

Push Button Units and Indicator Lights

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Push Button Units and Indicator Lights

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16 mm mounting diameter, molded-plastic



3SB2

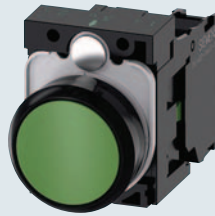
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Selection and ordering data

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- 3SB2 holders, lampholders and contact blocks 10/11
- 3SB29 inserts, legend plates, and accessories 10/13

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22 mm mounting diameter, plastic black



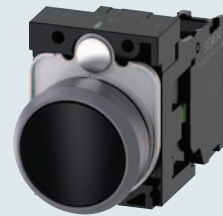
SIRIUS ACT – 3SU1

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22 mm mounting diameter, plastic with metal matte front ring



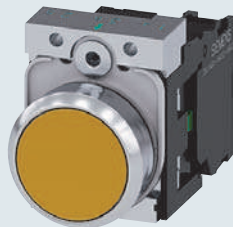
SIRIUS 3SB3, plastic round

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- Complete units 10/61
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22 mm mounting diameter, metal shiny



SIRIUS ACT – 3SU1

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Selection and ordering data

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30 mm mounting diameter, metal matte



SIRIUS ACT – 3SU1

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22mm enclosures and communication devices



SIRIUS ACT – 3SU1

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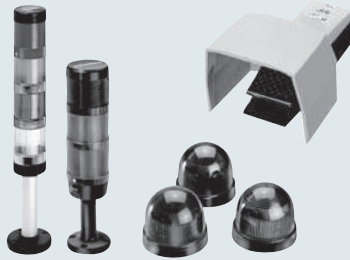
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Push Button Units and Indicator Lights

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SIRIUS signal columns, built-in signal beacons and foot switches



3SE2, 3SE3 Foot Switches Page

Selection and ordering data

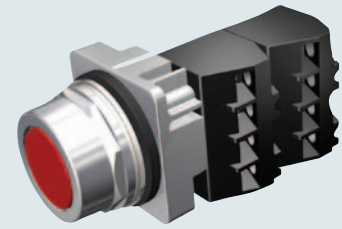
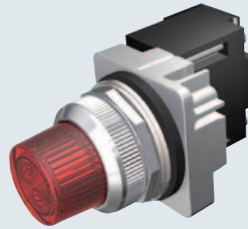
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- 8WD42 selection & accessories 10/171
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NEMA 30.5 mm mounting diameter, corrosion resistant, watertight & oiltight



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Selection and ordering data

- Momentary Push Button, Non-Illuminated 10/183-10/184
- 2 & 3 Position Push-Pull Mushroom Head Devices, Non-Illuminated 10/185-10/186
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Selection and ordering data

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30.5 mm heavy duty control stations, Type 4/4X/12/13 encl.



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Selection and ordering data

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3SB2, Mounting Diameter 16 mm

General data

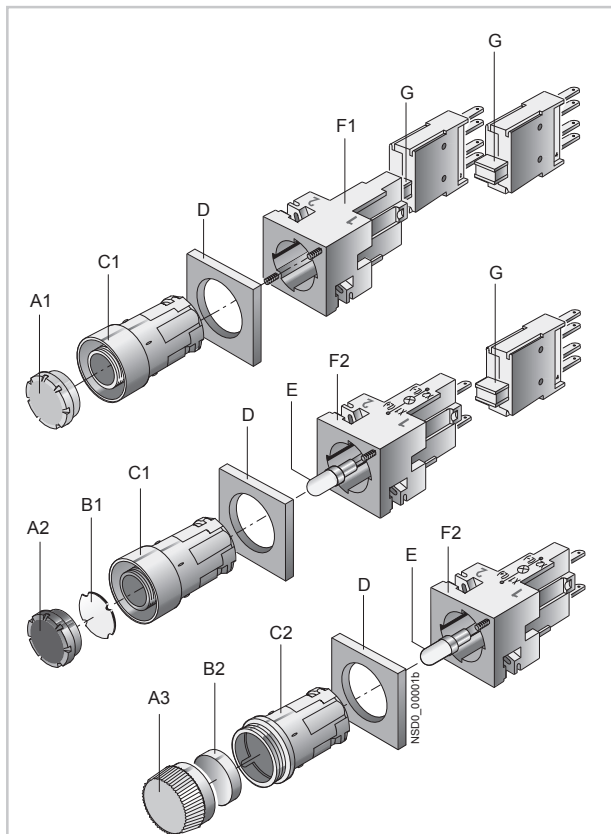
Overview

The 3SB2 push buttons and indicator lights are provided for front plate mounting and rear connection with flat connectors. For use on printed circuit boards, contact blocks and lamp holders with solder pins are also available.

Standards

IEC 60947-1, EN 60947-1,
IEC 60947-5-1, EN 60947-5-1,
IEC 60947-5-5, EN 60947-5-5 for EMERGENCY-STOP mushroom push buttons.

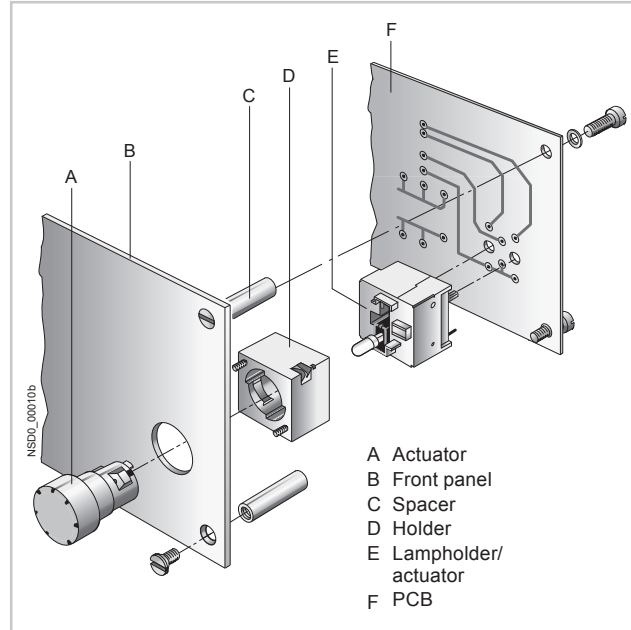
Version with flat connector



- A1 Button, flat
- A2 Illuminated button, flat
- A3 Screw lens for indicator light
- B1 Insert label, for labeling
- B2 Insert cap, for labeling
- C1 Collar with extruded front ring
- C2 Collar for indicator light
- D Frame for rectangular design
- E Wedge base lamp, W2 x 4.6d
- F1 Holders
- F2 Lampholder with holder
- G Contact blocks (1NO or 1NC) for snapping onto the holder or onto the lampholder



For PCB mounting

For use on printed circuit boards, special contact blocks and lamp holders for soldering into the printed circuit board are available. For this purpose, the contact blocks and lamp holders are fitted with 0.8 mm x 0.8 mm solder pins of length 3.5 mm.



- A Actuator
- B Front panel
- C Spacer
- D Holder
- E Lampholder/actuator
- F PCB

Connection methods

-  Flat connectors
-  Solder pin connections

The terminals are indicated in the corresponding tables by the symbols shown on blue backgrounds.


Application

The devices are climate-proof and suitable for marine applications.

Safety EMERGENCY-STOP push buttons according to ISO 13850

For controls according to IEC 60204-1 or EN 60204-1, the mushroom push buttons of the 3SB2 series are suitable for use as safety EMERGENCY-STOP push buttons.

Safety circuits

IEC 60947-5-1 and EN 60947-5-1 require positive opening, i.e. for the purposes of personal safety, the assured opening of NC contacts is expressly stipulated for the electrical equipment of machines in all safety circuits and marked according to IEC 60947-5-1 with the symbol .

Category 4 according to EN 954-1 can be attained with the EMERGENCY-STOP mushroom push buttons if the corresponding failsafe evaluation units are selected and correctly installed, e.g. the 3TK28 safety relays or matching units from the ASIsafe, SIMATIC or SINUMERIK product ranges.

3SB2, Mounting Diameter 16 mm

General data

Technical specifications

Type	3SB2	
Contact blocks and lamp holders		
Standards	IEC 60947-5-1, EN 60947-5-1 IEC 60947-5-5, EN 60947-5-5	
Rated insulation voltage U_i	V	250
Conventional thermal current I_{th}	A	10
Rated operational current I_e at rated operational voltage U_e		
<ul style="list-style-type: none"> • Alternating current AC-12 - At $U_e = 24 \dots 230$ V 	A	10
<ul style="list-style-type: none"> • Alternating current AC-15 - At $U_e = 24 \dots 230$ V 	A	4
<ul style="list-style-type: none"> • Direct current DC-12 - At $U_e = 24$ V - At $U_e = 60$ V - At $U_e = 110$ V - At $U_e = 230$ V 	A	6 5 2.5 1
<ul style="list-style-type: none"> • Direct current DC-13 - At $U_e = 24$ V - At $U_e = 60$ V - At $U_e = 110$ V - At $U_e = 230$ V 	A	3 1.5 0.7 0.3
Contact stability		
• Test voltage/test current	5 V/1 mA	
Lamps		
• Bases	Wedge base W2× 4.6 d	
• Rated voltage	V	6, 12, 24, 30, 48, 60
• Rated power, max.	W	1
Short-circuit protection weld-free according to IEC 60947-5-1		
• DIAZED fuse links, utilization category gG	10 A TDz, 16 A Dz	
• Miniature circuit breaker with C characteristic according to IEC 60898	10 A	
Electrical endurance		
• For utilization category AC-15 with 3RT10 15 to 3RT10 26 contactors	10 × 10 ⁶ operating cycles	
Mechanical endurance		
	10 × 10 ⁶ operating cycles	
Degree of protection acc. to IEC 60529		
• Connection of contact blocks and lamp holders behind the front panel	IP00	
• Contact chambers of the contact blocks behind the front panel	IP40	
Finger-safe according to IEC 61140 and BGV A3		
	With voltages > 50 V AC or 120 V DC, insulation sleeves must be fitted to the unassigned tab connections.	
Data according to UL and CSA		
Rated voltage		
• Contact blocks	V	250 AC
• Indicator light (lamp with wedge base W2× 4.6 d)	V	60; 1 W
Uninterrupted current	A	5
Switching capacity	B 300, R 300	
Actuators and indicators		
Mechanical endurance		
• Push Buttons	10 × 10 ⁶ operating cycles	
• Actuators, rotary or maintained	3 × 10 ⁵ operating cycles	
• Illuminated push buttons	3 × 10 ⁶ operating cycles	
Climatic withstand capability		
	Climate-proof; suitable for marine applications	
Ambient temperature		
• During operation, non-illuminated devices and complete with LED	°C	-25 ... +70
• During operation, devices with incandescent lamp	°C	-25 ... +60
• During storage, transport	°C	-40 ... +80
Degree of protection acc. to IEC 60529		
• Actuators and indicators	IP65	
• Actuators and indicators with protective cap	IP67	
Protective measures		
• For mounting in metal front plates and enclosures	The actuators and lens assemblies must not be included in the protective measures. The protective measure "Total insulation" is retained.	
• For fitting into enclosures with total insulation		
Shock resistance acc. to IEC 60068-2-27		
• Shock amplitude	ms	≤ 50 g
• Shock duration		11
• Shock form		Half-sine

More technical information [see Reference manual "Commanding and Signaling Devices"](#).

3SB2, Mounting Diameter 16 mm

General data

Configuration

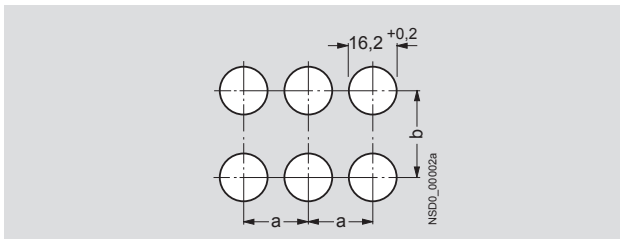
Design

Two design versions can be mounted:

- Round design: The 3SB2 push buttons and indicator lights are assembled with the modules – actuator, holder, contact block and lamp holder. Depending on the specific application, various versions can be assembled. Complete units are offered for the most commonly used applications.
- Square design: With square, black frames the round units can be given a square look. The frames are inserted underneath the round actuators. Further mounting is the same as for the round version.

Mounting and fixing:

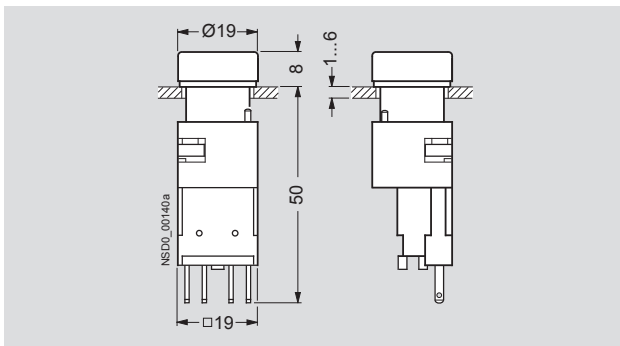
Mounting dimensions according to EN 50007 (not applicable to EMERGENCY-STOP mushroom push buttons)



Minimum clearance	a	b
Round version	19	19
Square version without inscription label	21	21
Round and square version with inscription label	21	32
For 2 selector switches with 3 switch positions, maintained, side by side	21	21

For mounting, the actuator or the lens assembly is inserted from the front into the hole in the front plate. Four small nubs ensure a secure fitting in the hole. The holder is plugged on from the back and snaps automatically into place. The module is fixed to the holder with 2 screws so that it is immune to vibrations.

One or two contact blocks can be mounted on the holder. They are inserted into the holder with slide slots and held down with two snap brackets.



Push button (flat) with holder and contact block

If a command point is fitted with an indicator light or illuminated push button, a lamp socket with lamp holder must be used instead of a holder. It is suitable for incandescent lamps or LEDs with bases of type W2 × 4.6d.

For PCB mounting

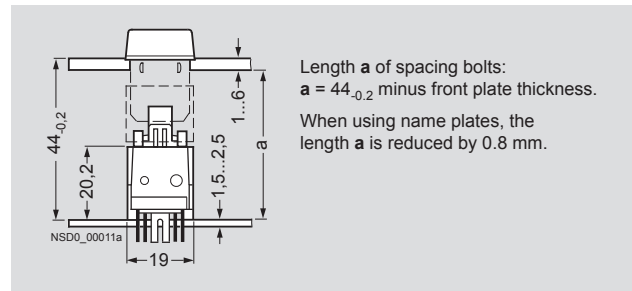
The command point comprises the actuator – e.g. 3SB2 push button, illuminated push button or indicator light –, which is mounted in the front plate, and a contact block and a lamp holder which are soldered to the PCB. For this purpose, the contact blocks and lamp holders are fitted with 0.8 mm × 0.8 mm solder pins of length 3.5 mm.

Mounting and fixing:

Mounting dimensions according to EN 50007.

The actuators are mounted in the same way as 3SB2 front plate mounting devices.

The contact blocks and lamp holders are plugged into the printed circuit board by means of their solder pins and can be flow-soldered. After soldering, the devices must be flush with the board and perpendicular to it. The printed circuit board must be supported on spacing bolts so that it cannot sag or bend more than 0.1 mm.

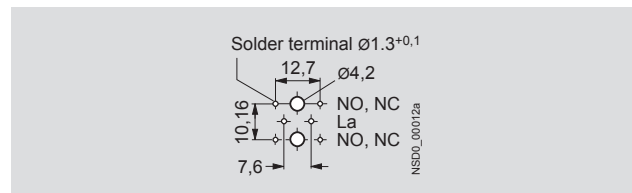


Illuminated push button with solder pin connection

To avoid bending the PCB when the control device is operated, sufficient spacing bolts must be provided as shown in the table below:

PCB thickness	Max. distance between spacing bolts
1.5 mm	80 mm
2.5 mm	150 mm
When using EMERGENCY-STOP push buttons	always 50 mm

These details are based on epoxy resin glass fiber mat.

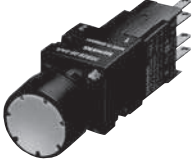
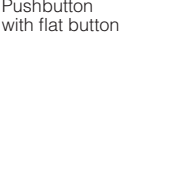



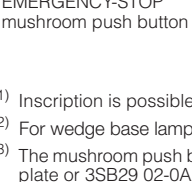
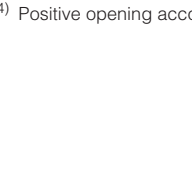



Solder pin spacing

3SB2, Mounting Diameter 16 mm

Complete units

Selection and ordering data

Version	Contact blocks	DT	Color of handle	Flat connectors	PS
				Order No.	
 <p>Pushbutton with flat button</p>	Push buttons with flat button 1 NO 1 NC 1 NC 1 NO 1 NO 1 NO 1 NO 1 NO 1 NO		Black	3SB22 02-0AB01	1 unit
			Black	3SB22 03-0AB01	1 unit
			Red	3SB22 03-0AC01	1 unit
			Yellow	3SB22 02-0AD01	1 unit
			Green	3SB22 02-0AE01	1 unit
			Blue	3SB22 02-0AF01	1 unit
			White	3SB22 02-0AG01	1 unit
			Clear ¹⁾	3SB22 02-0AH01	1 unit
 <p>Illuminated push buttons with flat button Lamp holder W2 x 4.6 d²⁾</p>	Illuminated push buttons with flat button 1 NC 1 NO 1 NO 1 NO 1 NO		Red	3SB22 07-0AC01	1 unit
			Yellow ¹⁾	3SB22 06-0AD01	1 unit
			Green	3SB22 06-0AE01	1 unit
			Blue	3SB22 06-0AF01	1 unit
			Clear ¹⁾	3SB22 06-0AH01	1 unit
 <p>Illuminated push buttons with flat button Lamp holder W2 x 4.6 d with incandescent lamp 24 V</p>	Illuminated push buttons with flat button 1 NC 1 NO 1 NO 1 NO 1 NO		Red	3SB22 27-0AC01	1 unit
			Yellow ¹⁾	3SB22 26-0AD01	1 unit
			Green	3SB22 26-0AE01	1 unit
			Blue	3SB22 26-0AF01	1 unit
			Clear ¹⁾	3SB22 26-0AH01	1 unit
 <p>Push buttons with raised button</p>	Push buttons with raised button 1 NO 1 NC 1 NO 1 NO 1 NO 1 NO		Black	3SB22 02-0LB01	1 unit
			Red	3SB22 03-0LC01	1 unit
			Yellow	3SB22 02-0LD01	1 unit
			Blue	3SB22 02-0LF01	1 unit
			Clear ¹⁾	3SB22 02-0LH01	1 unit
 <p>Illuminated push buttons with raised button Lamp holder W2 x 4.6 d²⁾</p>	Illuminated push buttons with raised button 1 NC 1 NO 1 NO 1 NO 1 NO		Red	3SB22 07-0LC01	1 unit
			Yellow ¹⁾	3SB22 06-0LD01	1 unit
			Green	3SB22 06-0LE01	1 unit
			Blue	3SB22 06-0LF01	1 unit
			Clear ¹⁾	3SB22 06-0LH01	1 unit
 <p>Illuminated push buttons with raised button Lamp holder W2 x 4.6 d with incandescent lamp 24 V</p>	Illuminated push buttons with raised button 1 NC 1 NO 1 NO 1 NO 1 NO		Red	3SB22 27-0LC01	1 unit
			Yellow ¹⁾	3SB22 26-0LD01	1 unit
			Green	3SB22 26-0LE01	1 unit
			Blue	3SB22 26-0LF01	1 unit
			Clear ¹⁾	3SB22 26-0LH01	1 unit
 <p>EMERGENCY-STOP mushroom push button</p>	EMERGENCY-STOP mushroom push buttons acc. to ISO 13850, maintained³⁾ Latches automatically when pressed; unlatches by turning the mushroom head anticlockwise, with yellow name plate, with inscription "NOT-HALT"	1 NC  ⁴⁾	Red	3SB22 03-1AC01	1 unit




1) Inscription is possible by inserting a label.
 2) For wedge base lamps see "Accessories", page 10/18.
 3) The mushroom push button cannot be combined with 3SB29 02-0AB name plate or 3SB29 02-0AA single frame.
 4) Positive opening according to IEC 60947-5-1, Appendix K.

3SB2, Mounting Diameter 16 mm

Complete units






Selector switch

Version	Contact blocks	Color of handle	DT	Flat connectors	PS
Order No.					
Selector switches, 2 switch positions Switching sequence O-I, 62° operating angle, maintained 	1 NO	Black		3SB22 02-2AB01 3SB22 02-2AC01 3SB22 02-2AE01 3SB22 02-2AG01	1 unit
	1 NO	Red			1 unit
	1 NO	Green			1 unit
	1 NO	White			1 unit
Selector switches, 3 switch positions Switching sequence I-O-II, 2 × 62° operating angle, maintained 	1 NO, 1 NO	Black		3SB22 10-2DB01 3SB22 10-2DC01 3SB22 10-2DE01 3SB22 10-2DG01	1 unit
	1 NO, 1 NO	Red			1 unit
	1 NO, 1 NO	Green			1 unit
	1 NO, 1 NO	White			1 unit
Selector switches, 3 switch positions Switching sequence I-O-II, 2 × 50° operating angle, momentary, Spring return from left and right 	1 NO, 1 NO	Black		3SB22 10-2EB01 3SB22 10-2EC01 3SB22 10-2EE01 3SB22 10-2EG01	1 unit
	1 NO, 1 NO	Red			1 unit
	1 NO, 1 NO	Green			1 unit
	1 NO, 1 NO	White			1 unit



CES key-operated switch

Version	Contact blocks	Lock No.	Key removal position	DT	Flat connectors	PS
Order No.						
CES key-operated switches, 2 switch positions Switching sequence O-I, 62° operating angle, maintained 	1 NO	SB2	O		3SB22 02-4LA01 3SB22 02-4LB01	1 unit
	1 NO	SB2	O + I			1 unit
CES key-operated switches, 3 switch positions Switching sequence I-O-II, 2 × 62° operating angle, maintained 	1 NO, 1 NO	SB2	O		3SB22 10-4PA01 3SB22 10-4PB01	1 unit
	1 NO, 1 NO	SB2	I + O + II			1 unit
CES key-operated switches, 3 switch positions Switching sequence I-O-II, 2 × 50° operating angle, momen- tary, Spring return from left and right 	1 NO, 1 NO	SB2	O		3SB22 10-4QA01	1 unit



Indicator light




Version	Color of screw lens	DT	Flat connectors	PS
Order No.				
Indicator lights Lamp holder W2 x 4.6 d without lamp ¹⁾	Red		3SB22 04-6BC06 3SB22 04-6BD06 3SB22 04-6BE06 3SB22 04-6BG06 3SB22 04-6BH06	1 unit
	Yellow			1 unit
	Green			1 unit
	White			1 unit
	Clear			1 unit
Indicator lights Lamp holder W2 x 4.6 d with incandescent lamp 24 V	Red		3SB22 24-6BC06 3SB22 24-6BD06 3SB22 24-6BE06 3SB22 24-6BG06 3SB22 24-6BH06	1 unit
	Yellow			1 unit
	Green			1 unit
	White			1 unit
	Clear			1 unit

¹⁾ For wedge base lamps see "Accessories", page 10/18.

3SB2, Mounting Diameter 16 mm

Actuators and indicators

Selection and ordering data








Version	Color of handle	DT	Order No.	PS		
Push buttons						
 Push button and illuminated push button with flat button	Push buttons with flat button	Black Red Yellow Green Blue White Clear ¹⁾	3SB20 00-0AB01 3SB20 00-0AC01 3SB20 00-0AD01 3SB20 00-0AE01 3SB20 00-0AF01 3SB20 00-0AG01 3SB20 00-0AH01	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit		
	Illuminated push buttons with flat button	Red Yellow ¹⁾ Green Blue White Clear ¹⁾	3SB20 01-0AC01 3SB20 01-0AD01 3SB20 01-0AE01 3SB20 01-0AF01 3SB20 00-0AG01 3SB20 00-0AH01	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit		
	 Push button and illuminated push button with raised button	Push buttons with raised button	Black Red Yellow Blue White Clear ¹⁾	3SB20 00-0LB01 3SB20 00-0LC01 3SB20 00-0LD01 3SB20 00-0LF01 3SB20 00-0LG01 3SB20 00-0LH01	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	
		Illuminated push buttons with raised button	Red Yellow ¹⁾ Green Blue Clear ¹⁾	3SB20 01-0LC01 3SB20 01-0LD01 3SB20 01-0LE01 3SB20 01-0LF01 3SB20 00-0LH01	1 unit 1 unit 1 unit 1 unit 1 unit	
		EMERGENCY-STOP mushroom push buttons acc. to ISO 13850, maintained²⁾ Latches automatically when pressed; unlatches by turning the mushroom head anticlockwise	Red		3SB20 00-1AC01	1 unit
		 EMERGENCY-STOP mushroom push button				

¹⁾ Inscription is possible by inserting a label.

²⁾ The mushroom push button cannot be combined with 3SB29 02-0AB name plate or 3SB29 02-0AA single frame.

Version	Color of handle	DT	Order No.	PS
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Selector switches

 Selector switch	Selector switches with 2 switch positions Switching sequence O-I, 62° operating angle, maintained		Black Red Green White	3SB20 00-2AB01 3SB20 00-2AC01 3SB20 00-2AE01 3SB20 00-2AG01	1 unit 1 unit 1 unit 1 unit
	Selector switches with 2 switch positions Switching sequence O-I, 50° operating angle, momentary, spring return from right		Black Red Green	3SB20 00-2BB01 3SB20 00-2BC01 3SB20 00-2BE01	1 unit 1 unit 1 unit
	Selector switches with 2 switch positions Switching sequence O-I, 90° operating angle, maintained		Black Red Green White	3SB20 00-2HB01 3SB20 00-2HC01 3SB20 00-2HE01 3SB20 00-2HG01	1 unit 1 unit 1 unit 1 unit
	Selector switches with 3 switch positions Switching sequence I-O-II, 2 x 62° operating angle, maintained		Black Red Green White	3SB20 00-2DB01 3SB20 00-2DC01 3SB20 00-2DE01 3SB20 00-2DG01	1 unit 1 unit 1 unit 1 unit
	Selector switches with 3 switch positions Switching sequence I-O-II, 2 x 50° operating angle, momentary, spring return from left and right		Black Red Green White	3SB20 00-2EB01 3SB20 00-2EC01 3SB20 00-2EE01 3SB20 00-2EG01	1 unit 1 unit 1 unit 1 unit
	Selector switches with 3 switch positions Switching sequence I-O-II, 2 x 90° operating angle, maintained		Black	3SB20 00-2JB01	1 unit

3SB2, Mounting Diameter 16 mm

Actuators and indicators

Key-operated switches



CES key-operated switch

Version	Lock No.	Key removal position	DT	Order No.	PS	
Key-operated switches	CES key-operated switches with 2 keys, 2 switch positions Switching sequence O-I, 62° operating angle, maintained		SB2	O+I O	3SB20 00-4LB01 3SB20 00-4LA01	1 unit 1 unit
	CES key-operated switches with 2 keys, 2 switch positions Switching sequence O-I, 50° operating angle, momentary, spring return from right		SB2	O	3SB20 00-4MA01	1 unit
	CES key-operated switches with 2 keys, 3 switch positions Switching sequence I-O-II, 2 x 62° operating angle, maintained		SB2	I+O+II O	3SB20 00-4PB01 3SB20 00-4PA01	1 unit 1 unit
	CES key-operated switches with 2 keys, 3 switch positions Switching sequence I-O-II, 2 x 50° operating angle, momentary, spring return from left and right		SB2	O	3SB20 00-4QA01	1 unit

Version	Color of screw lens	DT	Order No.	PS
Indicator lights	Indicator lights with concentric rings (inscription by inserting a cap is not possible)	Red	3SB20 01-6BC06	1 unit
		Yellow	3SB20 01-6BD06	1 unit
		Green	3SB20 01-6BE06	1 unit
		Blue	3SB20 01-6BF06	1 unit
		White	3SB20 01-6BG06	1 unit
		Clear	3SB20 01-6BH06	1 unit
	Indicator lights, smooth for inscription by inserting a cap ¹⁾	Red	3SB20 01-6CC06	1 unit
		Yellow	3SB20 01-6CD06	1 unit
		Green	3SB20 01-6CE06	1 unit
		Blue	3SB20 01-6CF06	1 unit
	Clear	3SB20 01-6CH06	1 unit	

¹⁾ Insert caps, see "Accessories", page 10/15






Indicator light

3SB2, Mounting Diameter 16 mm

Contact blocks and lampholders

Selection and ordering data

Version	Diagram	Operating travel  Contact closed  Contact open	DT	Flat connectors 	PS
				Order No.	

Contact blocks and lamp holders with flat connectors 2 x 2.8 – 0.8 mm according to IEC 60760

Holders for fixing the actuator and the contact blocks



Holder

Holders for 2 contact blocks
 Inscription with identification number 1-2

3SB29 08-0AA 5 units

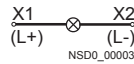
Lamp holders with holder for fixing the actuator and the contact blocks



Lamp holder

Lamp holders

W2 x 4.6 d
 without lamp

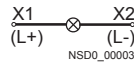


3SB23 04-2A 1 unit

Lamp holders

W2 x 4.6 d

- With 6 V incandescent lamp
- With 24 V incandescent lamp



3SB23 04-2F 1 unit

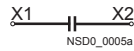
3SB23 04-2H 1 unit



Voltage reducer

Voltage reducers¹⁾

For connecting the 3SB29 08-1AE lamp (48 V) to 230 V AC



3SB24 04-3D 1 unit

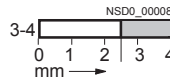
Contact blocks for fixing in the holder or lamp holder



Contact block

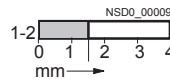
Contact blocks with one contact²⁾

1 NO



3SB24 04-0B 1 unit

1 NC ³⁾



3SB24 04-0C 1 unit


¹⁾ Use fixpoint terminal according to IEC 60439-1.

²⁾ For plug-in and insulation sleeves see "Accessories", page 10/19.

³⁾ Positive opening according to IEC 60947-5-1, Appendix K.

3SB2, Mounting Diameter 16 mm

Contact blocks and lamp holders

Version	Diagram	Operating travel <input type="checkbox"/> Contact closed <input type="checkbox"/> Contact open	DT	Solder pin connections 	PS
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Order No.

Contact blocks and lamp holders with solder pins



Holder

Holders for contact block with solder pins

For fixing the actuators in the front panel

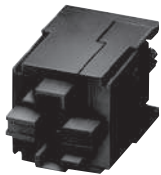
Lamp holders

Wedge base W2 x 4.6 d¹⁾



3SB29 08-0AB 5 units

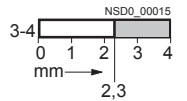
3SB24 55-2A 1 unit



Contact block with solder pins

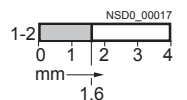
Contact blocks

1 NO



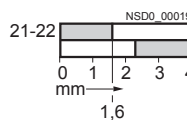
3SB24 55-0B 1 unit

1 NC



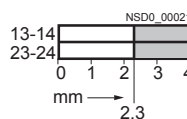
3SB24 55-0C 1 unit

1 NO + 1 NC



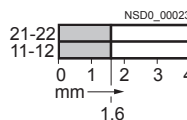
3SB24 55-0J 1 unit

1 NO + 1 NO



3SB24 55-0E 1 unit

1 NC + 1 NC



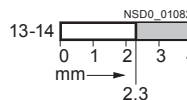
3SB24 55-0F 1 unit



Contact block and lamp holder with solder pins

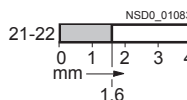
Contact blocks and lamp holders, wedge base W2 x 4.6 d¹⁾

1 NO



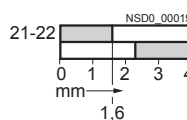
3SB24 55-1B 1 unit

1 NC



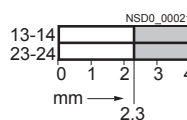
3SB24 55-1C 1 unit

1 NO + 1 NC



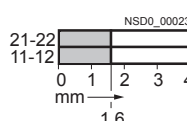
3SB24 55-1J 1 unit

1 NO + 1 NO



3SB24 55-1E 1 unit

1 NC + 1 NC



3SB24 55-1F 1 unit

¹⁾ The lamp is not included in the scope of supply.

3SB2, Mounting Diameter 16 mm

Insert labels and insert caps

Overview

Clear push buttons, illuminated push buttons and indicator lights can be fitted with insert labels and caps for identification purposes.

The insert labels and insert caps are made of a milky-transparent plastic with black lettering; they can be fitted in any 90° angle.

Inscriptions

The inscriptions have upper case initial letters. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417.

For customized inscriptions see "Options".


Selection and ordering data

Inscription/Symbol	Symbol No.	DT	Insert labels For push buttons and illuminated push buttons, flat Order No.	PS
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For self-inscription

	Blank		3SB29 01-4AA	10 units
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With inscription


























	On		3SB29 01-4EB	10 units
	Start		3SB29 01-4EK	10 units
	Stop		3SB29 01-4EL	10 units
	Reset		3SB29 01-4EM	10 units
	Test		3SB29 01-4EN	10 units
	0		3SB29 01-4RA	10 units
	1		3SB29 01-4RB	10 units
	2		3SB29 01-4RC	10 units
	3		3SB29 01-4RD	10 units
	4		3SB29 01-4RE	10 units
	5		3SB29 01-4RF	10 units
	6		3SB29 01-4RG	10 units
	7		3SB29 01-4RH	10 units
	8		3SB29 01-4RJ	10 units
	9		3SB29 01-4RK	10 units

Graphic ON/OFF symbols

	O (Off)		5008 IEC	3SB29 01-4MB	10 units
	I (On)		5007 IEC	3SB29 01-4MC	10 units
	II (On)		--	3SB29 01-4MD	10 units
















3SB2, Mounting Diameter 16 mm

Insert labels and insert caps

Inscription/Symbol	Symbol No.	DT	Insert labels For push buttons and illuminated push buttons, flat Order No.	PS
Graphic equipment symbols				
 Electric motor	 0011 ISO		3SB29 01-4PA	10 units
Horn	 5014 IEC		3SB29 01-4PB	10 units
Pump	 0134 ISO		3SB29 01-4PD	10 units
Coolant pump	 0355 ISO		3SB29 01-4PE	10 units
Graphic motion symbols				
 Motion in direction of arrow (straight)	 5022 IEC		3SB29 01-4NA	10 units
Motion in direction of arrow (diagonal)	 --		3SB29 01-4NB	10 units
Clockwise rotation	 0004 ISO		3SB29 01-4NC	10 units
Anticlockwise rotation	 --		3SB29 01-4ND	10 units
Fast motion	 0266 ISO		3SB29 01-4NE	10 units
Increase (plus)	 5005 IEC		3SB29 01-4NG	10 units
Decrease (minus)	 5006 IEC		3SB29 01-4MC	10 units
Graphic control symbols				
 Clamp	 --		3SB29 01-4QB	10 units
Release	 --		3SB29 01-4QC	10 units
Brake off	 0021 ISO		3SB29 01-4QE	10 units
Lock	 0022 ISO		3SB29 01-4QF	10 units
Unlock	 0023 ISO		3SB29 01-4QG	10 units
On/Off, momentary contact	 5011 IEC		3SB29 01-4QJ	10 units
Manual operation	 0096 ISO		3SB29 01-4QK	10 units
Automatic sequence	 0017 ISO		3SB29 01-4QL	10 units
Customized inscriptions				
 Any inscription 1 line of text with up to 6 characters of 3 mm in height. Please add the appropriate order code to the Order No. and specify the line of text required.			3SB29 01-4AZ K0Y K1Y or K2Y K5Y	1 unit 1 unit 1 unit
 Other graphic symbols Please add the order code " K3Y " to the Order No. and specify the serial number and the applied standard (ISO 7000 or IEC 60417).			3SB29 01-4AZ K3Y	1 unit
 Any inscription or symbol Please add the order code " K9Y " to the Order No. and specify the inscription or the symbol required.			3SB29 01-4AZ K9Y	1 unit







3SB2, Mounting Diameter 16 mm

Insert labels and insert caps

Inscription/Symbol	Symbol No.	DT	Insert caps For push buttons and illuminated push buttons, raised Order No.	PS
For self-inscription				
 Blank			3SB29 01-5AA	10 units
With inscription				
 On			3SB29 01-5EB	10 units
	0		3SB29 01-5RA	10 units
	1		3SB29 01-5RB	10 units
	2		3SB29 01-5RC	10 units
	3		3SB29 01-5RD	10 units
	4		3SB29 01-5RE	10 units
	5		3SB29 01-5RF	10 units
	6		3SB29 01-5RG	10 units
	7		3SB29 01-5RH	10 units
	8		3SB29 01-5RJ	10 units
	9		3SB29 01-5RK	10 units
Graphic ON/OFF symbols				
 O (Off)		 5008 IEC	3SB29 01-5MB	10 units
I (On)		 5007 IEC	3SB29 01-5MC	10 units
II (On)		 --	3SB29 01-5MD	10 units
Graphic motion symbols				
 Motion in direction of arrow		 5022 IEC	3SB29 01-5NA	10 units
Motion in direction of arrow		 --	3SB29 01-5NB	10 units
Increase (plus)		 5005 IEC	3SB29 01-5NG	10 units
Decrease (minus)		 5006 IEC	3SB29 01-5MC	10 units
Graphic control symbols				
 Clamp		 --	3SB29 01-5QB	10 units
Release		 --	3SB29 01-5QC	10 units
Customized inscriptions				
 Any inscription 1 line of text with up to 6 characters of 3 mm in height. Please add the appropriate order code to the Order No. and specify the line of text required.			3SB29 01-5AZ K0Y K1Y or K2Y K5Y	1 unit 1 unit 1 unit
Other graphic symbols Please add the order code " K3Y " to the Order No. and specify the serial number and the applied standard (ISO 7000 or IEC 60417).			3SB29 01-5AZ K3Y	1 unit
Any inscription or symbol Please add the order code " K9Y " to the Order No. and specify the inscription or the symbol required.			3SB29 01-5AZ K9Y	1 unit

3SB2, Mounting Diameter 16 mm

Insert labels and insert caps

Inscription/Symbol	Symbol No.	DT	Insert caps For indicator lights Order No.	PS
For self-inscription				
 Blank			3SB29 01-7AA	10 units
Graphic symbols				
 Pump		 0134 ISO	3SB29 01-7PD	10 units
 Manual operation		 0096 ISO	3SB29 01-7QK	10 units
Customized inscriptions				
	Any inscription 1 line of text with up to 6 characters of 3 mm in height. Please add the appropriate order code to the Order No. and specify the line of text required.		3SB29 01-7AZ K0Y K1Y or K2Y K5Y	1 unit 1 unit 1 unit
	Other graphic symbols Please add the order code " K3Y " to the Order No. and specify the serial number and the applied standard (ISO 7000 or IEC 60417).		3SB29 01-7AZ K3Y	1 unit
	Any inscription or symbol Please add the order code " K9Y " to the Order No. and specify the inscription or the symbol required.		3SB29 01-7AZ K9Y	1 unit

Options

Customized inscriptions

Labels and caps can be inscribed with text and symbols not listed in the ordering data. Append the following codes to the Order No.:

- Text line in upper/lower case, always upper case for beginning of line (e.g. "Lift"): **K0Y**
- Text line in upper case (e.g. "LIFT"): **K1Y**
- Text line in lower case (e.g. "lift"): **K2Y**
- Text line in upper/lower case, all words begin with upper case letters (e.g. "Lift"): **K5Y**
- Symbol with number according to ISO 7000 or IEC 60417: **K3Y**
- Any inscription or symbols according to order form supplement: **K9Y**

When ordering, specify the required inscription in plain text in addition to the order number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language.

One line with up to 6 characters with 3 mm letter height is possible for the inscription (see ordering example 1).

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417 (see ordering examples 2 and 3).

For special symbols (order code K9Y), a CAD drawing in DXF format can be submitted.

Ordering example 1

3SB29 01-4AZ
K1Y
Z = pump

Ordering example 2

3SB29 01-4AZ
K3Y
Z = 5008 IEC

Ordering example 3

3SB29 01-4AZ
K3Y
Z = 1118 ISO

3SB2, Mounting Diameter 16 mm

Name plates






Overview

The name plates consist of a black plastic label holder and an inscription label (silver with black print) for sticking in place.
Note mounting dimensions!

Inscriptions

The inscriptions (also special inscriptions) are lower case with upper case initial letters. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417.

Selection and ordering data

Inscription/Symbol	Symbol No.	DT	Order No.	PS	
Inscription labels, self-adhesive, 9.5 mm × 18.5 mm					
	Blank		3SB29 01-2AA	10 units	
	On		3SB29 01-2EB	10 units	
	Off		3SB29 01-2EC	10 units	
	Start		3SB29 01-2EL	10 units	
	Reset		3SB29 01-2EM	10 units	
	Fault		3SB29 01-2EW	10 units	
	Hand Auto		3SB29 01-2BA	10 units	
	Manual 0 Auto		3SB29 01-2BE	10 units	
	Man 0 Auto		3SB29 01-2ET	10 units	
Graphic symbols					
	O (Off)		5008 IEC	3SB29 01-2MB	1 unit
	I (On)		5007 IEC	3SB29 01-2MC	1 unit
	O I (horizontal)		--	3SB29 01-2MF	1 unit
	Motion in direction of arrow		5002 IEC	3SB29 01-2NA	1 unit
Customized inscriptions or symbols					
	(see Options)		3SB29 01-2XZ		
			K0Y	1 unit	
			K1Y, K2Y or K3Y	1 unit	
			K5Y	1 unit	
			K9Y	1 unit	
Label holders					
	Label holders for inscription labels		3SB29 02-0AB	1 unit	
	The label holders must not be used with the 3SB2...-1AC01 EMERGENCY-STOP mushroom push button.				

Options

Customized inscriptions

The labels can be inscribed with text and symbols not listed in the ordering data. Append the following codes to the Order No.:

- Text line(s) in upper/lower case, upper case always for beginning of line (e.g. "Lift off"): **K0Y**
- Text line(s) in upper case (e.g. "LIFT OFF"): **K1Y**
- Text line(s) in lower case (e.g. "lift off"): **K2Y**
- Text line(s) in upper/lower case, all words begin with upper case letters (e.g. "Lift Off"): **K5Y**
- Symbol with number according to ISO 7000 or IEC 60417: **K3Y**
- Any inscription or symbols according to order form supplement: **K9Y**

When ordering, specify the required inscription in plain text in addition to the order number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language.

Two lines of 11 characters are permitted with 4 mm letter height (1 line) or 3 mm (2-line).

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417 (see ordering example).

For special symbols (order code K9Y), a CAD drawing in DXF format can be submitted.












Ordering example

3SB29 01-2XZ
K3Y
Z = 1118 ISO

3SB2, Mounting Diameter 16 mm

Mounting parts and components

Selection and ordering data


Version	Lamp voltage	Color	DT	Order No.	PS
Buttons and lenses¹⁾					
 3SB29 10-0AF	Buttons, flat For push buttons	Black		3SB29 10-0AB	1 unit
		Red		3SB29 10-0AC	1 unit
		Yellow		3SB29 10-0AD	1 unit
		Green		3SB29 10-0AE	1 unit
		Blue		3SB29 10-0AF	1 unit
		White		3SB29 10-0AG	1 unit
		Clear		3SB29 10-0AH	1 unit
 3SB29 10-0CF	Buttons, flat For illuminated push buttons	Red		3SB29 10-0CC	1 unit
		Yellow		3SB29 10-0CD	1 unit
		Green		3SB29 10-0CE	1 unit
		Blue		3SB29 10-0CF	1 unit
		White		3SB29 10-0AG	1 unit
		Clear		3SB29 10-0AH	1 unit
 3SB29 10-0BD	Buttons, raised For push buttons	Black		3SB29 10-0BB	1 unit
		Red		3SB29 10-0BC	1 unit
		Yellow		3SB29 10-0BD	1 unit
		Clear		3SB29 10-0BH	1 unit
 3SB29 10-0DD	Buttons, raised For illuminated push buttons	Red		3SB29 10-0DC	1 unit
		Yellow		3SB29 10-0DD	1 unit
		Clear		3SB29 10-0BH	1 unit
 3SB29 10-1AD	Screw lenses With concentric rings	Red		3SB29 10-1AC	1 unit
		Yellow		3SB29 10-1AD	1 unit
		Green		3SB29 10-1AE	1 unit
		Blue		3SB29 10-1AF	1 unit
		White		3SB29 10-1AG	1 unit
		Clear		3SB29 10-1AH	1 unit
 3SB29 10-1BE	Screw lenses Smooth, for inscription with insert cap	Red		3SB29 10-1BC	1 unit
		Yellow		3SB29 10-1BD	1 unit
		Green		3SB29 10-1BE	1 unit
		Blue		3SB29 10-1BF	1 unit
		Clear		3SB29 10-1BH	1 unit
Key for actuators					
 3SB29 08-2AJ	Keys For CES key-operated switch, lock No. SB2			3SB29 08-2AJ	1 unit
Lamps, wedge bases²⁾					
 3SB29 08-1AE	Incandescent lamps Wedge base W2 x 4.6 d, 1.0 W	AC/DC	Clear	3SB29 08-1AA	1 unit
		6		3SB29 08-1AB	1 unit
		12		3SB29 08-1AC	1 unit
		24		3SB29 08-1AD	1 unit
		30		3SB29 08-1AE	1 unit
		48		3SB29 08-1AF	1 unit
 3SB39 01-1SB	LED lamps, super-bright Wedge base W2 x 4.6 d	24 AC/DC	Red	3SB39 01-1SB	1 unit
			Yellow	3SB39 01-1RB	1 unit
			Green	3SB39 01-1TB	1 unit
			White	3SB39 01-1UB	1 unit
			Blue	3SB29 08-1BD	1 unit
		 3SB29 08-1BD		28 AC/DC	Red
	Yellow			3SB39 01-1RE	1 unit
	Green			3SB39 01-1TE	1 unit
	White			3SB39 01-1UE	1 unit
	Blue			3SB39 01-1VE	1 unit
 3SB29 08-1AB	Lamp extractors For lamps with bases W2 x 4.6 d				

¹⁾ Included in the scope of supply of actuators or indicator lights.

²⁾ Included in the scope of supply of some complete units.

3SB2, Mounting Diameter 16 mm

Mounting parts and components

Version	DT	Order No.	PS
Accessories for command points			
	Single frames for square design ¹⁾	3SB29 02-0AA	1 unit
3SB29 02-0AA			
	Name plates, yellow, Ø 50 mm As backing plate for EMERGENCY-STOP, self-adhesive	3SB29 08-2AF 3SB29 08-2AG 3SB29 08-2AK	1 unit 1 unit 1 unit
3SB29 08-2AG	<ul style="list-style-type: none"> • Blank • With German inscription "NOT-HALT" • With German inscription "NOT-AUS" 		
	Blanking plugs Black plastic (degree of protection IP65)	3SB29 08-3AA	1 unit
3SB29 08-3AA			
	Protective caps, clear Silicone, for push buttons with flat and raised button	3SB29 08-3AB	1 unit
3SB29 08-1			
Flat connectors			
	Plug-in sleeves For flat connectors 2.8 × 0.8 mm, cross-section 0.5 ... 1.5 mm ²	3SB29 08-8AA	1unit
3SB29 08-8AA			
	Insulation sleeves For flat connectors, connection from the front	3SB29 08-8AB	1 unit
3SB29 08-8AB			
	Complete connectors²⁾ For connecting contact blocks and lamp holders (up to 10 connections). Guaranteed finger-safe acc. to IEC 61140 and BGV A3.	3SB29 08-8AD	1 unit
3SB29 08-8AD			
	Plug-in sleeves For flat connectors 2.8 × 0.8 mm, with locating spring for maintained in complete connector	3SB29 08-8AE	250 units
3SB29 08-8AE			
Tools			
	Dismantling tools For holders and lamp holders with holder	3SB29 08-2AA	1 unit
3SB29 08-2AA			
	Mounting tools For buttons and screw lenses	3SB29 08-2AC	1 unit
3SB29 08-2AC			

¹⁾ Not suitable for EMERGENCY-STOP mushroom push buttons.

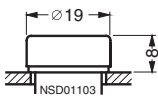
²⁾ Required 3SB29 08-8AE plug-in sleeves for flat connectors 2.8 × 0.8 mm are not included in the scope of supply.

3SB2, Mounting Diameter 16 mm

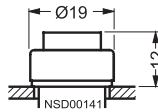
Dimension drawings (mm)

Actuators

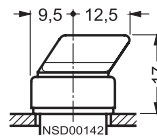
Pushbutton or illuminated pushbutton with flat button



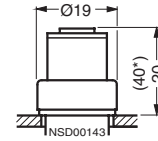
Pushbutton or illuminated pushbutton with raised button



Selector switch

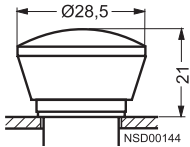


CES key-operated switch

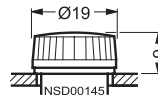


* with key

EMERGENCY-STOP mushroom pushbutton

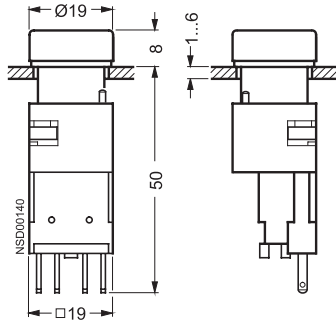


Indicator light



Contact blocks with push-on connection

Pushbutton and contact block with holder for frontplate mounting

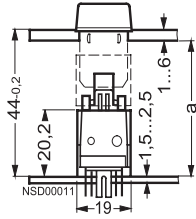


3SB2, Mounting Diameter 16 mm

Dimension drawings (mm)

Contact blocks with soldering pins for use on printed circuit boards

Illuminated pushbutton unit
with contact block and lamp-
holder with solder pins



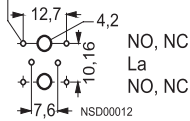
Length **a** of spacers: $a = 44^{-0.2}$
minus front plate thickness.
When using backing plates, the length **a** is
reduced by 0.8 mm.
To avoid bending of the PCB when the actuator is
operated, sufficient spacers must be provided
spaced as shown in the table below:

Maximum PCB thickness	Max. distance between spacers
1.5 mm	80 mm
2.5 mm	150 mm
When using EMERGENCY-STOP actuators	generally 50 mm

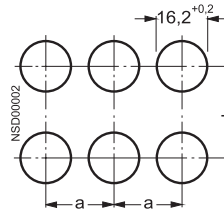
(These details are based on epoxy resin glass fibre mat.)

Solder pin spacing

Solder terminal $\varnothing 1.3^{+0.1}$



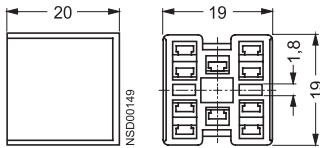
Mounting dimensions



Minimum clearance	a	b
Round design	19	19
Square design without inscription plate	21	21
Round and square designs with inscription plates	21	32
For 2 selector switches and 3 switching positions, maintained contact, side by side	21	21

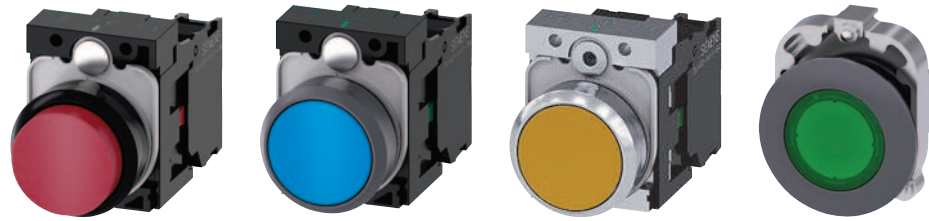
Accessories

Complete connector



SIRUS ACT 3SU Series

Overview



	3SU1.0	3SU1.3	3SU1.5	3SU1.6
Pushbuttons and indicator lights				
Designs				
Nominal diameter	22 mm	22 mm	22 mm	30 mm
Version	Plastic	Plastic with metal front ring, matte	Metal, shiny	Metal, matte, flat
Actuators				
Pushbuttons	✓	✓	✓	✓
Illuminated pushbuttons	✓	✓	✓	✓
Mushroom pushbuttons	✓	✓	✓	--
EMERGENCY STOP mushroom pushbuttons	✓	✓	✓	--
Selector switches	✓	✓	✓	✓
Key-operated switches	✓	✓	✓	✓
Special actuators				
Twin pushbuttons	✓	✓	✓	--
Coordinate switches	✓	✓	✓	--
Toggle switches	✓	✓	✓	--
Sensor switches	✓	✓	--	--
ID key-operated switches	✓	✓	--	--
Pushbuttons with extended stroke	✓	✓	✓	--
Potentiometers	✓	✓	✓	--
Indicators				
Indicator lights	✓	✓	✓	✓
Acoustic signaling devices	✓	✓	✓	--
Contact modules				
Single-pole	✓	✓	✓	✓
Two-pole	✓	✓	✓	✓
LED modules				
With integrated LED	✓	✓	✓	✓
Connections				
Screw terminals	✓	✓	✓	✓
Spring-type terminals	✓	✓	✓	✓
Solder pins	✓	✓	✓	✓
AS-Interface	✓	✓	✓	✓
IO-Link	✓	✓	✓	✓

- ✓ Standard
- Not available

Note:

Safety characteristics (see Appendix on page 10/164).

SIRIUS ACT 3SU Series

Overview



	3SU18	3SU18
	Enclosures	Two-hand operation consoles
Enclosures		
Plastic	✓	✓
Metal	✓	✓
Actuators		
Pushbuttons	✓	✓
Illuminated pushbuttons	✓	✓
Mushroom pushbuttons	✓	✓
EMERGENCY STOP mushroom pushbuttons	✓	✓
Selector switches	✓	✓
Key-operated switches	✓	✓
Indicators		
Indicator lights	✓	☐
Acoustic signaling devices	✓	☐
Contact modules		
Single-pole	✓	✓
Two-pole	--	✓
Connections		
Screw terminals	✓	✓
Spring-type terminals	✓	☐
Plug-in connection	☐	☐
AS-Interface	✓	☐

- ✓ Standard
- Not available
- ☐ Optional

AS-Interface solutions

Pushbuttons and indicator lights of the SIRIUS ACT series can be connected to the AS-Interface communication system quickly and easily with the help of various solutions.

AS-Interface EMERGENCY STOP according to ISO 13850

Using special modules, EMERGENCY STOP devices according to ISO 13850 can be directly connected through the standard AS-Interface with safety-related communication ([see page 10/118](#)).

AS-Interface enclosures

Enclosures with standard fittings are listed in this catalog. For customized enclosures, use the SIRIUS ACT Configurator to select the elements for equipping ([see page 10/128](#)).

PROFINET solutions

SIRIUS ACT devices will be equipped in future with a direct communication interface to PROFINET and PROFIsafe.

RFID authentication solutions

Groups of employees or individuals can be authenticated by means of the ID key-operated switch. Color-coded keys for easy distinction between users and flexible in application thanks to four function stages.

SIRIUS ACT 3SU Series

General data

Overview



SIRIUS ACT pushbuttons and indicator lights

SIRIUS ACT – commanding and signaling

SIRIUS ACT is a modular system of pushbuttons and indicator lights for front plate mounting and rear-mounted electrical modules. Thanks to SIRIUS ACT with PROFINET,

Extensive portfolio

- Customized variants, e.g. special tumbler arrangements, labeling, equipped enclosures
- Communication-enabled thanks to direct interfacing to AS-Interface, IO-Link or PROFINET

Diverse possible applications

- National and international approvals
- Many trade approvals
- Short delivery times thanks to global availability

Standards

- IEC/EN 60947-1
- IEC/EN 60947-5-1
- IEC/EN 60947-5-5 for EMERGENCY STOP devices

More information

Homepage, see www.siemens.com/sirius-act
 Industry Mall, see www.siemens.com/product?3SU1
 Configurator, see www.siemens.com/sirius-act/configurator
 Conversion tool, see www.siemens.com/sirius/conversion-tool
 Manual, see <https://support.industry.siemens.com/cs/ww/en/view/107542462>
 TIA Portal, see www.siemens.com/TIA

pushbuttons and indicator lights can be connected directly via PROFINET to the controller and HMI devices – including with safety functions. Engineering and commissioning are simplified no end by the TIA Portal.

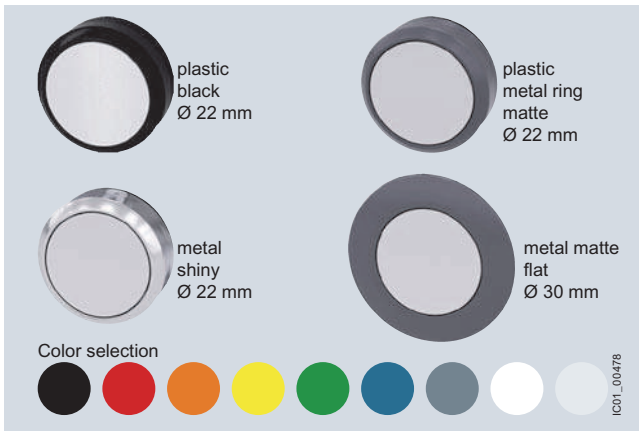
Configurator



- Fast, simple selection by intuitive navigation through clearly-organized menus using drag & drop
- Image preview of selected components
- Inscription of pushbuttons and labeling plates using the interactive inscription tool
- Once created, a configuration can be ordered as often as required using the customer-specific article number and the CIN (Configuration Identification Number)
- Everything at a glance: Product data sheets, certificates, dimensional drawings, list prices, inscription tool

Benefits

Design



SIRIUS ACT is available in four design lines.

Ruggedness



- Degree of protection IP66, IP67, IP69 (IP69K)

IP66

6 = Protection against the ingress of dust

6 = Protection against powerful splash-water

IP67

6 = Protection against the ingress of dust

7 = Protection against temporary immersion

IP69 (IP69K)

6 = Protection against the ingress of dust

9/9K = Protection against water in high-pressure cleaning (approx. 80 bar) and high water jet temperatures (approx. 80 °C)

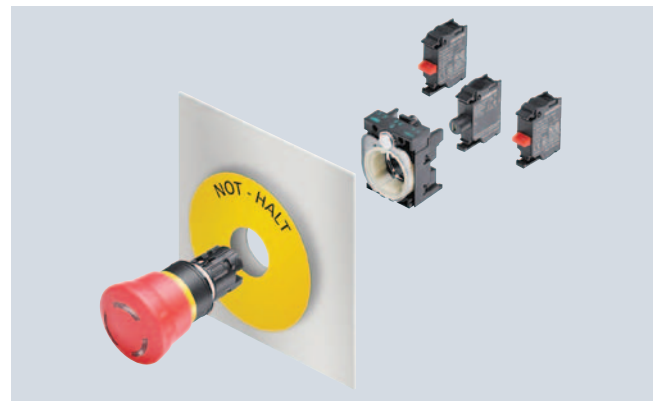
- Service life of 100 000 hours thanks to use of LEDs
- Media resistance (chemicals) thanks to solid stainless steel and high-grade plastics
- Mechanical endurance of 10×10^6 switching cycles
- Suitable for use in extreme environments
- Reliable, friction-locked fixing with just one screw
- Design stability according to use
- Simple geometry for mounting holes

Communication



- Direct connection of the enclosure to AS-Interface or IO-Link
- Direct connection in the control cabinet to PROFINET, IO-Link or AS-Interface
- Can be integrated easily via the TIA Portal

Easy handling

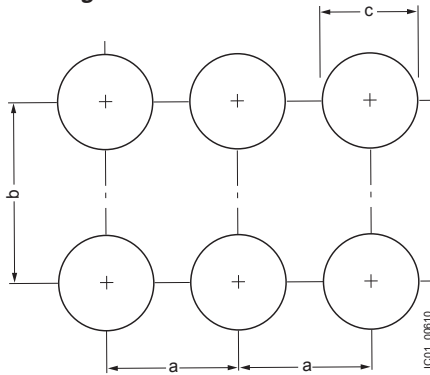


- Self-holding function of the actuator when mounting
- Twist prevention integrated into patented holder design
- Stackable contact modules
- Self-explanatory and fast installation using one hand
- Components can be mounted with holder removed
- No special tools required, simple size 2 screwdriver (cross-tip DIN ISO 87641PZD1, flat-head DIN ISO 2380-1 A/B 1x4.5) is sufficient

SIRIUS ACT 3SU Series

General data

Mounting dimensions



	Minimum clearance		
	a	b	c
	mm	mm	mm
22 mm, plastic with metal front ring, matte			
3-slot holder	30	40	22.3 ^{+0.4}
4-slot holder	40	40	22.3 ^{+0.4}
30 mm, metal, matte			
3-slot holder	40	45	30.5 ^{+0.5}

Versions

SIRIUS ACT is a modular system of pushbuttons and indicator lights with which customized variants can be configured flexibly.

One command point comprises:

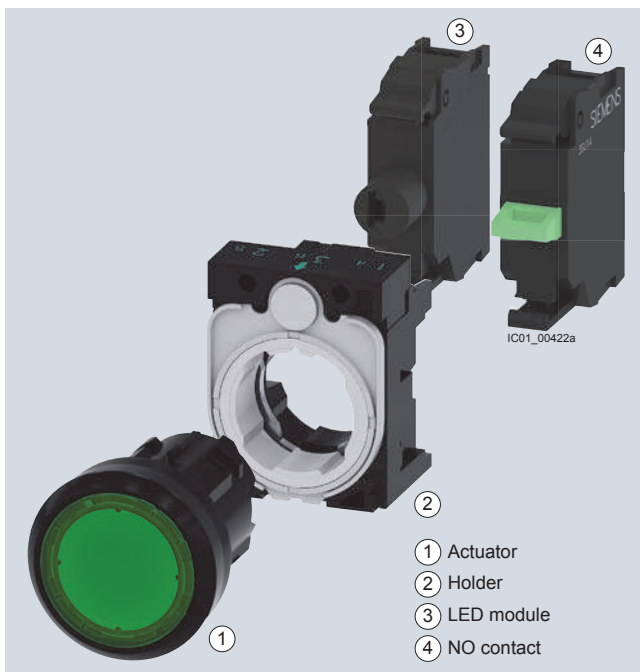
- An actuating or signaling element in front of the control panel
- A holder for securing behind the control panel
- Up to six contact modules and/or one LED module (mounted onto the holder), single-pole contacts can be stacked
- A comprehensive range of accessories for inscription/markings

Complete units

Complete units made up of an actuating or signaling element, holder and contact modules and/or LED modules are offered for the most frequent application cases. The electrical parts are integrated and only have to be wired.

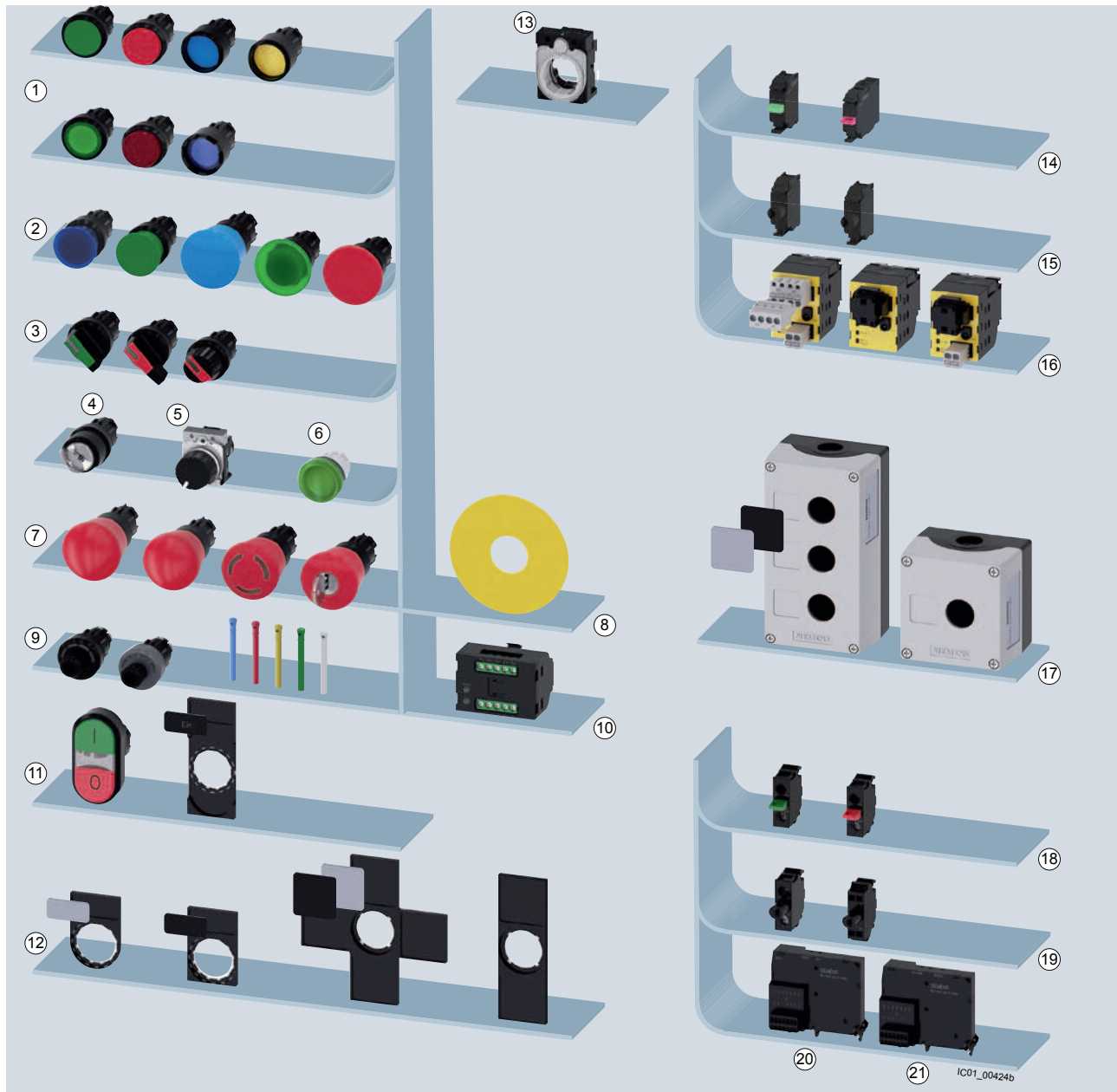
Compact units

Signaling devices, sensor switches, and pushbuttons with extended stroke are available as compact units. The electronic circuitry is already integrated in these devices, i.e. it is not necessary to snap on a contact or LED module.



Complete units	Pages	Compact units	Pages
Plastic, black	10/39	Plastic, black	10/46
Plastic with metal front ring, matte	10/61	Plastic with metal front ring, matte	10/68
Metal, shiny	10/82	Metal, shiny	10/90

Actuating and signaling elements



Actuating and signaling elements	Pages	Modules for front plate mounting	Pages
① Pushbuttons, illuminated pushbuttons	10/39	⑭ Contact modules	10/112
② Mushroom pushbuttons	10/41	⑮ LED modules	10/116
③ Selector switches	10/42	⑯ AS-Interface modules	10/118
④⑤⑥ Key-operated switches, potentiometers, indicator lights	10/43	Enclosures	Pages
⑦⑧ EMERGENCY STOP mushroom pushbuttons, backing plates	10/41	⑰ Enclosures	10/122
⑨⑩ ID key-operated switches, ID keys, electronic modules	10/59	Modules for base mounting	Pages
⑪ Twin pushbuttons, label holders, labeling plates	10/51	⑱ Contact modules	10/131
⑫ Label holders, labeling plates	10/136	⑲ LED modules	10/131
Holders and labels	Pages	⑳ IO-Link modules	10/134
⑬ Holders	10/136	㉑ AS-Interface modules	10/134

System overview of SIRIUS ACT pushbuttons and indicator lights from the plastic design line. Pushbuttons and indicator lights available in 4 design lines.

SIRIUS ACT DIGITALIZATION @ YOUR FINGERTIPS

General data

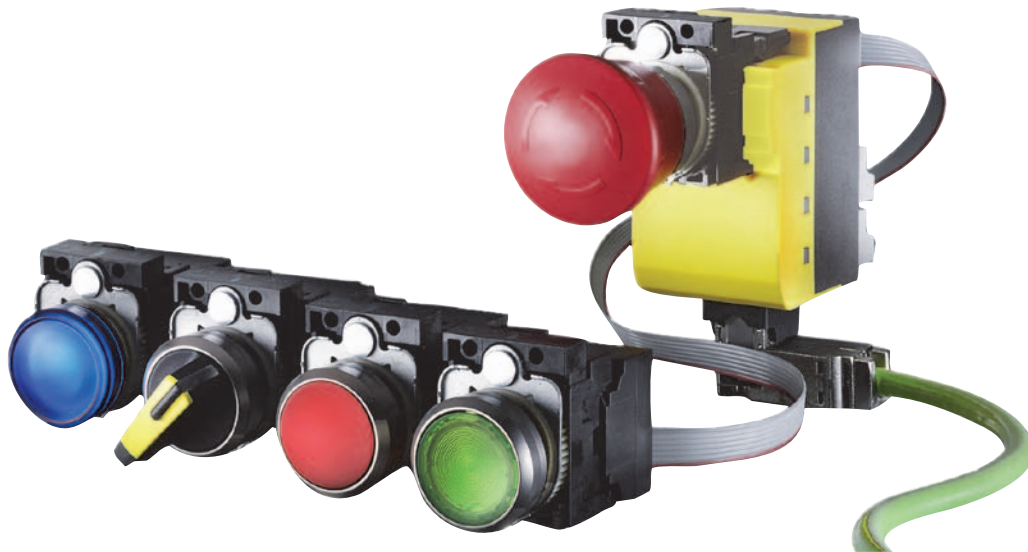
SIRIUS ACT with PROFINET

SIRIUS ACT with PROFINET connects pushbuttons and indicator lights directly via PROFINET to the controller and HMI devices – including with safety functions.

With this solution designed for the control panel, up to 21 SIRIUS ACT devices can be connected to the controller via PROFINET. Integration of the EMERGENCY STOP mushroom pushbutton (SIL 3, PL e) is possible via PROFIsafe. Non SIRIUS ACT devices, e.g. position switches, can additionally be connected via the open, digital/analog interfaces (DI, DQ, AI).

The system is entirely integrated into TIA Portal and does not require any further addressing apart from the IP address for PROFINET.

Quick and easy installation with flat cables without special tools saves significantly on wiring outlay.



Interface modules/fail-safe interface modules			
	<p>Interface module for PROFINET, 24 V DC 1 to 20 terminal modules can be connected</p>	<p>3SU1400-1L□0-□AA1</p>	<p>See page 10/121</p>
Terminal modules			
	<p>Terminal modules with 2 contacts Terminal modules with 2 contacts and integrated LED Terminal modules with integrated LED</p>	<p>3SU1401-1MA□0-1□A1 3SU1401-1MC□0-1□A1 3SU1401-1ME□0-1□A1</p>	<p>See page 10/121</p>
Accessories			
	<p>Memory module For backing up the complete parameterization of the 3SK2 safety system without a PC/PG through the system interface</p> <p>LED modules for mounting on printed-circuit boards</p> <p>Flat ribbon cable 7 cores, length 5 m 7 cores, length 10 m</p>	<p>3RK3931-0AA00</p> <p>3SU1401-3BA□0-5AA0</p> <p>3SU1900-0KQ80-0AA0 3SU1900-0KP80-0AA0</p>	<p>See page 10/121</p> <p>See page 10/117</p> <p>See page 10/163</p>

SIRUS ACT 3SU Series

General data

ID key-operated switches

Groups of employees or individuals can be authenticated by means of the ID key-operated switch. The ID key-operated switch is electronic and has four switch positions that are selected by keys with different codes. Using the four ID keys with different codes, it is possible to select 1 to 4 positions. The ID keys are color-coded (yellow, blue, red, green, white) so that they can be clearly differentiated at a glance and used flexibly thanks to four function levels.

RFID authentication solutions

Groups of employees or individuals can be authenticated by means of the ID key-operated switch. Color-coded keys for easy distinction between users.

Different versions of ID key-operated switches are available depending on the following features:

- Front ring material
- Conventional variant: 1 + 4 non-isolated outputs
- Variant with IO-Link: Option of individual coding

Operation:

Insert ID key, turn key to select the position. Standard keys can also be used in conjunction with the electronic module for ID key-operated switches with IO-Link function. The white ID key is supplied without coding.

Note: ID Key Switches requires the use of a plastic holder only! Purchase 3SU1500-0AA10-0AA0 Holder Separately.



3SU1000-4WS10-0AA0
Plastic, black



3SU1500-0AA10-0AA0
Holder, plastic



3SU1030-4WS10-0AA0
Plastic with metal front ring, matte



3SU1500-0AA10-0AA0
Holder, plastic

ID key-operated switches		
Number of switching positions	4	4
Operating angle	45°	45°
Operating principle	Latching	Latching
Switch position for key removal	Key removal possible in all 4 positions	Key removal possible in all 4 positions
Color	Black	Black
Pages	10/59	10/80



3SU1400-1GC10-1AA0



3SU1400-1GD10-1AA0

Electronic modules for ID key-operated switches		
Type of power supply	--	via IO-Link master
Protocol is supported IO-Link protocol	--	IO-Link protocol
Number of NO contacts	5	5
IO-Link transfer rate	--	COM2 (38.4 kBaud)
Pages	10/120	10/120



3SU1900-0FU60-0AA0

ID keys ID group individual



3SU1900-0FV40-0AA0
3SU1900-0FW30-0AA0
3SU1900-0FX20-0AA0
3SU1900-0FY50-0AA0

ID keys

ID keys		
Material	Plastic	Plastic
Version of RFID coding	Individually coded, programmable several times	ID group 1 ID group 2 ID group 3 ID group 4
Color	White	Green Yellow Red Blue
Pages	10/159	10/159

SIRIUS ACT 3SU Series

General data

Article No. scheme

Device types



3SU10	3SU11	3SU12	3SU14	3SU15	3SU18	3SU19
Device types						
Actuating and signaling elements	Complete units	Compact units	Modules for actuators and indicators	Holders with module	Enclosures	Accessories

Actuating and signaling elements

Product versions		Article number														
SIRIUS ACT pushbuttons and indicator lights		3SU1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Device type	Actuating and signaling elements	0														
Material (front ring)	Plastic, black	0														
	Metal, matte (front ring)/plastic, black (rosette, holder)	3														
	Metal, matte (front ring)/metal (rosette, holder)	4														
	Metal, shiny	5														
	Metal, matte	6														
Illumination	Non-illuminated	0														
	Illuminated/transparent	1														
	Illuminated/non-illuminated	2														
Type of actuator/indicator	Pushbutton	0														
	Mushroom pushbutton/EMERGENCY STOP mushroom pushbutton/sensor switch	1														
	Selector switch	2														
	Twin pushbutton, toggle switch	3														
	Key-operated switch	4/5														
	Indicator light/acoustic signaling device	6														
	Coordinate switch	7														
Design of the actuator/ acoustic signaling device	e.g. A = Flat							<input type="checkbox"/>								
Function	e.g. B = Momentary contact								<input type="checkbox"/>							
Color/key removal position	e.g. 10 = Black, 20 = Red									<input type="checkbox"/>	<input type="checkbox"/>					
Connection type	None											0				
Module/holder equipment	e.g. A = Without module, without holder Y = Without module, with holder												<input type="checkbox"/>			
Marking	e.g. A = None, C = "I", D = "O", R = "R"													<input type="checkbox"/>		
Ambient condition	Standard															0
	ATEX Zone 21-22: Protection from dust															1
	ATEX Zone 1-2: Intrinsic safety															2
Example		3SU1	0	0	0	-	0	A	B	1	0	-	0	A	A	0

Note:

The Article No. scheme shows an overview of product versions for better understanding of the logic behind the article numbers.

For your orders, please use the article numbers quoted in the selection and ordering data.

SIRIUS ACT 3SU Series

General data

Complete units

Product versions		Article number																		
SIRIUS ACT pushbuttons and indicator lights		3	S	U	1															
Device type	Complete units	1																		
Material (front ring)	Plastic, black	0																		
	Metal, matte (front ring)/plastic, black (rosette, holder)	3																		
	Metal, shiny	5																		
	Metal, matte	6																		
Illumination	Non-illuminated	0																		
	Illuminated (with/without LED, various voltages)	1																		
		8																		
Type of actuator/indicator	Pushbutton	0																		
	Mushroom pushbutton/EMERGENCY STOP mushroom pushbutton/sensor switch	1																		
	Selector switch	2																		
	Twin pushbutton, toggle switch	3																		
	Key-operated switch	4/5																		
	Indicator light/acoustic signaling device	6																		
	Coordinate switch	7																		
Design of the actuator/ acoustic signaling device	e.g. A = Flat																			
Function	e.g. B = Momentary contact																			
Color/key removal position	e.g. 10 = Black, 20 = Red																			
Connection type	Screw terminals																			
	Spring-type terminals																			
Module/holder equipment including contact material	e.g.																			
	A = Without module, with holder																			
	B = 1 NO contact with holder																			
	C = 1 NC contact with holder																			
Marking	e.g. A = None, C = "I", D = "O", R = "R"																			
Ambient condition	Standard																			
	ATEX Zone 21-22: Protection from dust																			
	ATEX Zone 1-2: Intrinsic safety																			
Example		3	S	U	1	0	0	-	0	A	B	1	0	-	1	B	A	0		

Compact units

Product versions		Article number																		
SIRIUS ACT pushbuttons and indicator lights		3	S	U	1															
Device type	Compact units	2																		
Material (front ring)	Plastic, black	0																		
	Metal, matte (front ring)/plastic, black (rosette, holder)	3																		
	Metal, shiny	5																		
	Metal, matte	6																		
Illumination	Non-illuminated	0																		
	Illuminated/non-illuminated	1																		
Type of actuator/indicator	Pushbutton	0																		
	Sensor switch	1																		
	Potentiometers	2																		
	Indicator light/acoustic signaling device	6																		
Design of the actuator/ acoustic signaling device	e.g. A = Flat																			
Function (voltage/resistance)	e.g. B = 24 V AC/DC																			
Color	e.g. 10 = Black, 20 = Red																			
Connection type	None																			
	Screw terminals																			
	M12 connection, 4-pin																			
	Spring-type terminals																			
Module/holder equipment including contact material	e.g.																			
	A = Without module, without holder																			
	B = 1 NO contact with holder																			
	C = 1 NC contact with holder																			
Marking	e.g. A = None																			
Ambient condition	Standard																			
	ATEX Zone 21-22: Protection from dust																			
	ATEX Zone 1-2: Intrinsic safety																			
Example		3	S	U	1	2	0	1	-	6	A	B	1	0	-	1	A	A	0	

Note:

The Article No. schemes show an overview of product versions for better understanding of the logic behind the article numbers.

For your orders, please use the article numbers quoted in the selection and ordering data.

SIRIUS ACT 3SU Series

General data

Modules for actuators and indicators

Product versions		Article number														
SIRIUS ACT pushbuttons and indicator lights		3SU1														
Device type	Modules for actuators and indicators	4														
Material (front ring)	Plastic, black	0														
Illumination	Non-illuminated	0														
	Illuminated	1														
Fastening method	Front plate mounting		1													
	Base mounting		2													
	Printed circuit board		3													
Module type	Contact module															
	LED module															
	LED test module															
	Support terminal															
	AS-Interface module															
	Electronic module for ID key-operated switches															
	Interface modules for PROFINET															
	Terminal modules															
Function/voltage	e.g. B = 24 V AC/DC															
Color	e.g. 10 = Black, 20 = Red															
Connection type	Screw terminals											1				
	Screw terminals + insulation piercing method											2				
	Spring-type terminals											3				
	Spring-type terminals + insulation piercing method											4				
	Socket terminals											5				
Module equipment including contact material	e.g.															
	A = None															
	B = 1 NO contact, silver															
	C = 1 NC contact, silver															
Marking	None												A			
Ambient condition	Standard												0			
	ATEX Zone 21-22: Protection from dust												1			
	ATEX Zone 1-2: Intrinsic safety												2			
Example		3SU1	4	0	0	-	1	A	A	1	0	-	1	B	A	0

Holders

Product versions		Article number														
SIRIUS ACT pushbuttons and indicator lights		3SU1														
Device type	Holder	5														
Material (front ring)	Plastic, black	0														
	Metal, shiny	5														
Illumination	Non-illuminated	0														
	Illuminated	1														
Fastening method	Without															
	Front plate mounting		0													
Holder type	3x A															
	4x B															
Function/voltage	Without															
	6 ... 24 V AC/DC															
Color	e.g. 10 = Black, 20 = Red															
Connection type	None												1			
	Screw terminals												2			
Module equipment including contact material and slot	e.g.															
	A = None															
	B = 1 NO contact, silver															
	C = 1 NC contact, silver															
Marking	None													A		
Ambient condition	Standard													0		
	ATEX Zone 21-22: Protection from dust													1		
	ATEX Zone 1-2: Intrinsic safety													2		
Example		3SU1	5	0	0	-	0	A	A	1	0	-	0	A	A	0

Note:

The Article No. schemes show an overview of product versions for better understanding of the logic behind the article numbers. For your orders, please use the article numbers quoted in the selection and ordering data.

SIRIUS ACT 3SU Series

General Data

Enclosures

Product versions		Article number														
SIRIUS ACT pushbuttons and indicator lights		3SU1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
Device type	Enclosures	8														
Material (enclosure/front ring)	Plastic, black plastic	0														
	Metal, shiny metal	5														
Number of command points	Command point	1														
	... Command points	... 6														
Type of enclosure	Surface-mounting	0														
	4-position selector switch and coordinate switch	1														
	Palm pushbutton	2														
	Two-hand operation console	3														
Command point	e.g. command point, inscription, module		<input type="checkbox"/>	<input type="checkbox"/>												
Communication capability	Without						0									
	AS-i						1									
Ambient condition	Standard							0								
	ATEX Zone 21-22: Protection from dust							1								
	ATEX Zone 1-2: Intrinsic safety							2								
Mounting/connection of modules	None								0							
	Front plate mounting, screw terminals								1							
	Base mounting, screw terminals								2							
	Front mounting, spring-type terminals								3							
	Base mounting, spring-type terminals								4							
Cable exit from enclosure	None									A						
	Direct entry of AS-i flat cable at top/on right									G						
	AS-i insulation piercing method at top/on right									H						
Design of enclosure top	Center command point										A					
	With recess for labeling plate										B					
	With protective collar										C					
	4 additional holes (two-hand operation console)										D					
	8 additional premachined breaking points (two-hand operation console)										E					
Color of enclosure top	Gray										1					
	Yellow										2					
Example		3SU1	8	0	1	-	0	A	A	0	0	-	0	A	A	2

Accessories

Product versions		Article number														
SIRIUS ACT pushbuttons and indicator lights		3SU1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
Device type	Accessories	9														
Material	Plastic, black	0														
	Metal/plastic	3														
	Metal, shiny	5														
	Metal, matte	6														
Illumination	Non-illuminated	0														
	Illuminated	1														
Type of accessory (labels, protection, actuator, enclosure)	e.g. 0AB = Insert label						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
Color	e.g. 10 = Black, 20 = Red							<input type="checkbox"/>	<input type="checkbox"/>							
Marking	e.g. 0AA = None									<input type="checkbox"/>	<input type="checkbox"/>					
	0AB = ON										<input type="checkbox"/>					
	0AT = EMERGENCY STOP															
Ambient condition	Standard										0					
	ATEX Zone 21-22: Protection from dust										1					
	ATEX Zone 1-2: Intrinsic safety										2					
Example		3SU1	9	0	0	-	0	A	B	2	0	-	0	A	B	0

Note:

The Article No. schemes show an overview of product versions for better understanding of the logic behind the article numbers.

For your orders, please use the article numbers quoted in the selection and ordering data.

Application

Environmental conditions

The pushbuttons and indicator lights are climate-proof (KTW 24) and suitable for standard industrial applications and operation in marine applications.

Simple electrical equipment

Non-illuminated actuators, contact modules, enclosures and special accessories can be classified as simple electrical equipment according to IEC 60079-11. This means that they may be used in intrinsically safe circuits in potentially explosive atmospheres. An overview of the devices and atmospheres can be found in Confirmation No. 3287.01.

Safety EMERGENCY STOP pushbuttons according to ISO 13850

For controls according to IEC/EN 60204-1, the SIRIUS ACT mushroom pushbuttons are suitable for use as safety EMERGENCY STOP pushbuttons.

Safety circuits

The IEC/EN 60947-5-1 standard requires positive opening. This means that for the purpose of personal safety, the reliable opening of NC contacts in all safety circuits is expressly prescribed for the electrical equipment of machines and is designated according to IEC 60947-5-1 with the symbol (⊖).

Category 4 according to EN ISO 13849-1 can be attained with the EMERGENCY STOP mushroom pushbuttons if the corresponding fail-safe evaluation units are selected and correctly installed, e.g. the 3SK11 safety relays or the 3RK3 Modular Safety System ([see page 11/1 onwards](#)) or matching units from the ASIsafe, SIMATIC or SINUMERIK product ranges.

The SIRIUS ACT pushbuttons and indicator lights can be connected to the AS-Interface communication system quickly and safely.

The following solutions are available:

- AS-Interface modules
- AS-Interface module in safety-related version for EMERGENCY STOP mushroom pushbutton
- Ready-fitted AS-Interface enclosures with 1 to 6 command points

IO-Link

The SIRIUS ACT pushbuttons and indicator lights can be connected to IO-Link quickly and safely. The connection is made via a special IO-Link module.

SIRUS ACT 3SU Series

General Data

Technical specifications

More information

Industry Mall, see www.siemens.com/product?3SU1

Configurator, see www.siemens.com/sirius-act/configurator

Conversion tool, see www.siemens.com/sirius/conversion-tool

Manual, see <https://support.industry.siemens.com/cs/ww/en/view/107542462>

Type	3SU1..0-AA 3SU1..0-JA	3SU1..1-AA 3SU1..1-JA	3SU1..0-AB 3SU1..0-BB 3SU1..0-CB 3SU1..0-DB 3SU1..0-JB	3SU1..1-AB 3SU1..1-BB 3SU1..1-JB
Product version	Pushbuttons			
Operating principle of the actuating element	Latching		Momentary contact	
Optional expansion of product by light source	No	Yes	No	Yes
Mechanical endurance (operating cycles) typical	500 000		10 000 000	3 000 000
Switching frequency maximum	1/h	1 800	3 600	
Shock resistance according to IEC 60068-2-27	Half-sine wave 50 g / 11 ms			
Vibration resistance according to IEC 60068-2-6	10 ... 500 Hz: 5 g			
Degree of protection	IP66, IP67, IP69 (IP69K)			
Environmental category during operation According to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with a relative air humidity of 10 ... 95%)			
Ambient temperature				
• During operation	°C	-25 ... +70		
• During storage	°C	-40 ... +80		

Type	3SU1.00-AA 3SU1.00-BA 3SU1.00-CA 3SU1.30-AA 3SU1.30-BA 3SU1.50-AA 3SU1.50-BA 3SU1.50-CA	3SU1.50-EA	3SU1.01-AA 3SU1.01-BA 3SU1.51-AA 3SU1.51-BA 3SU1.51-CA	3SU1.00-AD 3SU1.00-BD 3SU1.00-CD 3SU1.30-AD 3SU1.30-BD 3SU1.50-AD 3SU1.50-BD 3SU1.50-CD	3SU1.50-ED	3SU1.01-AD 3SU1.01-BD 3SU1.31-AD 3SU1.31-BD
Product version	Mushroom pushbuttons					
Operating principle of the actuating element	Latching			Momentary contact		
Optional expansion of product by light source	No		Yes	No		Yes
Mechanical endurance (operating cycles) typical	500 000	300 000	500 000	10 000 000	300 000	3 000 000
Switching frequency maximum	1/h	1 800		3 600	1 800	3 600
Shock resistance according to IEC 60068-2-27	Half-sine wave 50 g / 11 ms					
Vibration resistance according to IEC 60068-2-6	10 ... 500 Hz: 5 g					
Degree of protection	IP66, IP67, IP69 (IP69K)	IP65, IP67, IP69 (IP69K)	IP66, IP67, IP69 (IP69K)		IP65, IP67, IP69 (IP69K)	IP66, IP67, IP69 (IP69K)
Environmental category during operation According to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with a relative air humidity of 10 ... 95%)					
Ambient temperature						
• During operation	°C	-25 ... +70				
• During storage	°C	-40 ... +80				

SIRUS ACT 3SU Series




General data

Type	3SU1...-J 3SU1...-H 3SU1...-G
Product version	EMERGENCY STOP mushroom pushbuttons
Mechanical endurance (operating cycles)	300 000
Switching frequency maximum	1/h 600
Shock resistance according to IEC 60068-2-27	Half-sine wave 50 g / 11 ms
Vibration resistance according to IEC 60068-2-6	10 ... 500 Hz: 5 g
Degree of protection	IP66, IP67, IP69 (IP69K)
Environmental category during operation According to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with a relative air humidity of 10 ... 95%)
Ambient temperature	
• During operation	°C -25 ... +70
• During storage	°C -40 ... +80

Type	3SU1.5.-2A 3SU1.5.-2B 3SU1.5.-2C 3SU1.5.-2D 3SU1.5.-2E	3SU1.0.-2A 3SU1.0.-2B 3SU1.0.-2C 3SU1.3.-2A 3SU1.3.-2B 3SU1.3.-2C	3SU1.0.-3E 3SU1.3.-3E 3SU1.5.-3E	3SU1.0.-4B 3SU1.0.-4C 3SU1.0.-4D 3SU1.0.-4F 3SU1.0.-4G 3SU1.0.-4H 3SU1.0.-4J 3SU1.0.-4L 3SU1.0.-5B 3SU1.0.-5H 3SU1.0.-5P 3SU1.0.-5Q 3SU1.0.-5R 3SU1.0.-5S 3SU1.0.-5T 3SU1.0.-5X	3SU1...-4B 3SU1...-4C 3SU1...-4D 3SU1...-4F 3SU1...-4G 3SU1...-4H 3SU1...-4J 3SU1...-4L 3SU1...-5B 3SU1...-5H 3SU1...-5K 3SU1...-5L 3SU1...-5P 3SU1...-5Q 3SU1...-5R 3SU1...-5S 3SU1...-5T 3SU1...-5X	3SU1.0.-7A 3SU1.0.-7B 3SU1.3.-7A 3SU1.3.-7B 3SU1.5.-7A 3SU1.5.-7B
Product version	Selector switches		Toggle switches	Key-operated switches		Coordinate switches
Mechanical endurance (operating cycles)	300 000	1 000 000		300 000	250 000	
Switching frequency maximum	1/h 1 800				3 600	
Shock resistance according to IEC 60068-2-27	Half-sine wave 50 g / 11 ms					
Vibration resistance according to IEC 60068-2-6	10 ... 500 Hz: 5 g					
Degree of protection	IP66, IP67, IP69 (IP69K)		IP66, IP67, IP69K	IP66, IP67, IP69 (IP69K)		IP65, IP67
Ambient temperature						
• During operation	°C -25 ... +70					
• During storage	°C -40 ... +80					




SIRUS ACT 3SU Series

General data

Type		3SU1400- .AA10-1.A0	3SU1400- 1AA10-1GA0, 3SU1400- 1AA10-1RA0	3SU1400- 1AA10-1HA0	3SU1400- .AA10-3.A0	3SU1400- 1AA10-3HA0	3SU1400- 3AA10-5.A0
Product version		Contact modules					
Rated insulation voltage	V	500					
Pollution degree		3					
Impulse withstand voltage, rated value	kV	6					
Operational voltage type		AC/DC					
Operational voltage, rated value							
• At AC at 50 Hz	V	5 ... 500					
• At DC	V	5 ... 500					
Thermal current	A	10					
Operational current, rated value							
• At AC-12							
- At 24 V	A	10					
- At 230 V	A	8					
• At AC-15							
- At 24 V	A	6					
- At 230 V	A	6					
- At 400 V	A	3					
- At 500 V	A	1.4					
• At DC-12							
- At 24 V	A	10					
- At 48 V	A	5					
- At 110 V	A	2.5					
- At 230 V	A	1					
- At 400 V	A	0.3					
- At 500 V	A	0.3					
• At DC-13							
- At 24 V	A	3					
- At 48 V	A	1.5					
- At 110 V	A	0.7					
- At 230 V	A	0.3					
- At 400 V	A	0.1					
- At 500 V	A	0.1					
Contact reliability		One contact failure per 100 million switching operations (17 V, 5 mA), one contact failure per 10 million switching operations (5 V, 1 mA)					
Mechanical endurance (operating cycles) typical		10 000 000					
Switching frequency maximum	1/s	3 600					
Fuse link version required for short-circuit protection of the auxiliary switch with type of coordination 1		gG / Dz 10 A, quick-response / Dz 10 A					
Continuous current of miniature circuit breaker C characteristic	A	10					
Vibration resistance according to IEC 60068-2-6		10 ... 500 Hz: 5 g					
Shock resistance according to IEC 60068-2-27		Half-sine wave 50 g / 11 ms					
Climate class during operation according to IEC 60721		3M6, 3S2, 3B2, 3C3, 3K6 (with a relative air humidity of 10 ... 95%, no condensation permitted in operation)					
Ambient temperature							
• During operation	°C	-25 ... +70					
• During storage	°C	-40 ... +80					
Degree of protection							
• Of enclosure		IP40					
• Of the terminal		IP20					
Type of electrical connection		Screw terminals 		Spring-type terminals 		Socket terminals (THT) 	
Type of connectable conductor cross-sections							
• Solid with end sleeve	mm ²	2 x (0.5 ... 0.75)		--		--	
• Solid without end sleeve	mm ²	2 x (1.0 ... 1.5)		2 x (0.25 ... 1.5)		--	
• Finely stranded with end sleeve	mm ²	2 x (0.5 ... 1.5)		2 x (0.25 ... 0.75)		--	
• Finely stranded without end sleeve	mm ²	2 x (1.0 ... 1.5)		2 x (0.25 ... 1.5)		--	
• For AWG cables		2 x (18 ... 14)		2 x (24 ... 16)		--	
Tightening torque for screw terminals	Nm	0.8 ... 0.9		--		--	

SIRUS ACT 3SU Series

General data

Type	3SU1401-.....-1	3SU1401-.....-3	3SU1401-.....-5
Product version	LED module		
Light source integrated in product	Yes		
Type of light source	LED		
Rated insulation voltage	V	320	
Pollution degree	3		
Impulse withstand voltage, rated value	kV	4	
Relative positive tolerance of the operational voltage	%	20	
Relative negative tolerance of the operational voltage	%	20	
Operating time typical	h	100 000	
Vibration resistance according to IEC 60068-2-6	10 ... 500 Hz: 5 g		
Shock resistance according to IEC 60068-2-27	Half-sine wave 50 g / 11 ms		
Environmental category during operation According to IEC 60721	3M6, 3S2, 3B2, 3K6 (with a relative air humidity of 10 ... 95%, no condensation permitted in operation)		
Ambient temperature			
• During operation	°C	-25 ... +70	
• During storage	°C	-40 ... +80	
Degree of protection of the terminal	IP20		
Type of electrical connection	Screw terminals  Spring-type terminals  Socket terminals (THT) 		

Type	3SU1400-1LK10-1AA1	3SU1400-1LK10-3AA1	3SU1400-1LL10-1BA1	3SU1400-1LL10-3BA1
Product designation	Interface module		Fail-safe interface module	
Operational voltage type	DC			
Supply voltage at DC rated value	V	24		
Current consumed, maximum	mA	150		
Product function at the interface 1 PROFINET IO-Device	Yes			
Type of interface Fast Ethernet interface	Yes			
Type of interface 1 RJ45 (Ethernet) interface	Yes			
Number of ports at the interface 1	1			
Number of modules per rack, maximum	20			
Number of digital outputs	0		1	
Number of digital inputs	0		4	
Software version required for STEP 7 in the TIA Portal	Integrated in the TIA Portal, version 14 SP1 or higher (HSP for V13 and V14)			
SIL response limit (subsystem) according to IEC 62061	--		SIL CL 3	
Performance level (PL) according to EN ISO 13849-1	--		e	
Ambient temperature				
• During operation	°C	60 ... -25		
• During storage	°C	80 ... -40		
Degree of protection	IP20			
Connectable conductor cross-section				
• Solid				
- With end sleeves	mm ²	0.2 ... 2.5		
• Finely stranded				
- With end sleeves	mm ²	0.25 ... 2.5		
- Without end sleeves	mm ²	0.2 ... 2.5		

3SU1 22 mm, Round, Plastic, Black — Complete Units

Pushbuttons

Selection and ordering data

Supply voltage for light source at		Color	Number of			SD	Screw terminals	PU (UNIT, SET, M)	PS*
AC	DC		Contact modules	NO contacts	NC contacts				
V	V					Article No.	Price per PU		

Pushbuttons



3SU1100-0AB40-1BA0

Pushbuttons with flat button, momentary contact

13	--	Black	1	1	0	▶	3SU1100-0AB10-1BA0	1	1 unit
			0	0	1	▶	3SU1100-0AB10-1CA0	1	1 unit
			1	1	1	▶	3SU1100-0AB10-1FA0	1	1 unit
Red	1	0	1	1	0	▶	3SU1100-0AB20-1BA0	1	1 unit
			0	0	1	▶	3SU1100-0AB20-1CA0	1	1 unit
			1	1	1	▶	3SU1100-0AB20-1FA0	1	1 unit
Yellow	1	1	1	1	0	3	3SU1100-0AB30-1BA0	1	1 unit
			1	1	1	3	3SU1100-0AB30-1FA0	1	1 unit
Green	1	1	0	1	0	▶	3SU1100-0AB40-1BA0	1	1 unit
			1	1	1	▶	3SU1100-0AB40-1FA0	1	1 unit
Blue	1	1	0	1	0	▶	3SU1100-0AB50-1BA0	1	1 unit
			1	1	1	3	3SU1100-0AB50-1FA0	1	1 unit
White	1	1	0	1	0	▶	3SU1100-0AB60-1BA0	1	1 unit
			1	1	1	3	3SU1100-0AB60-1FA0	1	1 unit
Clear	1	1	0	1	0	5	3SU1100-0AB70-1BA0	1	1 unit
			1	1	1	5	3SU1100-0AB70-1FA0	1	1 unit
Gray	1	1	1	1	5	3SU1100-0AB80-1FA0	1	1 unit	



3SU1100-0BB20-1CA0

Pushbuttons with raised button, momentary contact

--	--	Black	1	0	1	5	3SU1100-0BB10-1CA0	1	1 unit
			1	1	1	5	3SU1100-0BB10-1FA0	1	1 unit
Red	1	0	1	0	1	5	3SU1100-0BB20-1CA0	1	1 unit
			1	1	1	5	3SU1100-0BB20-1FA0	1	1 unit
Blue	1	1	0	5	3SU1100-0BB50-1BA0	1	1 unit		



3SU1102-0AB40-1BA0

Illuminated pushbuttons with flat button, momentary contact with integrated LED

24	24	Red	1	1	0	5	3SU1102-0AB20-1BA0	1	1 unit
			0	1	▶	3SU1102-0AB20-1CA0	1	1 unit	
			1	1	1	▶	3SU1102-0AB20-1FA0	1	1 unit
Yellow	1	1	0	1	0	▶	3SU1102-0AB30-1BA0	1	1 unit
			1	1	1	3	3SU1102-0AB30-1FA0	1	1 unit
Green	1	1	0	1	0	▶	3SU1102-0AB40-1BA0	1	1 unit
			1	1	1	▶	3SU1102-0AB40-1FA0	1	1 unit
Blue	1	1	0	1	0	▶	3SU1102-0AB50-1BA0	1	1 unit
			1	1	1	3	3SU1102-0AB50-1FA0	1	1 unit
White	1	1	0	1	0	▶	3SU1102-0AB60-1BA0	1	1 unit
			1	1	1	▶	3SU1102-0AB60-1FA0	1	1 unit
Clear	1	1	0	1	0	▶	3SU1102-0AB70-1BA0	1	1 unit
			1	1	1	3	3SU1102-0AB70-1FA0	1	1 unit
110	--	Red	1	0	1	5	3SU1103-0AB20-1CA0	1	1 unit
			1	1	1	3	3SU1103-0AB20-1FA0	1	1 unit
Yellow	1	1	0	1	0	5	3SU1103-0AB30-1BA0	1	1 unit
			1	1	1	5	3SU1103-0AB30-1FA0	1	1 unit
Green	1	1	0	1	0	3	3SU1103-0AB40-1BA0	1	1 unit
			1	1	1	3	3SU1103-0AB40-1FA0	1	1 unit
Blue	1	1	0	1	0	5	3SU1103-0AB50-1BA0	1	1 unit
			1	1	1	5	3SU1103-0AB50-1FA0	1	1 unit
White	1	1	0	1	0	5	3SU1103-0AB60-1BA0	1	1 unit
			1	1	1	5	3SU1103-0AB60-1FA0	1	1 unit
Clear	1	1	0	1	0	5	3SU1103-0AB70-1BA0	1	1 unit
			1	1	1	5	3SU1103-0AB70-1FA0	1	1 unit



3SU1103-0AB20-1CA0

3SU1 22 mm, Round, Plastic, Black — Complete Units

Pushbuttons

Supply voltage for light source		Color	Number of			SD	Screw terminals	PU (UNIT, SET, M)	PS*
at AC	at DC		Contact modules	NO contacts	NC contacts				
V	V				d	Article No.	Price per PU		

Pushbuttons

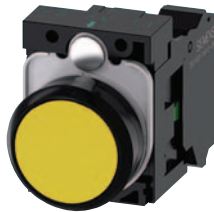


3SU1106-0AB40-1BA0

Illuminated pushbuttons with flat button, momentary contact with integrated LED

230	--	Red	1	0	1	5	3SU1106-0AB20-1CA0	1	1 unit
			1	1	1	3	3SU1106-0AB20-1FA0	1	1 unit
		Yellow	1	1	0	5	3SU1106-0AB30-1BA0	1	1 unit
			1	1	1	5	3SU1106-0AB30-1FA0	1	1 unit
		Green	1	1	0	3	3SU1106-0AB40-1BA0	1	1 unit
			1	1	1	3	3SU1106-0AB40-1FA0	1	1 unit
		Blue	1	1	0	5	3SU1106-0AB50-1BA0	1	1 unit
			1	1	1	5	3SU1106-0AB50-1FA0	1	1 unit
		White	1	1	0	5	3SU1106-0AB60-1BA0	1	1 unit
			1	1	1	5	3SU1106-0AB60-1FA0	1	1 unit
		Clear	1	1	0	5	3SU1106-0AB70-1BA0	1	1 unit
			1	1	1	5	3SU1106-0AB70-1FA0	1	1 unit

Spring-type terminals



3SU1100-0AB30-3BA0

Pushbuttons with flat button, momentary contact

--	--	Black	1	1	0	3	3SU1100-0AB10-3BA0	1	1 unit
			1	0	1	5	3SU1100-0AB10-3CA0	1	1 unit
			1	1	1	5	3SU1100-0AB10-3FA0	1	1 unit
		Red	1	0	1	5	3SU1100-0AB20-3CA0	1	1 unit
			1	1	1	5	3SU1100-0AB20-3FA0	1	1 unit
		Yellow	1	1	0	5	3SU1100-0AB30-3BA0	1	1 unit
			1	1	1	5	3SU1100-0AB30-3FA0	1	1 unit
		Green	1	1	0	5	3SU1100-0AB40-3BA0	1	1 unit
			1	1	1	5	3SU1100-0AB40-3FA0	1	1 unit
		Blue	1	1	0	5	3SU1100-0AB50-3BA0	1	1 unit
			1	1	1	5	3SU1100-0AB50-3FA0	1	1 unit
		White	1	1	0	5	3SU1100-0AB60-3BA0	1	1 unit
			1	1	1	5	3SU1100-0AB60-3FA0	1	1 unit



3SU1102-0AB20-3CA0


Illuminated pushbuttons with flat button, momentary contact with integrated LED

24	24	Red	1	0	1	5	3SU1102-0AB20-3CA0	1	1 unit
			1	1	1	5	3SU1102-0AB20-3FA0	1	1 unit
		Yellow	1	1	0	5	3SU1102-0AB30-3BA0	1	1 unit
			1	1	1	5	3SU1102-0AB30-3FA0	1	1 unit
		Green	1	1	0	3	3SU1102-0AB40-3BA0	1	1 unit
			1	1	1	5	3SU1102-0AB40-3FA0	1	1 unit
		Blue	1	1	0	5	3SU1102-0AB50-3BA0	1	1 unit
			1	1	1	5	3SU1102-0AB50-3FA0	1	1 unit
		White	1	1	0	3	3SU1102-0AB60-3BA0	1	1 unit
			1	1	1	5	3SU1102-0AB60-3FA0	1	1 unit
		Clear	1	1	0	5	3SU1102-0AB70-3BA0	1	1 unit
			1	1	1	5	3SU1102-0AB70-3FA0	1	1 unit
110	--	Red	1	0	1	5	3SU1103-0AB20-3CA0	1	1 unit
			1	1	1	5	3SU1103-0AB20-3FA0	1	1 unit
		Yellow	1	1	1	5	3SU1103-0AB30-3FA0	1	1 unit
		Green	1	1	0	5	3SU1103-0AB40-3BA0	1	1 unit
			1	1	1	5	3SU1103-0AB40-3FA0	1	1 unit
		Blue	1	1	1	5	3SU1103-0AB50-3FA0	1	1 unit
		White	1	1	0	5	3SU1103-0AB60-3BA0	1	1 unit
			1	1	1	5	3SU1103-0AB60-3FA0	1	1 unit
		Clear	1	1	0	5	3SU1103-0AB70-3BA0	1	1 unit
			1	1	1	5	3SU1103-0AB70-3FA0	1	1 unit
230	--	Red	1	0	1	5	3SU1106-0AB20-3CA0	1	1 unit
			1	1	1	5	3SU1106-0AB20-3FA0	1	1 unit
		Yellow	1	1	1	5	3SU1106-0AB30-3FA0	1	1 unit
		Green	1	1	0	5	3SU1106-0AB40-3BA0	1	1 unit
			1	1	1	5	3SU1106-0AB40-3FA0	1	1 unit
		Blue	1	1	1	5	3SU1106-0AB50-3FA0	1	1 unit
		White	1	1	0	5	3SU1106-0AB60-3BA0	1	1 unit
			1	1	1	5	3SU1106-0AB60-3FA0	1	1 unit
		Clear	1	1	0	5	3SU1106-0AB70-3BA0	1	1 unit
			1	1	1	5	3SU1106-0AB70-3FA0	1	1 unit

3SU1 22 mm, Round, Plastic, Black — Complete Units

Mushroom pushbuttons / EMERGENCY STOP mushroom pushbuttons

Selection and ordering data


Unlatching method	Number of Contact modules			SD	Screw terminals 	PU (UNIT, SET, M)	PS*
	NO contacts	NC contacts					
				d	Article No.	Price per PU	

Mushroom pushbuttons




3SU1100-1BA20-3CA0

With red mushroom, diameter 40 mm, latching

Pull to unlatch	1	0	1	3	3SU1100-1BA20-1CA0 3SU1100-1BA20-1FA0	1 1	1 unit 1 unit
		1	1	3			
Pull to unlatch	1	0	1	5	Spring-type terminals  3SU1100-1BA20-3CA0 3SU1100-1BA20-3FA0	1 1	1 unit 1 unit
		1	1	5			

Selection and ordering data

Unlatching method	Number of Contact modules			Marking	SD	Screw terminals 	PU (UNIT, SET, M)	PS*
	NO con-tacts	NC con-tacts						
					d	Article No.	Price per PU	

EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5



3SU1100-1HA20-1CH0




3SU1100-1HB20-1CH0




3SU1100-1LB20-1PH0

With red mushroom, diameter 40 mm, with positive latching

Pull to unlatch	1	0	1	NOT-HALT	⊖	5	3SU1100-1HA20-1CH0	1	1 unit
		1	1	EMERGENCY STOP	⊖	5	3SU1100-1HA20-1FG0	1	1 unit
		1	1	NOT-HALT	⊖	5	3SU1100-1HA20-1FH0	1	1 unit
Rotate to unlatch	1	0	1	None	⊖	5	3SU1100-1HB20-1CF0	1	1 unit
		0	1	EMERGENCY STOP	⊖	5	3SU1100-1HB20-1CG0	1	1 unit
		0	1	NOT-HALT	⊖	▶	3SU1100-1HB20-1CH0	1	1 unit
		0	2	EMERGENCY STOP	⊖	5	3SU1100-1HB20-1PG0	1	1 unit
		1	1	EMERGENCY STOP	⊖	5	3SU1100-1HB20-1FG0	1	1 unit
		1	1	NOT-HALT	⊖	▶	3SU1100-1HB20-1FH0	1	1 unit
Rotate to unlatch	1	0	1	NOT-HALT	⊖	5	Spring-type terminals  3SU1100-1HB20-3CH0	1	1 unit
		1	1	NOT-HALT	⊖	5	3SU1100-1HB20-3FH0	1	1 unit

With red mushroom, diameter 40 mm, with latching **NEW**

Rotate to unlatch	2	0	2	NOT-HALT		5	Screw terminals  3SU1100-1LB20-1PH0	1	1 unit
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⊖ Positive opening according to IEC 60947-5-1, Annex K.
Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System,
see Section 13.
Certificate:



3SU1 22 mm, Round, Plastic, Black — Complete Units

Selector switches

Selection and ordering data


Operating principle	Color Supply voltage for light source	Number of			SD	Screw terminals 	PU (UNIT, SET, M)	PS*
		Contact modules	NO contacts	NC contacts				
						Article No.	Price per PU	

Selector switches





3SU1100-2BF60-1BA0

Short black actuator, 2 switch positions, can be illuminated

Latching, 90° 	White	1	1	0	▶	3SU1100-2BF60-1BA0	1	1 unit
		2	1	1	▶	3SU1100-2BF60-1MA0	1	1 unit
	White 110 V	1	1	0	5	3SU1103-2BF60-1BA0	1	1 unit

Short black actuator, 3 switch positions, can be illuminated

Momentary contact, 2x45°, reset from left + right 	White	2	2	2	3	3SU1100-2BM60-1LA0	1	1 unit
		2	2	0	▶	3SU1100-2BM60-1NA0	1	1 unit

Latching, 2x45° 	White	2	2	2	▶	3SU1100-2BL60-1LA0	1	1 unit
		2	2	0	▶	3SU1100-2BL60-1NA0	1	1 unit


Spring-type terminals

Short black actuator, 2 switch positions, can be illuminated

Latching, 90° 	White	1	1	0	5	3SU1100-2BF60-3BA0	1	1 unit
		2	1	1	5	3SU1100-2BF60-3MA0	1	1 unit

Short black actuator, 3 switch positions, can be illuminated

Momentary contact, 2x45°, reset from left + right 	White	2	2	2	5	3SU1100-2BM60-3LA0	1	1 unit
		2	2	0	5	3SU1100-2BM60-3NA0	1	1 unit

Latching, 2x45° 	White	2	2	2	5	3SU1100-2BL60-3LA0	1	1 unit
		2	2	0	5	3SU1100-2BL60-3NA0	1	1 unit




3SU1100-2BL60-1NA0








3SU1 22 mm, Round, Plastic, Black — Complete Units

Key-operated switches

Selection and ordering data

Operating principle	Switch position for key removal	Number of			Number of keys	SD	Screw terminals 	PU (UNIT, SET, M)	PS*
		Contact modules	NO contacts	NC contacts					
							Article No.	Price per PU	

Key-operated switches

 3SU1100-4BF11-1BA0	With RONIS lock, SB30, 2 switch positions								
	Latching, 90° (10:30/1:30 o'clock)	O+I	1	1	0	2			
 3SU1100-4BL11-1NA0	With RONIS lock, SB30, 3 switch positions								
	Latching, 2x45° (10:30/1:30 o'clock)	I+O+II	2	2	0	2			
 3SU1100-4BL11-1NA0	With RONIS lock, SB30, 2 switch positions								
	Latching, 90° (10:30/1:30 o'clock)	O+I	1	1	0	2			
	With CES lock, SSG10, 2 switch positions								
Latching, 90° (10:30/1:30 o'clock)	O+I	1	1	1	2	5			

3SU1 22 mm, Round, Plastic, Black — Complete Units

Coordinate switches

Selection and ordering data

Number of NO contacts (1 per direction)	Operating principle	Direction of actuation	SD	Screw terminals		PU (UNIT, SET, M)	PS*
				Article No.	Price per PU		

Coordinate switches

Without mechanical interlock, 2 switch positions



3SU1100-7AC10-1NA0

2	Momentary contact	Horizontal	5	3SU1100-7AC10-1NA0		1	1 unit
		Vertical	5				
	Latching	Horizontal	5	3SU1100-7AA10-1NA0		1	1 unit
		Vertical	5				

Without mechanical interlock, 4 switch positions



3SU1100-7AF10-1QA0

4	Momentary contact	Horizontal/Vertical	3	3SU1100-7AF10-1QA0		1	1 unit
		Latching	Horizontal/Vertical				

With mechanical interlock, 2 switch positions



3SU1100-7BA10-1NA0

2	Momentary contact	Horizontal	5	3SU1100-7BC10-1NA0		1	1 unit
		Vertical	5				
	Latching	Horizontal	5	3SU1100-7BA10-1NA0		1	1 unit
		Vertical	5				

With mechanical interlock, 4 switch positions



3SU1100-7BF10-1QA0

4	Momentary contact	Horizontal/Vertical	5	3SU1100-7BF10-1QA0		1	1 unit
		Latching	Horizontal/Vertical				

3SU1 22 mm, Round, Plastic, Black — Complete Units

Indicator lights

Selection and ordering data

Operational voltage at AC, rated value		Color of actuating element		SD	Screw terminals 	PU (UNIT, SET, M)	PS*	
V	V		of light source	d				Article No.
Indicator lights								
<i>With smooth lens and integrated LED</i>								
 3SU1102-6AA30-1AA0	24	24	Red	Red	▶	3SU1102-6AA20-1AA0	1	1 unit
			Yellow	Yellow	▶	3SU1102-6AA30-1AA0	1	1 unit
			Green	Green	▶	3SU1102-6AA40-1AA0	1	1 unit
			Blue	Blue	▶	3SU1102-6AA50-1AA0	1	1 unit
			White	White	▶	3SU1102-6AA60-1AA0	1	1 unit
			Clear	White	▶	3SU1102-6AA70-1AA0	1	1 unit
			 3SU1103-6AA50-1AA0	110	--	Amber	Amber	5
Red	Red	▶				3SU1103-6AA20-1AA0	1	1 unit
Yellow	Yellow	▶				3SU1103-6AA30-1AA0	1	1 unit
Green	Green	▶				3SU1103-6AA40-1AA0	1	1 unit
Blue	Blue	3				3SU1103-6AA50-1AA0	1	1 unit
White	White	▶				3SU1103-6AA60-1AA0	1	1 unit
Clear	White	3				3SU1103-6AA70-1AA0	1	1 unit
 3SU1106-6AA50-1AA0	230	--	Amber	Amber	5	3SU1106-6AA00-1AA0	1	1 unit
			Red	Red	▶	3SU1106-6AA20-1AA0	1	1 unit
			Yellow	Yellow	▶	3SU1106-6AA30-1AA0	1	1 unit
			Green	Green	▶	3SU1106-6AA40-1AA0	1	1 unit
			Blue	Blue	3	3SU1106-6AA50-1AA0	1	1 unit
			White	White	▶	3SU1106-6AA60-1AA0	1	1 unit
			Clear	White	3	3SU1106-6AA70-1AA0	1	1 unit
Spring-type terminals 								
 3SU1102-6AA40-3AA0	24	24	Red	Red	3	3SU1102-6AA20-3AA0	1	1 unit
			Yellow	Yellow	5	3SU1102-6AA30-3AA0	1	1 unit
			Green	Green	3	3SU1102-6AA40-3AA0	1	1 unit
			Blue	Blue	5	3SU1102-6AA50-3AA0	1	1 unit
			White	White	3	3SU1102-6AA60-3AA0	1	1 unit
			Clear	White	5	3SU1102-6AA70-3AA0	1	1 unit
			 3SU1103-6AA60-3AA0	110	--	Red	Red	5
Yellow	Yellow	5				3SU1103-6AA30-3AA0	1	1 unit
Green	Green	5				3SU1103-6AA40-3AA0	1	1 unit
Blue	Blue	5				3SU1103-6AA50-3AA0	1	1 unit
White	White	5				3SU1103-6AA60-3AA0	1	1 unit
Clear	White	5				3SU1103-6AA70-3AA0	1	1 unit
 3SU1106-6AA60-3AA0	230	--				Red	Red	5
			Yellow	Yellow	5	3SU1106-6AA30-3AA0	1	1 unit
			Green	Green	5	3SU1106-6AA40-3AA0	1	1 unit
			Blue	Blue	5	3SU1106-6AA50-3AA0	1	1 unit
			White	White	5	3SU1106-6AA60-3AA0	1	1 unit
			Clear	White	5	3SU1106-6AA70-3AA0	1	1 unit

3SU1 22 mm, Round, Plastic, Black — Compact Units

Sensor switches / Potentiometers


Selection and ordering data

	Operational voltage		Color		SD	Screw terminals 	PU (UNIT, SET, M)	PS*	
	at AC, rated value	at DC, rated value	of actuating element	of light source					
	V	V			d	Article No.	Price per PU		
Indicator lights <i>NEW</i>									
	24	24	Amber	Amber	3	3SU1201-6AB00-1AA0		1	1 unit
			Red	Red	▶	3SU1201-6AB20-1AA0		1	1 unit
			Yellow	Yellow	▶	3SU1201-6AB30-1AA0		1	1 unit
			Green	Green	▶	3SU1201-6AB40-1AA0		1	1 unit
			Blue	Blue	3	3SU1201-6AB50-1AA0		1	1 unit
			White	White	▶	3SU1201-6AB60-1AA0		1	1 unit
			Clear	Clear	▶	3SU1201-6AB70-1AA0		1	1 unit
			3SU1201-6AB50-1AA0						
	110	110	Amber	Amber	5	3SU1201-6AC00-1AA0		1	1 unit
			Red	Red	3	3SU1201-6AC20-1AA0		1	1 unit
			Yellow	Yellow	3	3SU1201-6AC30-1AA0		1	1 unit
			Green	Green	3	3SU1201-6AC40-1AA0		1	1 unit
			Blue	Blue	5	3SU1201-6AC50-1AA0		1	1 unit
			White	White	3	3SU1201-6AC60-1AA0		1	1 unit
			Clear	Clear	5	3SU1201-6AC70-1AA0		1	1 unit
			3SU1201-6AC30-1AA0						
	230	230	Amber	Amber	5	3SU1201-6AF00-1AA0		1	1 unit
			Red	Red	3	3SU1201-6AF20-1AA0		1	1 unit
			Yellow	Yellow	3	3SU1201-6AF30-1AA0		1	1 unit
			Green	Green	3	3SU1201-6AF40-1AA0		1	1 unit
			Blue	Blue	5	3SU1201-6AF50-1AA0		1	1 unit
			White	White	3	3SU1201-6AF60-1AA0		1	1 unit
			Clear	Clear	5	3SU1201-6AF70-1AA0		1	1 unit
			3SU1201-6AF30-1AA0						
Indicator lights with "traffic light" LED									
	6 ... 24	6 ... 24	Clear	Red/Yellow/ Green	▶	3SU1201-6AG24-1AA0		1	1 unit
	110	--	Clear	Red/Yellow/ Green	▶	3SU1201-6AC24-1AA0		1	1 unit
	230	--	Clear	Red/Yellow/ Green	▶	3SU1201-6AF24-1AA0		1	1 unit
3SU1201-6AG24-1AA0									

3SU1 22 mm, Round, Plastic, Black — Compact Units


Pushbuttons with extended stroke

Selection and ordering data

Operational voltage		Volume level	SD	Screw terminals	PU (UNIT, SET, M)	PS*
at AC, rated value	at DC, rated value					
V	V	dB	d	Article No.	Price per PU	
Acoustic signaling devices						
	24	24	90	5	3SU1200-6KB10-1AA0 3SU1200-6KC10-1AA0 3SU1200-6KF10-1AA0	1 1 unit
	110	--	90	5		1 1 unit
	230	--	90	5		1 1 unit

3SU1200-6KB10-1AA0

Selection and ordering data


Operating principle	Number of NO contacts	Number of NC contacts	Color	SD	M12 connector, 4-pin	PU (UNIT, SET, M)	PS*
				d	Article No.	Price per PU	
Sensor switches							
	Whether integrated in the two-hand operation console or installed as a door opening contact, the capacitive sensor switch is suitable for many different applications in industrial environments. The switch is actuated by simple contact with the hand or other part of the body (i.e. without the application of pressure). As a result, these switches are rugged, extremely durable and have the highest possible degree of protection IP66, IP67, IP69 (IP69K).					3SU1200-1SK10-2SA0	1 1 unit
Without pressure	1	0	Black	▶			

3SU1200-1SK10-2SA0

Optional accessories

- "Protection for sensor switches", see page 10/155.
- "Connectors for sensor switches, angled socket with screw terminal connection", see page 10/163.

Selection and ordering data

Version of actuating element	Operating principle	Adjustable resistance	SD	Screw terminals	PU (UNIT, SET, M)	PS*
		kΩ	d			
				Article No.	Price per PU	
Potentiometers						
	Rotary knob	Stepless	1	▶	3SU1200-2PQ10-1AA0 3SU1200-2PW10-1AA0 3SU1200-2PR10-1AA0 3SU1200-2PS10-1AA0 3SU1200-2PT10-1AA0 3SU1200-2PU10-1AA0 3SU1200-2PV10-1AA0	1 1 unit
			2.2	▶		1 1 unit
			4.7	▶		1 1 unit
			10	▶		1 1 unit
			47	▶		1 1 unit
			100	▶		1 1 unit
			470	▶		1 1 unit




3SU1200-2PQ10-1AA0


Labeling plates for potentiometers, see page 10/151.

3SU1 22 mm, Round, Plastic, Black — Compact Units

Pushbuttons with extended stroke

Selection and ordering data








Version	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Pushbuttons with extended stroke						
For actuating relays, can only be combined with extension plunger, no contact module or LED module required						
 3SU1200-0EB20-0AA0	Pushbuttons with flat button	Red	5	3SU1200-0EB20-0AA0 3SU1200-0EB40-0AA0	1	1 unit
		Green	5		1	1 unit
 3SU1200-0FB10-0AA0	Pushbuttons with raised button	Black	▶ 5	3SU1200-0FB10-0AA0 3SU1200-0FB20-0AA0	1	1 unit
		Red	▶ 5		1	1 unit
 3SU1201-0EB70-0AA0	Pushbuttons with flat transparent button for insertion of insert labels	Red	▶	3SU1201-0EB20-0AA0 3SU1201-0EB70-0AA0	1	1 unit
		Clear	▶		1	1 unit
	Mechanical reset kit - complete			3SU1200-0KB10-0AA0		

Version	Material	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Accessories							
 3SU1900-0KG10-0AA0	Extension plungers	Plastic	Gray	▶	3SU1900-0KG10-0AA0	1	1 unit
		For compensation of the distance between the pushbutton and the unlatching button of an overload relay					

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements





Pushbuttons

Selection and ordering data

Version of actuating element Front ring version	Operating principle Unlatching method	Color, marking	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	
Pushbuttons								
 3SU1000-0AB20-0AD0	Pushbuttons with flat button Standard	Momentary contact	Black	▶	3SU1000-0AB10-0AA0	1	1 unit	
		Black, "O"	▶	3SU1000-0AB10-0AD0	1	1 unit		
		Red	▶	3SU1000-0AB20-0AA0	1	1 unit		
		Red, "O"	▶	3SU1000-0AB20-0AD0	1	1 unit		
		Yellow	▶	3SU1000-0AB30-0AA0	1	1 unit		
		Green	▶	3SU1000-0AB40-0AA0	1	1 unit		
		Green, "I"	▶	3SU1000-0AB40-0AC0	1	1 unit		
		Blue	▶	3SU1000-0AB50-0AA0	1	1 unit		
		Blue, "R"	5	3SU1000-0AB50-0AR0	1	1 unit		
		White	▶	3SU1000-0AB60-0AA0	1	1 unit		
		White, "I"	▶	3SU1000-0AB60-0AC0	1	1 unit		
		Clear	▶	3SU1000-0AB70-0AA0	1	1 unit		
		Gray	▶	3SU1000-0AB80-0AA0	1	1 unit		
 3SU1000-0AA30-0AA0	Latching Push to unlatch	Black	▶	3SU1000-0AA10-0AA0	1	1 unit		
		Red	▶	3SU1000-0AA20-0AA0	1	1 unit		
		Yellow	3	3SU1000-0AA30-0AA0	1	1 unit		
		Green	▶	3SU1000-0AA40-0AA0	1	1 unit		
		Blue	▶	3SU1000-0AA50-0AA0	1	1 unit		
		White	▶	3SU1000-0AA60-0AA0	1	1 unit		
 3SU1000-0BB30-0AA0	Pushbuttons with raised button Standard	Momentary contact	Black	▶	3SU1000-0BB10-0AA0	1	1 unit	
		Red	▶	3SU1000-0BB20-0AA0	1	1 unit		
		Yellow	5	3SU1000-0BB30-0AA0	1	1 unit		
		Green	▶	3SU1000-0BB40-0AA0	1	1 unit		
		Blue	▶	3SU1000-0BB50-0AA0	1	1 unit		
		White	▶	3SU1000-0BB60-0AA0	1	1 unit		
 3SU1000-0CB40-0AA0	Pushbuttons with flat button Raised	Momentary contact	Black	3	3SU1000-0CB10-0AA0	1	1 unit	
		Red	5	3SU1000-0CB20-0AA0	1	1 unit		
		Yellow	5	3SU1000-0CB30-0AA0	1	1 unit		
		Green	5	3SU1000-0CB40-0AA0	1	1 unit		
		Blue	5	3SU1000-0CB50-0AA0	1	1 unit		
		White	5	3SU1000-0CB60-0AA0	1	1 unit		
 3SU1000-0DB50-0AA0	Pushbuttons with flat button Raised, castellated	Momentary contact	Black	3	3SU1000-0DB10-0AA0	1	1 unit	
		Red	5	3SU1000-0DB20-0AA0	1	1 unit		
		Yellow	5	3SU1000-0DB30-0AA0	1	1 unit		
		Green	5	3SU1000-0DB40-0AA0	1	1 unit		
		Blue	5	3SU1000-0DB50-0AA0	1	1 unit		
		White	5	3SU1000-0DB60-0AA0	1	1 unit		
Front ring	Operating principle	Colors caps/markings	Direction of Actuation	SD	Screw terminals 	PU (UNIT, SET, M)	PS*	
					d	Article No.	Price	
 3SU1000-3FB11-0AA0	Plastic, Black	Momentary Action	Black, None	Up/Down/Left/Right		3SU1000-3FB11-0AA0	1	1 unit
	Plastic, Black	Momentary Action	Black, Arrows	Up/Down/Left/Right		3SU1000-3FB11-0AU0	1	1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Pushbuttons

Version of actuating element Front ring version	Operating principle Unlatching method	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Pushbuttons							
 3SU1001-0AB40-0AA0	Illuminated pushbuttons with flat button Standard	Momentary contact	Amber	5	3SU1001-0AB00-0AA0	1	1 unit
			Red	▶	3SU1001-0AB20-0AA0	1	1 unit
			Yellow	▶	3SU1001-0AB30-0AA0	1	1 unit
			Green	▶	3SU1001-0AB40-0AA0	1	1 unit
			Blue	▶	3SU1001-0AB50-0AA0	1	1 unit
			White	▶	3SU1001-0AB60-0AA0	1	1 unit
			Clear	▶	3SU1001-0AB70-0AA0	1	1 unit
			Latching	Red	▶	3SU1001-0AA20-0AA0	1
	Push to unlatch	Yellow	▶	3SU1001-0AA30-0AA0	1	1 unit	
		Green	▶	3SU1001-0AA40-0AA0	1	1 unit	
		Blue	▶	3SU1001-0AA50-0AA0	1	1 unit	
		White	▶	3SU1001-0AA60-0AA0	1	1 unit	
		Clear	▶	3SU1001-0AA70-0AA0	1	1 unit	
 3SU1001-0BB70-0AA0	Illuminated pushbuttons with raised button Standard	Momentary contact	Red	▶	3SU1001-0BB20-0AA0	1	1 unit
			Yellow	▶	3SU1001-0BB30-0AA0	1	1 unit
			Green	▶	3SU1001-0BB40-0AA0	1	1 unit
			Blue	▶	3SU1001-0BB50-0AA0	1	1 unit
			Clear	▶	3SU1001-0BB70-0AA0	1	1 unit
 3SU1001-0DB50-0AA0	Illuminated pushbuttons with flat button Raised, castellated	Momentary contact	Blue	5	3SU1001-0DB50-0AA0	1	1 unit
 3SU1000-0HC10-0AA0	Stop pushbuttons Standard	Momentary contact, latching by pressing in and turning to the right, rotate-to-unlatch to the left	Black	3	3SU1000-0HC10-0AA0	1	1 unit
			Red	3	3SU1000-0HC20-0AA0	1	1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Twin pushbuttons

Selection and ordering data

Version of actuating element	Operating principle	Color	Marking Symbol No.	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Twin pushbuttons								
 <p>3SU1000-3AB66-0AL0</p>	Twin pushbuttons flat, flat	Momentary contact	Green/Red	-- "I"/"O"	3	3SU1000-3AB42-0AA0 3SU1000-3AB42-0AK0	1	1 unit
			White/Black	-- "I"/"O"	▶	3SU1000-3AB61-0AA0 3SU1000-3AB61-0AK0	1	1 unit
			White/White	--	3	3SU1000-3AB66-0AA0	1	1 unit
			"_"/"+"	5	3SU1000-3AB66-0AL0	1	1 unit	
			Arrows, hor.	5	3SU1000-3AB66-0AM0	1	1 unit	
			Arrows, vert.	5	3SU1000-3AB66-0AN0	1	1 unit	
			Black/Black	--	3	3SU1000-3AB11-0AA0	1	1 unit
			○	3	3SU1000-3AB11-0AQ0	1	1 unit	
			○					
			5264/5265 (IEC 60417)					
 <p>3SU1000-3BB42-0AK0</p>	Twin pushbuttons flat, raised	Momentary contact	Green/Red	-- "I"/"O"	3	3SU1000-3BB42-0AA0 3SU1000-3BB42-0AK0	1	1 unit
			White/Black	-- "I"/"O"	▶	3SU1000-3BB61-0AA0 3SU1000-3BB61-0AK0	1	1 unit
				5				
 <p>3SU1001-3AB42-0AN0</p>	Twin pushbuttons flat, flat, illuminated	Momentary contact	Green/Red	-- "I"/"O"	▶	3SU1001-3AB42-0AA0 3SU1001-3AB42-0AK0	1	1 unit
			Arrows, vert.	3	3SU1001-3AB42-0AN0	1	1 unit	
			White/Black	-- "I"/"O"	▶	3SU1001-3AB61-0AA0 3SU1001-3AB61-0AK0	1	1 unit
			White/White	--	▶	3SU1001-3AB66-0AA0	1	1 unit
			"_"/"+"	5	3SU1001-3AB66-0AL0	1	1 unit	
			Arrows, vert.	5	3SU1001-3AB66-0AN0	1	1 unit	
			Symbols "Circular saw blade"/ "Tilt tipper"	5	3SU1001-3AB66-0AP0	1	1 unit	
 <p>3SU1001-3BB61-0AK0</p>	Twin pushbuttons flat, raised, illuminated	Momentary contact	Green/Red	-- "I"/"O"	3	3SU1001-3BB42-0AA0 3SU1001-3BB42-0AK0	1	1 unit
			White/Black	-- "I"/"O"	▶	3SU1001-3BB61-0AA0 3SU1001-3BB61-0AK0	1	1 unit
				3				

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Mushroom pushbuttons







Selection and ordering data

Version of actuating element	Operating principle Unlatching method	Color, marking	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	
Mushroom pushbuttons								
 <p>Mushroom pushbuttons 30 mm diameter, 2 positions</p> <p>3SU1000-1AD20-0AA0</p>	Momentary contact	Black Red Yellow Green	▶ ▶ ▶ ▶	3SU1000-1AD10-0AA0 3SU1000-1AD20-0AA0 3SU1000-1AD30-0AA0 3SU1000-1AD40-0AA0		1 1 1 1	1 unit 1 unit 1 unit 1 unit	
	Latching	Black	▶	3SU1000-1AA10-0AA0		1	1 unit	
	Pull to unlatch	Red	▶	3SU1000-1AA20-0AA0		1	1 unit	
		Yellow	5	3SU1000-1AA30-0AA0		1	1 unit	
	 <p>Mushroom pushbuttons 40 mm diameter, 2 positions</p> <p>3SU1000-1BD40-0AA0</p>	Momentary contact	Black Red Yellow Green	▶ ▶ 3 ▶	3SU1000-1BD10-0AA0 3SU1000-1BD20-0AA0 3SU1000-1BD30-0AA0 3SU1000-1BD40-0AA0		1 1 1 1	1 unit 1 unit 1 unit 1 unit
Latching		Black	▶	3SU1000-1BA10-0AA0		1	1 unit	
Pull to unlatch		Red	▶	3SU1000-1BA20-0AA0		1	1 unit	
		Red "O"	▶	3SU1000-1BA20-0AD0		1	1 unit	
		Yellow	3	3SU1000-1BA30-0AA0		1	1 unit	
Green	5	3SU1000-1BA40-0AA0		1	1 unit			
 <p>Mushroom pushbuttons 60 mm diameter, 2 positions</p> <p>3SU1000-1CD10-0AA0</p>	Momentary contact	Black Red Yellow Green	3 5 5 3	3SU1000-1CD10-0AA0 3SU1000-1CD20-0AA0 3SU1000-1CD30-0AA0 3SU1000-1CD40-0AA0		1 1 1 1	1 unit 1 unit 1 unit 1 unit	
	Latching	Black	5	3SU1000-1CA10-0AA0		1	1 unit	
	Pull to unlatch	Red	5	3SU1000-1CA20-0AA0		1	1 unit	
	 <p>Mushroom pushbuttons 30 mm diameter, 2 positions, illuminated</p> <p>3SU1001-1AD30-0AA0</p>	Momentary contact	Red Yellow Green Blue White Clear	5 3 3 5 3 5	3SU1001-1AD20-0AA0 3SU1001-1AD30-0AA0 3SU1001-1AD40-0AA0 3SU1001-1AD50-0AA0 3SU1001-1AD60-0AA0 3SU1001-1AD70-0AA0		1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
Latching		Red	▶	3SU1001-1AA20-0AA0		1	1 unit	
Pull to unlatch		Yellow	3	3SU1001-1AA30-0AA0		1	1 unit	
		Green	5	3SU1001-1AA40-0AA0		1	1 unit	
		Blue	3	3SU1001-1AA50-0AA0		1	1 unit	
		Clear	5	3SU1001-1AA70-0AA0		1	1 unit	
 <p>Mushroom pushbuttons 40 mm diameter, 2 positions, illuminated</p> <p>3SU1001-1BA50-0AA0</p>		Momentary contact	Yellow Green White Clear	3 3 3 3	3SU1001-1BD30-0AA0 3SU1001-1BD40-0AA0 3SU1001-1BD60-0AA0 3SU1001-1BD70-0AA0		1 1 1 1	1 unit 1 unit 1 unit 1 unit
	Latching	Red	▶	3SU1001-1BA20-0AA0		1	1 unit	
	Pull to unlatch	Yellow	3	3SU1001-1BA30-0AA0		1	1 unit	
		Green	5	3SU1001-1BA40-0AA0		1	1 unit	
		Blue	3	3SU1001-1BA50-0AA0		1	1 unit	
		Clear	5	3SU1001-1BA70-0AA0		1	1 unit	
	 <p>Mushroom pushbuttons 40 mm diameter, 2 positions</p> <p>3SU1000-1HB10-0AA0</p>	With positive latching	Black Blue	▶ 3	3SU1000-1HB10-0AA0 3SU1000-1HB50-0AA0		1 1	1 unit 1 unit
		Rotate to unlatch						
 <p>Mushroom pushbuttons 40 mm diameter, 2 positions RONIS SB30</p> <p>3SU1000-1HG10-0AA0</p>	With positive latching	Black	▶	3SU1000-1HG10-0AA0		1	1 unit	
	Key-operated release		NEW 5					

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

EMERGENCY STOP mushroom pushbuttons

Selection and ordering data

Version of actuating element	Outer diameter of mushroom mm	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5							
With pull-to-unlatch mechanism							
 3SU1000-1HA20-0AA0	With positive latching, 2 positions 40	Red	▶	3SU1000-1HA20-0AA0		1	1 unit
With rotate-to-unlatch mechanism							
 3SU1000-1GB20-0AA0	With positive latching, 2 positions 33.8	Red	▶	3SU1000-1GB20-0AA0		1	1 unit
 3SU1000-1HB20-0AA0	40	Red	▶	3SU1000-1HB20-0AA0		1	1 unit
 3SU1000-1JB20-0AA0	60	Red	▶	3SU1000-1JB20-0AA0		1	1 unit
 3SU1000-1LB20-0AA0	With latching, 2 positions 40	Red	NEW ▶	3SU1000-1LB20-0AA0		1	1 unit
With rotate-to-unlatch mechanism, can be illuminated							
 3SU1001-1HB20-0AA0	With positive latching, 2 positions 33.8	Red	▶	3SU1001-1GB20-0AA0		1	1 unit
	40	Red	▶	3SU1001-1HB20-0AA0		1	1 unit
	60	Red	▶	3SU1001-1JB20-0AA0		1	1 unit





3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

EMERGENCY STOP mushroom pushbuttons

Version of actuating element	Outer diameter of mushroom mm	Make of lock	Color	Number of keys	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5


With key-operated release

 <p>3SU1000-1HF20-0AA0</p>	With positive latching, 2 positions	40	RONIS SB30	Red	2	▶	3SU1000-1HF20-0AA0 3SU1000-1HG20-0AA0	1	1 unit
			RONIS 455	Red	2	3		1	1 unit
 <p>3SU1000-1HK20-0AA0</p>			BKS S1	Red	2	▶	3SU1000-1HK20-0AA0 3SU1000-1HM20-0AA0 3SU1000-1HN20-0AA0	1	1 unit
			BKS E7	Red	0	3		1	1 unit
			BKS E9	Red	0	3		1	1 unit
 <p>3SU1000-1HQ20-0AA0</p>			O.M.R. 73037	Red	2	▶	3SU1000-1HQ20-0AA0	1	1 unit
 <p>3SU1000-1HR20-0AA0</p>			CES SSG10	Red	2	▶	3SU1000-1HR20-0AA0 3SU1000-1HS20-0AA0 3SU1000-1HT20-0AA0	1	1 unit
			CES SSP9	Red	2	▶		1	1 unit
			CES SMS1	Red	2	3		1	1 unit

Selection and ordering data

Number of switching positions	Number of command points	Color of actuating element	Operating principle of the actuating element	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Toggle switches

 <p>3SU1000-3EA10-0AA0</p>	2	1	Black	Latching	3	3SU1000-3EA10-0AA0 3SU1000-3EC10-0AA0	1	1 unit
				Momentary contact, reset from above	3		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Selector switches

Selection and ordering data

Version of actuating element	Operating principle	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Selector switches							
2 switch positions, can be illuminated							
 3SU1002-2BC40-0AA0	Selector, short black actuator Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	Black	▶	3SU1002-2BC10-0AA0		1	1 unit
		Red	▶	3SU1002-2BC20-0AA0		1	1 unit
		Yellow	▶	3SU1002-2BC30-0AA0		1	1 unit
		Green	▶	3SU1002-2BC40-0AA0		1	1 unit
		Blue	▶	3SU1002-2BC50-0AA0		1	1 unit
		White	▶	3SU1002-2BC60-0AA0		1	1 unit
 3SU1002-2BF30-0AA0	Latching, 90° (10:30/1:30 o'clock) 	Black	▶	3SU1002-2BF10-0AA0		1	1 unit
		Red	▶	3SU1002-2BF20-0AA0		1	1 unit
		Yellow	▶	3SU1002-2BF30-0AA0		1	1 unit
		Green	▶	3SU1002-2BF40-0AA0		1	1 unit
		Blue	▶	3SU1002-2BF50-0AA0		1	1 unit
		White	▶	3SU1002-2BF60-0AA0		1	1 unit
 3SU1002-2CF20-0AA0	Selector, long black actuator Latching, 90° (10:30/1:30 o'clock) 	Black	3	3SU1002-2CF10-0AA0		1	1 unit
		Red	3	3SU1002-2CF20-0AA0		1	1 unit
		White	3	3SU1002-2CF60-0AA0		1	1 unit
 3SU1002-2AF20-0AA0	Rotary knob Latching, 90° (10:30/1:30 o'clock) 	Red	3	3SU1002-2AF20-0AA0		1	1 unit
		White	▶	3SU1002-2AF60-0AA0		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Selector switches

Version of actuating element	Operating principle	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Selector switches

3 switch positions, can be illuminated



3SU1002-2BM20-0AA0

Selector, short black actuator

Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right



- ▶ Black
- ▶ Red
- ▶ Yellow
- ▶ Green
- ▶ Blue
- ▶ White

- ▶ 3SU1002-2BM10-0AA0
- ▶ 3SU1002-2BM20-0AA0
- ▶ 3SU1002-2BM30-0AA0
- ▶ 3SU1002-2BM40-0AA0
- ▶ 3SU1002-2BM50-0AA0
- ▶ 3SU1002-2BM60-0AA0

- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit



3SU1002-2BL60-0AA0

Latching, 2x45° (10:30/12/1:30 o'clock)



- ▶ Black
- ▶ Red
- ▶ Yellow
- ▶ Green
- ▶ Blue
- ▶ White

- ▶ 3SU1002-2BL10-0AA0
- ▶ 3SU1002-2BL20-0AA0
- ▶ 3SU1002-2BL30-0AA0
- ▶ 3SU1002-2BL40-0AA0
- ▶ 3SU1002-2BL50-0AA0
- ▶ 3SU1002-2BL60-0AA0

- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit



3SU1002-2BP50-0AA0

Momentary contact/latching, 2x45° (10:30/12/1:30 o'clock), reset from left, latching to the right



- ▶ Black
- ▶ Red
- ▶ Yellow
- ▶ Green
- ▶ Blue
- ▶ White

- ▶ 3SU1002-2BP10-0AA0
- ▶ 3SU1002-2BP20-0AA0
- ▶ 3SU1002-2BP30-0AA0
- ▶ 3SU1002-2BP40-0AA0
- ▶ 3SU1002-2BP50-0AA0
- ▶ 3SU1002-2BP60-0AA0

- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit



3SU1002-2BN30-0AA0

Latching/momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from right, latching to the left



- ▶ Black
- ▶ Red
- ▶ Yellow
- ▶ Green
- ▶ Blue
- ▶ White

- ▶ 3SU1002-2BN10-0AA0
- ▶ 3SU1002-2BN20-0AA0
- ▶ 3SU1002-2BN30-0AA0
- ▶ 3SU1002-2BN40-0AA0
- ▶ 3SU1002-2BN50-0AA0
- ▶ 3SU1002-2BN60-0AA0

- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit

4 switch positions



3SU1000-2AS60-0AA0

Rotary knob

Latching, 4x90° (3/6/9/12 o'clock)



- ▶ White

- ▶ 3SU1000-2AS60-0AA0

- ▶ 1 1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Key-operated switches

Selection and ordering data

Operating principle	Make of lock	Switch position for key removal	Number of keys	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Key-operated switches

2 switch positions



3SU1000-4JC01-0AA0

Momentary contact, 45° (10:30/12 o'clock), reset from center to left



RONIS, SB30	O	2	▶	3SU1000-4BC01-0AA0	1	1 unit
RONIS, 455	O	2	5	3SU1000-4CC01-0AA0	1	1 unit
O.M.R. 73037, red	O	2	3	3SU1000-4FC01-0AA0	1	1 unit
O.M.R. 73038, light blue	O	2	3	3SU1000-4GC01-0AA0	1	1 unit
O.M.R. 73034, black	O	2	3	3SU1000-4HC01-0AA0	1	1 unit
O.M.R. 73033, yellow	O	2	3	3SU1000-4JC01-0AA0	1	1 unit
CES, SSG10	O	2	▶	3SU1000-5BC01-0AA0	1	1 unit
CES, LSG1		2	3	3SU1000-5HC01-0AA0	1	1 unit
BKS, S1	O	2	▶	3SU1000-5PC01-0AA0	1	1 unit
IKON, 360012K1	O	2	▶	3SU1000-5XC01-0AA0	1	1 unit



3SU1000-4BF11-0AA0

Latching, 90° (10:30/1:30 o'clock)



RONIS, SB30	O	2	▶	3SU1000-4BF01-0AA0	1	1 unit
	O+I	2	▶	3SU1000-4BF11-0AA0	1	1 unit
	I	2	▶	3SU1000-4BF21-0AA0	1	1 unit
RONIS, 455	O	2	3	3SU1000-4CF01-0AA0	1	1 unit
	O+I	2	3	3SU1000-4CF11-0AA0	1	1 unit
RONIS, 421	O+I	2	5	3SU1000-4DF11-0AA0	1	1 unit



3SU1000-4GF11-0AA0

O.M.R. 73037, red	O	2	3	3SU1000-4FF01-0AA0	1	1 unit
	O+I	2	3	3SU1000-4FF11-0AA0	1	1 unit
O.M.R. 73038, light blue	O	2	▶	3SU1000-4GF01-0AA0	1	1 unit
	O+I	2	3	3SU1000-4GF11-0AA0	1	1 unit
O.M.R. 73034, black	O	2	3	3SU1000-4HF01-0AA0	1	1 unit
	O+I	2	3	3SU1000-4HF11-0AA0	1	1 unit
	I	2	5	3SU1000-4HF21-0AA0	1	1 unit
O.M.R. 73033, yellow	O	2	3	3SU1000-4JF01-0AA0	1	1 unit
	O+I	2	3	3SU1000-4JF11-0AA0	1	1 unit



3SU1000-5BF11-0AA0

CES, SSG10	O	2	▶	3SU1000-5BF01-0AA0	1	1 unit
	O+I	2	▶	3SU1000-5BF11-0AA0	1	1 unit
	I	2	▶	3SU1000-5BF21-0AA0	1	1 unit
CES, SSG10 with key monitoring	O	2	NEW ▶	3SU1000-5JF01-0AA0	1	1 unit
CES, LSG1	O	2	▶	3SU1000-5HF01-0AA0	1	1 unit
	O+I	2	▶	3SU1000-5HF11-0AA0	1	1 unit



3SU1000-5PF11-0AA0

BKS, S1	O	2	▶	3SU1000-5PF01-0AA0	1	1 unit
	O+I	2	▶	3SU1000-5PF11-0AA0	1	1 unit
	I	2	3	3SU1000-5PF21-0AA0	1	1 unit
BKS, E1	O	0	3	3SU1000-5QF01-0AA0	1	1 unit
	O+I	0	3	3SU1000-5QF11-0AA0	1	1 unit
BKS, E2	O	0	▶	3SU1000-5RF01-0AA0	1	1 unit
	O+I	0	3	3SU1000-5RF11-0AA0	1	1 unit
BKS, E7	O	0	▶	3SU1000-5SF01-0AA0	1	1 unit
	O+I	0	▶	3SU1000-5SF11-0AA0	1	1 unit
BKS, E9	O	0	▶	3SU1000-5TF01-0AA0	1	1 unit
	O+I	0	3	3SU1000-5TF11-0AA0	1	1 unit
IKON, 360012K1	O	2	▶	3SU1000-5XF01-0AA0	1	1 unit
	O+I	2	▶	3SU1000-5XF11-0AA0	1	1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Key-operated switches

Operating principle	Make of lock	Switch position for key removal	Number of keys	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Key-operated switches

3 switch positions



3SU1000-4BM01-0AA0

Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right



RONIS, SB30	O	2	▶		3SU1000-4BM01-0AA0		1	1 unit
O.M.R. 73037, red	O	2	5		3SU1000-4FM01-0AA0		1	1 unit
O.M.R. 73034, black	O	2	5		3SU1000-4HM01-0AA0		1	1 unit
CES, SSG10	O	2	▶		3SU1000-5BM01-0AA0		1	1 unit
BKS, S1	O	2	3		3SU1000-5PM01-0AA0		1	1 unit
IKON, 360012K1	O	2	3		3SU1000-5XM01-0AA0		1	1 unit

Latching, 2x45° (10:30/12/1:30 o'clock)



RONIS, SB30	O	2	3		3SU1000-4BL01-0AA0		1	1 unit
	I+O+II	2	▶		3SU1000-4BL11-0AA0		1	1 unit
	I	2	5		3SU1000-4BL21-0AA0		1	1 unit
	II	2	3		3SU1000-4BL31-0AA0		1	1 unit
	I+II	2	3		3SU1000-4BL41-0AA0		1	1 unit
	O+I	2	3		3SU1000-4BL51-0AA0		1	1 unit
RONIS, 455	O	2	5		3SU1000-4CL01-0AA0		1	1 unit
	I+O+II	2	3		3SU1000-4CL11-0AA0		1	1 unit
O.M.R. 73037, red	O	2	5		3SU1000-4FL01-0AA0		1	1 unit
	O+I	2	5		3SU1000-4FL51-0AA0		1	1 unit
O.M.R. 73038, light blue	O	2	3		3SU1000-4GL01-0AA0		1	1 unit
	I+O+II	2	3		3SU1000-4GL11-0AA0		1	1 unit
O.M.R. 73034, black	O	2	5		3SU1000-4HL01-0AA0		1	1 unit
	I+O+II	2	3		3SU1000-4HL11-0AA0		1	1 unit
O.M.R. 73033, yellow	I+O+II	2	5		3SU1000-4JL11-0AA0		1	1 unit



3SU1000-4FL01-0AA0



3SU1000-5BL01-0AA0



3SU1000-5JL01-0AA0

CES, SSG10	O	2	▶		3SU1000-5BL01-0AA0		1	1 unit
	I+O+II	2	▶		3SU1000-5BL11-0AA0		1	1 unit
	I	2	3		3SU1000-5BL21-0AA0		1	1 unit
	II	2	▶		3SU1000-5BL31-0AA0		1	1 unit
	I+II	2	3		3SU1000-5BL41-0AA0		1	1 unit
	O+I	2	3		3SU1000-5BL51-0AA0		1	1 unit

CES, SSG10 with key monitoring	O	2	NEW	3	3SU1000-5JL01-0AA0		1	1 unit
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BKS, S1	O	2	3		3SU1000-5PL01-0AA0		1	1 unit
	I+O+II	2	3		3SU1000-5PL11-0AA0		1	1 unit
	I	2	3		3SU1000-5PL21-0AA0		1	1 unit
	II	2	3		3SU1000-5PL31-0AA0		1	1 unit
	I+II	2	3		3SU1000-5PL41-0AA0		1	1 unit

BKS, E2	I+O+II	0	5		3SU1000-5RL11-0AA0		1	1 unit
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BKS, E9	I+O+II	0	3		3SU1000-5TL11-0AA0		1	1 unit
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IKON, 360012K1	O	2	3		3SU1000-5XL01-0AA0		1	1 unit
	I+O+II	2	3		3SU1000-5XL11-0AA0		1	1 unit

3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Key-operated switches / ID key-operated switches

Operating principle	Make of lock	Switch position for key removal	Number of keys	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Key-operated switches

3 switch positions



3SU1000-4BP01-0AA0

Momentary contact/ RONIS, SB30
latching, 2x45°
(10:30/12/
1:30 o'clock),
reset from left,
latching to the right



		O	2	3	3SU1000-4BP01-0AA0		1	1 unit
		II	2	3	3SU1000-4BP31-0AA0		1	1 unit
		O+II	2	3	3SU1000-4BP61-0AA0		1	1 unit
CES, SSG10		O	2	3	3SU1000-5BP01-0AA0		1	1 unit
		II	2	5	3SU1000-5BP31-0AA0		1	1 unit
		O+II	2	3	3SU1000-5BP61-0AA0		1	1 unit
BKS, S1		O	2	3	3SU1000-5PP01-0AA0		1	1 unit



3SU1000-5BP01-0AA0



3SU1000-4GN01-0AA0

Latching/
momentary
contact, 2x45°
(10:30/12/
1:30 o'clock),
reset from right,
latching to the
left



	RONIS, SB30	O	2	3	3SU1000-4BN01-0AA0		1	1 unit
		I	2	3	3SU1000-4BN21-0AA0		1	1 unit
		O+I	2	3	3SU1000-4BN51-0AA0		1	1 unit
	O.M.R. 73038, light blue	O	2	5	3SU1000-4GN01-0AA0		1	1 unit
	O.M.R. 73034, black	I	2	5	3SU1000-4HN21-0AA0		1	1 unit
CES, SSG10		O	2	3	3SU1000-5BN01-0AA0		1	1 unit
		I	2	3	3SU1000-5BN21-0AA0		1	1 unit
		O+I	2	3	3SU1000-5BN51-0AA0		1	1 unit
BKS, S1		I	2	5	3SU1000-5PN21-0AA0		1	1 unit
		O+I	2	3	3SU1000-5PN51-0AA0		1	1 unit
IKON, 360012K1		O+I	2	5	3SU1000-5XN51-0AA0		1	1 unit

Selection and ordering data

Operating angle	Operating principle	Switch position for key removal	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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ID key-operated switches

4 switch positions



3SU1000-4WS10-0AA0

45° Latching Key removal possible in all 4 positions

					3SU1000-4WS10-0AA0		1	1 unit
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For ID keys, see page 10/159.

For electronic modules for ID key-operated switches, see page 10/120.

For plastic holders for ID key-operated switches, see page 10/110.



Note:

ID Key Switches requires the use of a plastic holder only! Purchase **3SU1500-0AA10-0AA0** Holder Separately.



3SU1 22 mm, Round, Plastic, Black — Actuating & Signaling Elements

Indicator lights

Selection and ordering data

	Product function Locking in zero position	Number of switching positions	Operating principle	Direction of actuation	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*		
Coordinate switches											
	No	2	Momentary contact	Horizontal Vertical	▶	3SU1000-7AC10-0AA0 3SU1000-7AD10-0AA0		1 1	1 unit 1 unit		
			Latching	Horizontal Vertical	▶	3SU1000-7AA10-0AA0 3SU1000-7AB10-0AA0		1 1	1 unit 1 unit		
		4	Momentary contact	Horizontal/ Vertical	▶	3SU1000-7AF10-0AA0		1	1 unit		
			Latching	Horizontal/ Vertical	▶	3SU1000-7AE10-0AA0		1	1 unit		
			Yes	2	Momentary contact	Horizontal Vertical	▶	3SU1000-7BC10-0AA0 3SU1000-7BD10-0AA0		1 1	1 unit 1 unit
					Latching	Horizontal Vertical	▶	3SU1000-7BA10-0AA0 3SU1000-7BB10-0AA0		1 1	1 unit 1 unit
4	Momentary contact			Horizontal/ Vertical	▶	3SU1000-7BF10-0AA0		1	1 unit		
	Latching			Horizontal/ Vertical	▶	3SU1000-7BE10-0AA0		1	1 unit		


Selection and ordering data

	Type of product	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Indicator lights							
	With smooth lens	Amber	3	3SU1001-6AA00-0AA0		1	1 unit
		Red	▶	3SU1001-6AA20-0AA0		1	1 unit
		Yellow	▶	3SU1001-6AA30-0AA0		1	1 unit
		Green	▶	3SU1001-6AA40-0AA0		1	1 unit
		Blue	▶	3SU1001-6AA50-0AA0		1	1 unit
		White	▶	3SU1001-6AA60-0AA0		1	1 unit
		Clear	▶	3SU1001-6AA70-0AA0		1	1 unit
		Indicator lights in illuminated pushbutton design					
	--	Red	3	3SU1001-0AD20-0AA0		1	1 unit
		Yellow	3	3SU1001-0AD30-0AA0		1	1 unit
		Green	3	3SU1001-0AD40-0AA0		1	1 unit
		Blue	3	3SU1001-0AD50-0AA0		1	1 unit
		Clear	▶	3SU1001-0AD70-0AA0		1	1 unit

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Complete Units

Pushbuttons

Selection and ordering data

Supply voltage for light source		Color	Number of			SD	Screw terminals 	PU (UNIT, SET, M)	PS*
at AC	at DC		Contact modules	NO contacts	NC contacts				
V	V					Article No.	Price per PU		

Pushbuttons



3SU1130-0AB10-1BA0

Pushbuttons with flat button, momentary contact

--	--	Black	1	1	0	▶	3SU1130-0AB10-1BA0	1	1 unit
			0	0	1	3	3SU1130-0AB10-1CA0	1	1 unit
			1	1	1	▶	3SU1130-0AB10-1FA0	1	1 unit
		Red	1	1	0	5	3SU1130-0AB20-1BA0	1	1 unit
			0	0	1	▶	3SU1130-0AB20-1CA0	1	1 unit
			1	1	1	▶	3SU1130-0AB20-1FA0	1	1 unit
		Yellow	1	1	0	5	3SU1130-0AB30-1BA0	1	1 unit
			1	1	1	5	3SU1130-0AB30-1FA0	1	1 unit
		Green	1	1	0	▶	3SU1130-0AB40-1BA0	1	1 unit
			1	1	1	▶	3SU1130-0AB40-1FA0	1	1 unit
		Blue	1	1	0	3	3SU1130-0AB50-1BA0	1	1 unit
			1	1	1	5	3SU1130-0AB50-1FA0	1	1 unit
		White	1	1	0	3	3SU1130-0AB60-1BA0	1	1 unit
			1	1	1	5	3SU1130-0AB60-1FA0	1	1 unit



3SU1130-0BB20-1CA0

Pushbuttons with raised button, momentary contact

--	--	Red	1	0	1	5	3SU1130-0BB20-1CA0	1	1 unit
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3SU1132-0AB40-1BA0

Illuminated pushbuttons with flat button, momentary contact with integrated LED

24	24	Red	1	1	0	5	3SU1132-0AB20-1BA0	1	1 unit
			0	0	1	3	3SU1132-0AB20-1CA0	1	1 unit
			1	1	1	3	3SU1132-0AB20-1FA0	1	1 unit
		Yellow	1	1	0	3	3SU1132-0AB30-1BA0	1	1 unit
			1	1	1	5	3SU1132-0AB30-1FA0	1	1 unit
		Green	1	1	0	▶	3SU1132-0AB40-1BA0	1	1 unit
			1	1	1	3	3SU1132-0AB40-1FA0	1	1 unit
		Blue	1	1	0	3	3SU1132-0AB50-1BA0	1	1 unit
			1	1	1	5	3SU1132-0AB50-1FA0	1	1 unit
		White	1	1	0	▶	3SU1132-0AB60-1BA0	1	1 unit
			1	1	1	3	3SU1132-0AB60-1FA0	1	1 unit
		Clear	1	1	0	3	3SU1132-0AB70-1BA0	1	1 unit
			1	1	1	5	3SU1132-0AB70-1FA0	1	1 unit
110	--	Red	1	0	1	5	3SU1133-0AB20-1CA0	1	1 unit
			1	1	1	5	3SU1133-0AB20-1FA0	1	1 unit
		Yellow	1	1	0	5	3SU1133-0AB30-1BA0	1	1 unit
			1	1	1	5	3SU1133-0AB30-1FA0	1	1 unit
		Green	1	1	0	5	3SU1133-0AB40-1BA0	1	1 unit
			1	1	1	5	3SU1133-0AB40-1FA0	1	1 unit
		Blue	1	1	0	5	3SU1133-0AB50-1BA0	1	1 unit
			1	1	1	5	3SU1133-0AB50-1FA0	1	1 unit
		White	1	1	0	5	3SU1133-0AB60-1BA0	1	1 unit
			1	1	1	5	3SU1133-0AB60-1FA0	1	1 unit
		Clear	1	1	0	5	3SU1133-0AB70-1BA0	1	1 unit
			1	1	1	5	3SU1133-0AB70-1FA0	1	1 unit

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Complete Units

Actuators and Indicator

Supply voltage for light source		Color	Number of			SD	Screw terminals 	PU (UNIT, SET, M)	PS*
at AC	at DC		Contact modules	NO contacts	NC contacts				
V	V					Article No.	Price per PU		

Pushbuttons



3SU1136-0AB40-1BA0

Illuminated pushbuttons with flat button, momentary contact with integrated LED

230	--	Red	1	0	1	5	3SU1136-0AB20-1CA0 3SU1136-0AB20-1FA0	1 1	1 unit 1 unit
		Yellow	1	1	0	5	3SU1136-0AB30-1BA0 3SU1136-0AB30-1FA0	1 1	1 unit 1 unit
		Green	1	1	0	5	3SU1136-0AB40-1BA0 3SU1136-0AB40-1FA0	1 1	1 unit 1 unit
		Blue	1	1	0	5	3SU1136-0AB50-1BA0 3SU1136-0AB50-1FA0	1 1	1 unit 1 unit
		White	1	1	0	5	3SU1136-0AB60-1BA0 3SU1136-0AB60-1FA0	1 1	1 unit 1 unit
		Clear	1	1	0	5	3SU1136-0AB70-1BA0 3SU1136-0AB70-1FA0	1 1	1 unit 1 unit

Spring-type terminals



3SU1130-0AB10-3BA0

Pushbuttons with flat button, momentary contact

--	--	Black	1	1	0	5	3SU1130-0AB10-3BA0 3SU1130-0AB10-3FA0	1 1	1 unit 1 unit
		Red	1	0	1	5	3SU1130-0AB20-3CA0	1	1 unit
		Green	1	1	0	5	3SU1130-0AB40-3BA0	1	1 unit
		White	1	1	1	5	3SU1130-0AB60-3FA0	1	1 unit



3SU1132-0AB30-3BA0

Illuminated pushbuttons with flat button, momentary contact

24	24	Red	1	0	1	5	3SU1132-0AB20-3CA0 3SU1132-0AB20-3FA0	1 1	1 unit 1 unit
		Yellow	1	1	0	5	3SU1132-0AB30-3BA0 3SU1132-0AB30-3FA0	1 1	1 unit 1 unit
		Green	1	1	0	5	3SU1132-0AB40-3BA0 3SU1132-0AB40-3FA0	1 1	1 unit 1 unit
		Blue	1	1	0	5	3SU1132-0AB50-3BA0 3SU1132-0AB50-3FA0	1 1	1 unit 1 unit
		White	1	1	0	5	3SU1132-0AB60-3BA0 3SU1132-0AB60-3FA0	1 1	1 unit 1 unit
		Clear	1	1	0	5	3SU1132-0AB70-3BA0 3SU1132-0AB70-3FA0	1 1	1 unit 1 unit

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Complete Units

Mushroom pushbuttons / EMERGENCY STOP mushroom pushbuttons

Selection and ordering data

Unlatching method	Number of			SD	Screw terminals	PU (UNIT, SET, M)	PS*
	Contact modules	NO contacts	NC contacts				
				d	Article No.	Price per PU	

Mushroom pushbuttons



3SU1130-1BA20-1CA0

With red mushroom, diameter 40 mm, latching

Pull to unlatch	1	0	1	5	3SU1130-1BA20-1CA0	1	1 unit
		1	1	5			

Selection and ordering data

Unlatching method	Number of			Marking	SD	Screw terminals	PU (UNIT, SET, M)	PS*
	Contact modules	NO contacts	NC contacts					
					d	Article No.	Price per PU	

EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5



3SU1100-1HA20-1CH0

With red mushroom, diameter 40 mm, with positive latching

Pull to unlatch	1	0	1	NOT-HALT	⊖	5	3SU1100-1HA20-1CH0	1	1 unit			
		1	1	EMERGENCY STOP	⊖	5				3SU1100-1HA20-1FG0	1	1 unit
		1	1	NOT-HALT	⊖	5				3SU1100-1HA20-1FH0	1	1 unit

Rotate to unlatch	1	0	1	None	⊖	5	3SU1100-1HB20-1CF0	1	1 unit				
		0	1	EMERGENCY STOP	⊖	5				3SU1100-1HB20-1CG0	1	1 unit	
		0	1	NOT-HALT	⊖	▶				5	3SU1100-1HB20-1CH0	1	1 unit
		0	2	EMERGENCY STOP	⊖	5				3SU1100-1HB20-1PG0	1	1 unit	

		0	2	Less backing plate	⊖	5	3SU1100-1HB20-1PA0	1	1 unit			
		1	1	EMERGENCY STOP	⊖	5				3SU1100-1HB20-1FG0	1	1 unit
		1	1	NOT-HALT	⊖	▶				5	3SU1100-1HB20-1FH0	1



3SU1100-1HB20-1CH0

						Spring-type terminals			
Rotate to unlatch	1	0	1	NOT-HALT	⊖	5	3SU1100-1HB20-3CH0	1	1 unit
		1	1	NOT-HALT	⊖	5			



3SU1100-1LB20-1PH0

With red mushroom, diameter 40 mm, with latching **NEW**

						Screw terminals		
Rotate to unlatch	2	0	2	NOT-HALT	5	3SU1100-1LB20-1PH0	1	1 unit

⊖ Positive opening according to IEC 60947-5-1, Annex K.
 Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.
 Certificate:



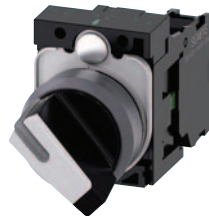
3SU1 22 mm, Plastic with Metal Front Ring, Matte — Complete Units

Coordinate switches, complete

Selection and ordering data

Operating principle	Color	Number of			SD	Screw terminals	PU (UNIT, SET, M)	PS*
		Contact modules	NO contacts	NC contacts				
						Article No.	Price per PU	

Selector switches



Short black actuator, 2 switch positions, can be illuminated

Latching, 90°	White	1	1	0	▶	3SU1130-2BF60-1BA0 3SU1130-2BF60-1MA0	1	1 unit
			1	1	▶		1	1 unit

Short black actuator, 3 switch positions, can be illuminated

Momentary contact, 2x45°	White	2	2	2	5	3SU1130-2BM60-1LA0 3SU1130-2BM60-1NA0	1	1 unit
			2	0	3		1	1 unit

3SU1130-2BF60-1BA0



Latching, 2x45°	White	2	2	2	3	3SU1130-2BL60-1LA0 3SU1130-2BL60-1NA0	1	1 unit
			2	0	▶		1	1 unit

3SU1130-2BL60-1NA0

Spring-type terminals

Short black actuator, 2 switch positions, can be illuminated

Latching, 90°	White	1	1	0	5	3SU1130-2BF60-3BA0 3SU1130-2BF60-3MA0	1	1 unit
			1	1	5		1	1 unit

Short black actuator, 3 switch positions, can be illuminated


Momentary contact, 2x45°	White	2	2	0	5	3SU1130-2BM60-3NA0	1	1 unit

Latching, 2x45°	White	2	2	2	5	3SU1130-2BL60-3LA0 3SU1130-2BL60-3NA0	1	1 unit
			2	0	5		1	1 unit


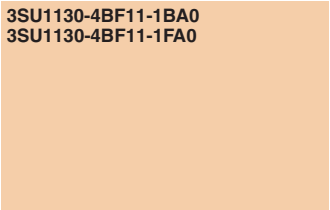

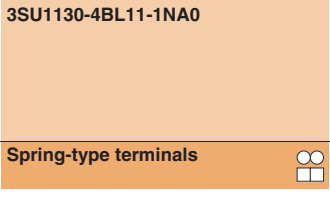

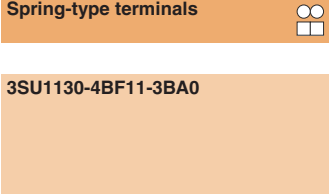
3SU1 22 mm, Plastic with Metal Front Ring, Matte — Complete Units

Coordinate switches, complete


Selection and ordering data

Operating principle	Switch position for key removal	Number of Contact modules		NO contacts	NC contacts	Number of keys	SD	Screw terminals 	PU (UNIT, SET, M)	PS*
								Article No.	Price per PU	


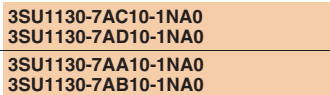
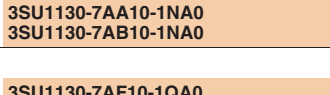

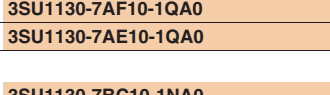
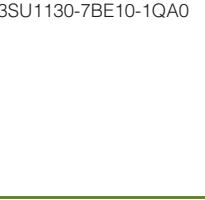
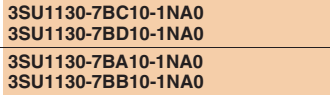
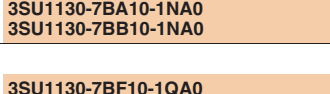
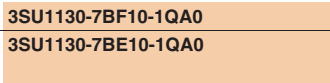
Key-operated switches

 <p>3SU1130-4BF11-1BA0</p>	With RONIS lock, SB30, 2 switch positions									
	Latching, 90° (10:30/ 1:30 o'clock)	O+I	1	1	0	2	3		1	1 unit
				1	1	2	3		1	1 unit
 <p>3SU1130-4BL11-1NA0</p>	With RONIS lock, SB30, 3 switch positions									
	Latching, 2x45° (10:30/12/ 1:30 o'clock)	I+O+II	2	2	0	2	5		1	1 unit
 <p>3SU1130-4BF11-3BA0</p>	With RONIS lock, SB30, 2 switch positions									
	Latching, 90° (10:30/ 1:30 o'clock)	O+I	1	1	0	2	5		1	1 unit

Selection and ordering data

Number of NO contacts (1 per direction)	Operating principle	Direction of actuation	SD	Screw terminals 	PU (UNIT, SET, M)	PS*


Coordinate switches

 <p>3SU1130-7AE10-1QA0</p>	Without mechanical interlock, 2 switch positions									
	2	Momentary contact	Horizontal	5		1	1 unit			
		Vertical	5	1		1 unit				
		Latching	Horizontal	5		1	1 unit			
			Vertical	5		1	1 unit			
	 <p>3SU1130-7AE10-1QA0</p>	Without mechanical interlock, 4 switch positions								
4		Momentary contact	Horizontal/Vertical	5		1	1 unit			
		Latching	Horizontal/Vertical	5		1	1 unit			
 <p>3SU1130-7BE10-1QA0</p>		With mechanical interlock, 2 switch positions								
	2	Momentary contact	Horizontal	5		1	1 unit			
		Vertical	5	1		1 unit				
		Latching	Horizontal	5		1	1 unit			
	Vertical		5	1		1 unit				
4	With mechanical interlock, 4 switch positions									
	Momentary contact	Horizontal/Vertical	5		1	1 unit				
Latching	Horizontal/Vertical	5	1		1 unit					

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Complete Units

Indicator Lights – Complete Units

Selection and ordering data

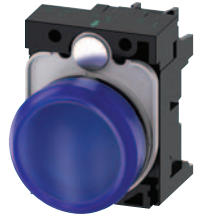
Operational voltage at AC, rated value		Color of actuating element		SD	Screw terminals 	PU (UNIT, SET, M)	PS*
V	V		of light source	d			

Indicator lights

With smooth lens and integrated LED



3SU1102-6AA30-1AA0

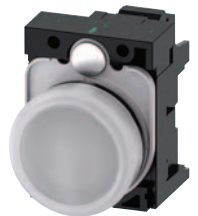


3SU1106-6AA50-1AA0


24	24	Red	Red	▶	3SU1102-6AA20-1AA0	1	1 unit
		Yellow	Yellow	▶	3SU1102-6AA30-1AA0	1	1 unit
		Green	Green	▶	3SU1102-6AA40-1AA0	1	1 unit
		Blue	Blue	▶	3SU1102-6AA50-1AA0	1	1 unit
		White	White	▶	3SU1102-6AA60-1AA0	1	1 unit
		Clear	White	▶	3SU1102-6AA70-1AA0	1	1 unit
		110	--	Amber	Amber	5	3SU1103-6AA00-1AA0
Red	Red			▶	3SU1103-6AA20-1AA0	1	1 unit
Yellow	Yellow			▶	3SU1103-6AA30-1AA0	1	1 unit
Green	Green			▶	3SU1103-6AA40-1AA0	1	1 unit
Blue	Blue			▶	3SU1103-6AA50-1AA0	1	1 unit
White	White			▶	3SU1103-6AA60-1AA0	1	1 unit
Clear	White			▶	3SU1103-6AA70-1AA0	1	1 unit
230	--	Amber	Amber	5	3SU1106-6AA00-1AA0	1	1 unit
		Red	Red	▶	3SU1106-6AA20-1AA0	1	1 unit
		Yellow	Yellow	▶	3SU1106-6AA30-1AA0	1	1 unit
		Green	Green	▶	3SU1106-6AA40-1AA0	1	1 unit
		Blue	Blue	▶	3SU1106-6AA50-1AA0	1	1 unit
		White	White	▶	3SU1106-6AA60-1AA0	1	1 unit
		Clear	White	▶	3SU1106-6AA70-1AA0	1	1 unit



3SU1102-6AA40-3AA0



3SU1106-6AA60-3AA0

Operational voltage at AC, rated value		Color of actuating element		SD	Spring-type terminals 	PU (UNIT, SET, M)	PS*
V	V		of light source	d			
24	24	Red	Red	3	3SU1102-6AA20-3AA0	1	1 unit
		Yellow	Yellow	5	3SU1102-6AA30-3AA0	1	1 unit
		Green	Green	3	3SU1102-6AA40-3AA0	1	1 unit
		Blue	Blue	5	3SU1102-6AA50-3AA0	1	1 unit
		White	White	3	3SU1102-6AA60-3AA0	1	1 unit
		Clear	White	5	3SU1102-6AA70-3AA0	1	1 unit
110	--	Red	Red	5	3SU1103-6AA20-3AA0	1	1 unit
		Yellow	Yellow	5	3SU1103-6AA30-3AA0	1	1 unit
		Green	Green	5	3SU1103-6AA40-3AA0	1	1 unit
		Blue	Blue	5	3SU1103-6AA50-3AA0	1	1 unit
		White	White	5	3SU1103-6AA60-3AA0	1	1 unit
		Clear	White	5	3SU1103-6AA70-3AA0	1	1 unit
230	--	Red	Red	5	3SU1106-6AA20-3AA0	1	1 unit
		Yellow	Yellow	5	3SU1106-6AA30-3AA0	1	1 unit

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Compact Units

Indicator lights


Selection and ordering data

	Operational voltage		Color		SD	Screw terminals 	PU (UNIT, SET, M)	PS*	
	at AC, rated value	at DC, rated value	of actuating element	of light source					
	V	V			d	Article No.	Price per PU		
Indicator lights <i>NEW</i>									
	24	24	Amber	Amber	3	3SU1201-6AB00-1AA0		1	1 unit
			Red	Red	▶	3SU1201-6AB20-1AA0			
			Yellow	Yellow	▶	3SU1201-6AB30-1AA0			
			Green	Green	▶	3SU1201-6AB40-1AA0			
			Blue	Blue	3	3SU1201-6AB50-1AA0			
			White	White	▶	3SU1201-6AB60-1AA0			
			Clear	Clear	▶	3SU1201-6AB70-1AA0			
			3SU1201-6AB50-1AA0						
	110	110	Amber	Amber	5	3SU1201-6AC00-1AA0		1	1 unit
			Red	Red	3	3SU1201-6AC20-1AA0			
			Yellow	Yellow	3	3SU1201-6AC30-1AA0			
			Green	Green	3	3SU1201-6AC40-1AA0			
			Blue	Blue	5	3SU1201-6AC50-1AA0			
			White	White	3	3SU1201-6AC60-1AA0			
			Clear	Clear	5	3SU1201-6AC70-1AA0			
			3SU1201-6AC30-1AA0						
	230	230	Amber	Amber	5	3SU1201-6AF00-1AA0		1	1 unit
			Red	Red	3	3SU1201-6AF20-1AA0			
			Yellow	Yellow	3	3SU1201-6AF30-1AA0			
			Green	Green	3	3SU1201-6AF40-1AA0			
			Blue	Blue	5	3SU1201-6AF50-1AA0			
			White	White	3	3SU1201-6AF60-1AA0			
			Clear	Clear	5	3SU1201-6AF70-1AA0			
			3SU1201-6AF30-1AA0						
Indicator lights with "traffic light" LED									
	6 ... 24	6 ... 24	Clear	Red/Yellow/ Green	▶	3SU1201-6AG24-1AA0		1	1 unit
	110	--	Clear	Red/Yellow/ Green	▶	3SU1201-6AC24-1AA0			
	230	--	Clear	Red/Yellow/ Green	▶	3SU1201-6AF24-1AA0			
3SU1201-6AG24-1AA0									

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Compact Units


Sensor switches / potentiometers

Selection and ordering data

	Operational voltage		Volume level	SD	Screw terminals	PU (UNIT, SET, M)	PS*
	at AC, rated value	at DC, rated value					
	V	V	dB	d	Article No.	Price per PU	
Acoustic signaling devices							
	24	24	90	5	3SU1200-6KB10-1AA0		1 1 unit
	110	--	90	5	3SU1200-6KC10-1AA0		1 1 unit
	230	--	90	5	3SU1200-6KF10-1AA0		1 1 unit

3SU1200-6KB10-1AA0

Selection and ordering data

	Operating principle	Number of NO contacts	Number of NC contacts	Color	SD	M12 connector, 4-pin	PU (UNIT, SET, M)	PS*
						Article No.	Price per PU	
Sensor switches								
	Whether integrated in the two-hand operation console or installed as a door opening contact, the capacitive sensor switch is suitable for many different applications in industrial environments.							
	The switch is actuated by simple contact with the hand or other part of the body (i.e. without the application of pressure). As a result, these switches are rugged, extremely durable and have the highest possible degree of protection IP66, IP67, IP69 (IP69K).							
	Without pressure	1	0	Black	▶	3SU1200-1SK10-2SA0		1 1 unit

3SU1200-1SK10-2SA0

Optional accessories

- "Protection for sensor switches", [see page 10/155](#).
- "Connectors for sensor switches, angled socket with screw terminal connection", [see page 10/163](#).

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Compact Units

Sensor switches / Pushbuttons with extended stroke

Selection and ordering data

Version of actuating element	Operating principle	Adjustable resistance	SD	Screw terminals	PU (UNIT, SET, M)	PS*
		kΩ	d	Article No.	Price per PU	

Potentiometers



Version	Operating principle	Adjustable resistance	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Rotary knob	Stepless	1	▶	3SU1200-2PQ10-1AA0		1	1 unit
		2.2	▶	3SU1200-2PW10-1AA0		1	1 unit
		4.7	▶	3SU1200-2PR10-1AA0		1	1 unit
		10	▶	3SU1200-2PS10-1AA0		1	1 unit
		47	▶	3SU1200-2PT10-1AA0		1	1 unit
		100	▶	3SU1200-2PU10-1AA0		1	1 unit
		470	▶	3SU1200-2PV10-1AA0		1	1 unit

3SU1200-2PQ10-1AA0

Labeling plates for potentiometers, see page 10/151.

Selection and ordering data

Version	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
		d				

Pushbuttons with extended stroke



3SU1230-0EB40-0AA0

For actuating relays, can only be combined with extension plunger, no contact module or LED module required

Pushbuttons with flat button

Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Red	5	3SU1230-0EB20-0AA0		1	1 unit
Green	5	3SU1230-0EB40-0AA0		1	1 unit



3SU1230-0FB10-0AA0

Pushbuttons with raised button

Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Black	3	3SU1230-0FB10-0AA0		1	1 unit



3SU1231-0EB20-0AA0

Pushbuttons with flat transparent button for insertion of insert labels

Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Red	3	3SU1231-0EB20-0AA0		1	1 unit
Clear	3	3SU1231-0EB70-0AA0		1	1 unit

Version	Material	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
			d				

Accessories



3SU1900-0KG10-0AA0

Extension plungers

For compensation of the distance between the pushbutton and the unlatching button of an overload relay


Material	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Plastic	Gray	▶	3SU1900-0KG10-0AA0		1	1 unit

Pushbuttons

Selection and ordering data

Version of actuating element Front ring version	Operating principle Unlatching method	Color, marking	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*		
Pushbuttons									
 3SU1030-0AB50-0AR0	Pushbuttons with flat button Standard	Momentary contact	Black	▶	3SU1030-0AB10-0AA0		1	1 unit	
			Black, "O"	▶	3SU1030-0AB10-0AD0		1	1 unit	
			Red	▶	3SU1030-0AB20-0AA0		1	1 unit	
			Red, "O"	▶	3SU1030-0AB20-0AD0		1	1 unit	
			Red, "AUTO"	5	3SU1030-0AB20-0AQ0		1	1 unit	
			Yellow	▶	3SU1030-0AB30-0AA0		1	1 unit	
			Green	▶	3SU1030-0AB40-0AA0		1	1 unit	
			Green, "I"	▶	3SU1030-0AB40-0AC0		1	1 unit	
			Blue	▶	3SU1030-0AB50-0AA0		1	1 unit	
			Blue, "R"	5	3SU1030-0AB50-0AR0		1	1 unit	
			White	▶	3SU1030-0AB60-0AA0		1	1 unit	
			White, "I"	▶	3SU1030-0AB60-0AC0		1	1 unit	
			Clear	▶	3SU1030-0AB70-0AA0		1	1 unit	
			Gray	▶	3SU1030-0AB80-0AA0		1	1 unit	
		 3SU1030-0AA40-0AA0	Latching Push to unlatch	Black	▶	3SU1030-0AA10-0AA0		1	1 unit
				Red	▶	3SU1030-0AA20-0AA0		1	1 unit
				Yellow	▶	3SU1030-0AA30-0AA0		1	1 unit
Green	▶			3SU1030-0AA40-0AA0		1	1 unit		
Blue	▶			3SU1030-0AA50-0AA0		1	1 unit		
White	▶			3SU1030-0AA60-0AA0		1	1 unit		
 3SU1030-0BB20-0AA0	Pushbuttons with raised button Standard	Momentary contact	Black	▶	3SU1030-0BB10-0AA0		1	1 unit	
			Red	▶	3SU1030-0BB20-0AA0		1	1 unit	
			Yellow	▶	3SU1030-0BB30-0AA0		1	1 unit	
			Green	▶	3SU1030-0BB40-0AA0		1	1 unit	
			Blue	▶	3SU1030-0BB50-0AA0		1	1 unit	
			White	▶	3SU1030-0BB60-0AA0		1	1 unit	
 3SU1030-0CB30-0AA0	Pushbuttons with flat button Raised	Momentary contact	Black	5	3SU1030-0CB10-0AA0		1	1 unit	
			Red	5	3SU1030-0CB20-0AA0		1	1 unit	
			Yellow	5	3SU1030-0CB30-0AA0		1	1 unit	
			Green	5	3SU1030-0CB40-0AA0		1	1 unit	
			Blue	5	3SU1030-0CB50-0AA0		1	1 unit	
			White	5	3SU1030-0CB60-0AA0		1	1 unit	

Selection and ordering data

Front ring	Operating principle	Colors caps/markings	Direction of Actuation	SD	Screw terminals	PU (UNIT, SET, M)	PS*
Quadruple pushbuttons							
 3SU1030-3FB11-0AA0	Metal, Matt	Momentary Action	Black, None	Up/Down/Left/Right	3SU1030-3FB11-0AA0	1	1 unit
	Metal, Matt	Momentary Action	Black, Arrows	Up/Down/Left/Right	3SU1030-3FB11-0AU0	1	1 unit

Pushbuttons

Version of actuating element		Operating principle	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Front ring version	Unlatching method							
Pushbuttons								
 3SU1031-0AB20-0AA0	Illuminated pushbuttons with flat button Standard	Momentary contact	Amber	5	3SU1031-0AB00-0AA0		1	1 unit
			Red	▶	3SU1031-0AB20-0AA0		1	1 unit
			Yellow	▶	3SU1031-0AB30-0AA0		1	1 unit
			Green	▶	3SU1031-0AB40-0AA0		1	1 unit
			Blue	▶	3SU1031-0AB50-0AA0		1	1 unit
			White	▶	3SU1031-0AB60-0AA0		1	1 unit
			Clear	▶	3SU1031-0AB70-0AA0		1	1 unit
			<hr/>					
 3SU1031-0AA50-0AA0		Latching Push to unlatch	Red	▶	3SU1031-0AA20-0AA0		1	1 unit
			Yellow	▶	3SU1031-0AA30-0AA0		1	1 unit
			Green	▶	3SU1031-0AA40-0AA0		1	1 unit
			Blue	▶	3SU1031-0AA50-0AA0		1	1 unit
			White	▶	3SU1031-0AA60-0AA0		1	1 unit
			Clear	▶	3SU1031-0AA70-0AA0		1	1 unit
<hr/>								
 3SU1031-0BB40-0AA0	Illuminated pushbuttons with raised button Standard	Momentary contact	Red	▶	3SU1031-0BB20-0AA0		1	1 unit
			Yellow	▶	3SU1031-0BB30-0AA0		1	1 unit
			Green	▶	3SU1031-0BB40-0AA0		1	1 unit
			Blue	▶	3SU1031-0BB50-0AA0		1	1 unit
			Clear	▶	3SU1031-0BB70-0AA0	3	1	1 unit
<hr/>								
 3SU1031-0CB20-0AA0	Pushbuttons with flat button NEW Raised	Momentary contact	Red	25	3SU1031-0CB20-0AA0		1	100 units
			Green	25	3SU1031-0CB40-0AA0		1	100 units







Twin pushbuttons

Selection and ordering data

Version of actuating element	Operating principle	Color	Marking Symbol No.	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*		
Twin pushbuttons										
 <p>3SU1030-3AB66-0AN0</p>	Twin pushbuttons flat, flat	Momentary contact	Green/Red	-- "I"/"O"	3		1	1 unit		
			White/Black	-- "I"/"O"	3			3SU1030-3AB42-0AA0 3SU1030-3AB42-0AK0	1	1 unit
			White/Black	-- "I"/"O"	3			3SU1030-3AB61-0AA0 3SU1030-3AB61-0AK0	1	1 unit
			White/White	-- Arrows, vert.	3 5			3SU1030-3AB66-0AA0 3SU1030-3AB66-0AN0	1	1 unit
			Black/Black	-- ⊙ ○ 5264/5265 (IEC 60417)	3 5			3SU1030-3AB11-0AA0 3SU1030-3AB11-0AQ0	1	1 unit
 <p>3SU1030-3BB42-0AK0</p>	Twin pushbuttons flat, raised	Momentary contact	Green/Red	-- "I"/"O"	3		1	1 unit		
			White/Black	-- "I"/"O"	3			3SU1030-3BB42-0AA0 3SU1030-3BB42-0AK0	1	1 unit
 <p>3SU1031-3AB42-0AN0</p>	Twin pushbuttons flat, flat, illuminated	Momentary contact	Green/Red	-- "I"/"O" Arrows, vert.	3 5		1	1 unit		
			White/Black	-- "I"/"O"	3			3SU1031-3AB42-0AA0 3SU1031-3AB42-0AK0	1	1 unit
			White/White	-- Arrows, vert.	3 5			3SU1031-3AB61-0AA0 3SU1031-3AB61-0AK0	1	1 unit
 <p>3SU1031-3BB61-0AA0</p>	Twin pushbuttons flat, raised, illuminated	Momentary contact	Green/Red	-- "I"/"O"	3		1	1 unit		
			White/Black	-- "I"/"O"	3			3SU1031-3BB42-0AA0 3SU1031-3BB42-0AK0	1	1 unit
			White/Black	-- "I"/"O"	3		1	1 unit		
			White/Black	-- "I"/"O"	3		1	1 unit		







Mushroom pushbuttons

Selection and ordering data

Version of actuating element	Operating principle Unlatching method	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*		
Mushroom pushbuttons									
 Mushroom pushbuttons 30 mm diameter, 2 positions 3SU1030-1AD20-0AA0	Momentary contact	Black Red Yellow Green	▶ ▶ ▶ ▶	3SU1030-1AD10-0AA0 3SU1030-1AD20-0AA0 3SU1030-1AD30-0AA0 3SU1030-1AD40-0AA0		1 1 1 1	1 unit 1 unit 1 unit 1 unit		
	Latching	Black	▶	3SU1030-1AA10-0AA0		1	1 unit		
	Pull to unlatch	Red	▶	3SU1030-1AA20-0AA0		1	1 unit		
	Momentary contact	Black Red Yellow Green	3 3 3 3	▶ ▶ ▶ ▶	3SU1030-1BD10-0AA0 3SU1030-1BD20-0AA0 3SU1030-1BD30-0AA0 3SU1030-1BD40-0AA0		1 1 1 1	1 unit 1 unit 1 unit 1 unit	
	Latching	Black	▶	3SU1030-1BA10-0AA0		1	1 unit		
	Pull to unlatch	Red Red, "O"	▶ 5	3SU1030-1BA20-0AA0 3SU1030-1BA20-0AD0		1 1	1 unit 1 unit		
 Mushroom pushbuttons 40 mm diameter, 2 positions 3SU1030-1BD40-0AA0	Momentary contact	Yellow Green Blue White Clear	5 3 NEW 5 3 5	3SU1031-1AD30-0AA0 3SU1031-1AD40-0AA0 3SU1031-1AD50-0AA0 3SU1031-1AD60-0AA0 3SU1031-1AD70-0AA0		1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit		
	Latching	Red	3	3SU1031-1AA20-0AA0		1	1 unit		
	Pull to unlatch	Yellow	5	3SU1031-1AA30-0AA0		1	1 unit		
	Momentary contact	Yellow Green White Clear	5 5 3 5	▶ ▶ ▶ ▶	3SU1031-1BD30-0AA0 3SU1031-1BD40-0AA0 3SU1031-1BD60-0AA0 3SU1031-1BD70-0AA0		1 1 1 1	1 unit 1 unit 1 unit 1 unit	
	Latching	Red	3	▶	3SU1031-1BA20-0AA0		1	1 unit	
	Pull to unlatch	Yellow	3	▶	3SU1031-1BA30-0AA0		1	1 unit	
 Mushroom pushbuttons 30 mm diameter, 2 positions, illuminated 3SU1031-1AD30-0AA0	Momentary contact	Yellow Green White Clear	5 5 3 5	▶ ▶ ▶ ▶	3SU1031-1BD30-0AA0 3SU1031-1BD40-0AA0 3SU1031-1BD60-0AA0 3SU1031-1BD70-0AA0		1 1 1 1	1 unit 1 unit 1 unit 1 unit	
	Latching	Red	3	▶	3SU1031-1BA20-0AA0		1	1 unit	
 Mushroom pushbuttons 40 mm diameter, 2 positions, illuminated 3SU1031-1BD60-0AA0	Momentary contact	Black Blue	▶ 3	3SU1000-1HB10-0AA0 3SU1000-1HB50-0AA0		1 1	1 unit 1 unit		
	Latching	Red	3	▶	3SU1031-1BA20-0AA0		1	1 unit	
 Mushroom pushbuttons 40 mm diameter, 2 positions 3SU1000-1HB50-0AA0	With positive latching	Black	NEW 5	▶	3SU1000-1HG10-0AA0		1	1 unit	
	Rotate to unlatch	Blue	3	▶	3SU1000-1HB50-0AA0		1	1 unit	
 Mushroom pushbuttons 40 mm diameter, 2 positions RONIS SB30 3SU1000-1HG10-0AA0	With positive latching	Black	NEW 5	X	▶	3SU1000-1JB10-0AA0		1	1 unit
	Key-operated release	Black	NEW X	X	▶	3SU1000-1JB10-0AA0		1	1 unit
 Mushroom pushbuttons, 60 mm diameter, 2 positions RONIS SB30 3SU1000-1JB10-0AA0	With positive latching	Black	NEW X	X	▶	3SU1000-1JB10-0AA0		1	1 unit
	Rotate to unlatch	Black	NEW X	X	▶	3SU1000-1JB10-0AA0		1	1 unit

EMERGENCY STOP Mushroom pushbuttons

Selection and ordering data

Version of actuating element	Outer diameter of mushroom mm	Make of lock	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
EMERGENCY STOP mushroom pushbuttons								
With pull-to-unlatch mechanism								
 3SU1000-1HA20-0AA0	40	--	Red	▶	3SU1000-1HA20-0AA0		1	1 unit
With rotate-to-unlatch mechanism								
 3SU1000-1GB20-0AA0	33.8	--	Red	▶	3SU1000-1GB20-0AA0		1	1 unit
 3SU1000-1HB20-0AA0	40	--	Red	▶	3SU1000-1HB20-0AA0		1	1 unit
 3SU1000-1JB20-0AA0	60	--	Red	▶	3SU1000-1JB20-0AA0		1	1 unit
 3SU1000-1LB20-0AA0	40	--	Red NEW	▶	3SU1000-1LB20-0AA0		1	1 unit
With rotate-to-unlatch mechanism, can be illuminated								
 3SU1001-1GB20-0AA0	33.8	--	Red	▶	3SU1001-1GB20-0AA0		1	1 unit
	40	--	Red	▶	3SU1001-1HB20-0AA0		1	1 unit
	60	--	Red	▶	3SU1001-1JB20-0AA0		1	1 unit

EMERGENCY STOP mushroom pushbuttons / toggle switches

Version of actuating element	Outer diameter of mushroom mm	Make of lock	Color	Number of keys	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
------------------------------	----------------------------------	--------------	-------	----------------	---------	-------------	--------------	-------------------	-----

EMERGENCY STOP mushroom pushbuttons

With key-operated release



3SU1000-1HF20-0AA0

With positive latching, 2 positions

40

RONIS SB30
RONIS 455

Red 2
Red 2

2
3

▶
▶

3SU1000-1HF20-0AA0
3SU1000-1HG20-0AA0

1 1 unit
1 1 unit



3SU1000-1HK20-0AA0

BKS S1
BKS E7
BKS E9

Red 2
Red 0
Red 0

2
3
3

▶
▶
▶

3SU1000-1HK20-0AA0
3SU1000-1HM20-0AA0
3SU1000-1HN20-0AA0

1 1 unit
1 1 unit
1 1 unit



3SU1000-1HQ20-0AA0

O.M.R. 73037

Red 2

2

▶

3SU1000-1HQ20-0AA0

1 1 unit



3SU1000-1HR20-0AA0

CES SSG10
CES SSP9
CES SMS1

Red 2
Red 2
Red 2

2
2
3

▶
▶
▶

3SU1000-1HR20-0AA0
3SU1000-1HS20-0AA0
3SU1000-1HT20-0AA0

1 1 unit
1 1 unit
1 1 unit

Selection and ordering data

Number of switching positions	Number of command points	Color of actuating element	Operating principle of the actuating element	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Toggle switches



3SU1030-3EA10-0AA0

2

1

Black

Latching
Momentary contact, reset from above

3
5

▶
▶

3SU1030-3EA10-0AA0
3SU1030-3EC10-0AA0

1 1 unit
1 1 unit

Selector switches

Selection and ordering data

Version of actuating element	Operating principle	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Selector switches							
2 switch positions, can be illuminated							
 Selector, short black actuator	Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	Black	3	3SU1032-2BC10-0AA0		1	1 unit
		Red	▶	3SU1032-2BC20-0AA0		1	1 unit
		Yellow	▶	3SU1032-2BC30-0AA0		1	1 unit
		Green	▶	3SU1032-2BC40-0AA0		1	1 unit
		Blue	▶	3SU1032-2BC50-0AA0		1	1 unit
		White	▶	3SU1032-2BC60-0AA0		1	1 unit
3SU1032-2BC40-0AA0							
 Selector, long black actuator	Latching, 90° (10:30/1:30 o'clock) 	Black	▶	3SU1032-2BF10-0AA0		1	1 unit
		Red	▶	3SU1032-2BF20-0AA0		1	1 unit
		Yellow	▶	3SU1032-2BF30-0AA0		1	1 unit
		Green	▶	3SU1032-2BF40-0AA0		1	1 unit
		Blue	▶	3SU1032-2BF50-0AA0		1	1 unit
		White	▶	3SU1032-2BF60-0AA0		1	1 unit
3SU1032-2BF30-0AA0							
 Selector, long black actuator	Latching, 90° (10:30/1:30 o'clock) 	Black	3	3SU1032-2CF10-0AA0		1	1 unit
		Red	3	3SU1032-2CF20-0AA0		1	1 unit
		White	3	3SU1032-2CF60-0AA0		1	1 unit
3SU1032-2CF60-0AA0							
 Rotary knob	Latching, 90° (10:30/1:30 o'clock) 	Red	3	3SU1032-2AF20-0AA0		1	1 unit
		White	▶	3SU1032-2AF60-0AA0		1	1 unit
3SU1032-2AF20-0AA0							

Selector switches

Version of actuating element	Operating principle	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Selector switches

3 switch positions, can be illuminated



3SU1032-2BM60-0AA0

Selector, short black actuator

Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right



- ▶ Black
- ▶ Red
- ▶ Yellow
- ▶ Green
- ▶ Blue
- ▶ White

- ▶ 3SU1032-2BM10-0AA0
- ▶ 3SU1032-2BM20-0AA0
- ▶ 3SU1032-2BM30-0AA0
- ▶ 3SU1032-2BM40-0AA0
- ▶ 3SU1032-2BM50-0AA0
- ▶ 3SU1032-2BM60-0AA0

- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit



3SU1032-2BL20-0AA0

Latching, 2x45° (10:30/12/1:30 o'clock)



- ▶ Black
- ▶ Red
- ▶ Yellow
- ▶ Green
- ▶ Blue
- ▶ White

- ▶ 3SU1032-2BL10-0AA0
- ▶ 3SU1032-2BL20-0AA0
- ▶ 3SU1032-2BL30-0AA0
- ▶ 3SU1032-2BL40-0AA0
- ▶ 3SU1032-2BL50-0AA0
- ▶ 3SU1032-2BL60-0AA0

- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit



3SU1032-2BP40-0AA0

Momentary contact/latching, 2x45° (10:30/12/1:30 o'clock), reset from left, latching to the right



- ▶ Black
- ▶ Red
- ▶ Yellow
- ▶ Green
- ▶ Blue
- ▶ White

- ▶ 3SU1032-2BP10-0AA0
- ▶ 3SU1032-2BP20-0AA0
- ▶ 3SU1032-2BP30-0AA0
- ▶ 3SU1032-2BP40-0AA0
- ▶ 3SU1032-2BP50-0AA0
- ▶ 3SU1032-2BP60-0AA0

- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit



3SU1032-2BN30-0AA0

Latching/momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from right, latching to the left



- ▶ Black
- ▶ Red
- ▶ Yellow
- ▶ Green
- ▶ Blue
- ▶ White

- ▶ 3SU1032-2BN10-0AA0
- ▶ 3SU1032-2BN20-0AA0
- ▶ 3SU1032-2BN30-0AA0
- ▶ 3SU1032-2BN40-0AA0
- ▶ 3SU1032-2BN50-0AA0
- ▶ 3SU1032-2BN60-0AA0

- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit
- ▶ 1 1 unit

4 switch positions



3SU1030-2AS60-0AA0

Rotary knob

Latching, 4x90° (3/6/9/12 o'clock)



White

3

3SU1030-2AS60-0AA0

1 1 unit

Key-operated switches

Selection and ordering data

Operating principle	Make of lock	Switch position for key removal	Number of keys	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Key-operated switches

2 switch positions



Momentary contact, 45° (10:30/12 o'clock), reset from center to left



3SU1030-4BC01-0AA0

CES, SSG10
CES, LSG1
BKS, S1
IKON, 360012K1



Latching, 90° (10:30/1:30 o'clock)



3SU1030-4BF01-0AA0



3SU1030-4FF01-0AA0



3SU1030-5BF01-0AA0



3SU1030-5PF01-0AA0

RONIS, SB30	O	2	▶	3SU1030-4BC01-0AA0	1	1 unit
RONIS, 455	O	2	5	3SU1030-4CC01-0AA0	1	1 unit
O.M.R. 73037, red	O	2	3	3SU1030-4FC01-0AA0	1	1 unit
O.M.R. 73038, light blue	O	2	5	3SU1030-4GC01-0AA0	1	1 unit
O.M.R. 73034, black	O	2	5	3SU1030-4HC01-0AA0	1	1 unit
O.M.R. 73033, yellow	O	2	3	3SU1030-4JC01-0AA0	1	1 unit
CES, SSG10	O	2	▶	3SU1030-5BC01-0AA0	1	1 unit
CES, LSG1	O	2	3	3SU1030-5HC01-0AA0	1	1 unit
BKS, S1	O	2	▶	3SU1030-5PC01-0AA0	1	1 unit
IKON, 360012K1	O	2	3	3SU1030-5XC01-0AA0	1	1 unit
RONIS, SB30	O	2	▶	3SU1030-4BF01-0AA0	1	1 unit
	O+I	2	▶	3SU1030-4BF11-0AA0	1	1 unit
	I	2	3	3SU1030-4BF21-0AA0	1	1 unit
RONIS, 455	O	2	3	3SU1030-4CF01-0AA0	1	1 unit
	O+I	2	5	3SU1030-4CF11-0AA0	1	1 unit
O.M.R. 73037, red	O	2	3	3SU1030-4FF01-0AA0	1	1 unit
	O+I	2	3	3SU1030-4FF11-0AA0	1	1 unit
O.M.R. 73038, light blue	O	2	3	3SU1030-4GF01-0AA0	1	1 unit
	O+I	2	3	3SU1030-4GF11-0AA0	1	1 unit
O.M.R. 73034, black	O	2	3	3SU1030-4HF01-0AA0	1	1 unit
	O+I	2	3	3SU1030-4HF11-0AA0	1	1 unit
	I	2	5	3SU1030-4HF21-0AA0	1	1 unit
O.M.R. 73033, yellow	O	2	3	3SU1030-4JF01-0AA0	1	1 unit
	O+I	2	5	3SU1030-4JF11-0AA0	1	1 unit
CES, SSG10	O	2	▶	3SU1030-5BF01-0AA0	1	1 unit
	O+I	2	▶	3SU1030-5BF11-0AA0	1	1 unit
	I	2	3	3SU1030-5BF21-0AA0	1	1 unit
CES, LSG1	O	2	3	3SU1030-5HF01-0AA0	1	1 unit
	O+I	2	3	3SU1030-5HF11-0AA0	1	1 unit
BKS, S1	O	2	3	3SU1030-5PF01-0AA0	1	1 unit
	O+I	2	3	3SU1030-5PF11-0AA0	1	1 unit
	I	2	5	3SU1030-5PF21-0AA0	1	1 unit
BKS, E1	O	0	3	3SU1030-5QF01-0AA0	1	1 unit
	O+I	0	5	3SU1030-5QF11-0AA0	1	1 unit
BKS, E2	O	0	▶	3SU1030-5RF01-0AA0	1	1 unit
	O+I	0	3	3SU1030-5RF11-0AA0	1	1 unit
BKS, E7	O	0	▶	3SU1030-5SF01-0AA0	1	1 unit
	O+I	0	▶	3SU1030-5SF11-0AA0	1	1 unit
BKS, E9	O	0	3	3SU1030-5TF01-0AA0	1	1 unit
	O+I	0	3	3SU1030-5TF11-0AA0	1	1 unit
IKON, 360012K1	O	2	▶	3SU1030-5XF01-0AA0	1	1 unit
	O+I	2	3	3SU1030-5XF11-0AA0	1	1 unit

Key-operated switches

Operating principle	Make of lock	Switch position for key removal	Number of keys	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Key-operated switches

3 switch positions



3SU1030-4BM01-0AA0

Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right



Latching, 2x45° (10:30/12/1:30 o'clock)



3SU1030-4JL11-0AA0



3SU1030-5BL41-0AA0



3SU1030-5PL01-0AA0

Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right	RONIS, SB30	O	2	3	3SU1030-4BM01-0AA0		1	1 unit	
	O.M.R. 73037, red	O	2	5	3SU1030-4FM01-0AA0		1	1 unit	
	O.M.R. 73034, black	O	2	5	3SU1030-4HM01-0AA0		1	1 unit	
	CES, SSG10	O	2	▶	3SU1030-5BM01-0AA0		1	1 unit	
	BKS, S1	O	2	3	3SU1030-5PM01-0AA0		1	1 unit	
	IKON, 360012K1	O	2	5	3SU1030-5XM01-0AA0		1	1 unit	
	Latching, 2x45° (10:30/12/1:30 o'clock)	RONIS, SB30	O	2	3	3SU1030-4BL01-0AA0		1	1 unit
			I+O+II	2	▶	3SU1030-4BL11-0AA0		1	1 unit
			I	2	5	3SU1030-4BL21-0AA0		1	1 unit
			II	2	3	3SU1030-4BL31-0AA0		1	1 unit
		I+II	2	5	3SU1030-4BL41-0AA0		1	1 unit	
		O+I	2	3	3SU1030-4BL51-0AA0		1	1 unit	
RONIS, 455		O	2	5	3SU1030-4CL01-0AA0		1	1 unit	
		I+O+II	2	5	3SU1030-4CL11-0AA0		1	1 unit	
O.M.R. 73037, red		O	2	5	3SU1030-4FL01-0AA0		1	1 unit	
		O+I	2	5	3SU1030-4FL51-0AA0		1	1 unit	
O.M.R. 73038, light blue	O	2	5	3SU1030-4GL01-0AA0		1	1 unit		
	I+O+II	2	3	3SU1030-4GL11-0AA0		1	1 unit		
O.M.R. 73034, black	O	2	5	3SU1030-4HL01-0AA0		1	1 unit		
	I+O+II	2	3	3SU1030-4HL11-0AA0		1	1 unit		
O.M.R. 73033, yellow	I+O+II	2	5	3SU1030-4JL11-0AA0		1	1 unit		
CES, SSG10	O	2	3	3SU1030-5BL01-0AA0		1	1 unit		
	I+O+II	2	▶	3SU1030-5BL11-0AA0		1	1 unit		
	I	2	3	3SU1030-5BL21-0AA0		1	1 unit		
	II	2	3	3SU1030-5BL31-0AA0		1	1 unit		
	I+II	2	3	3SU1030-5BL41-0AA0		1	1 unit		
	O+I	2	5	3SU1030-5BL51-0AA0		1	1 unit		
BKS, S1	O	2	5	3SU1030-5PL01-0AA0		1	1 unit		
	I+O+II	2	3	3SU1030-5PL11-0AA0		1	1 unit		
	I	2	3	3SU1030-5PL21-0AA0		1	1 unit		
	II	2	5	3SU1030-5PL31-0AA0		1	1 unit		
	I+II	2	5	3SU1030-5PL41-0AA0		1	1 unit		
	BKS, E2	I+O+II	0	5	3SU1030-5RL11-0AA0		1	1 unit	
BKS, E9	I+O+II	0	5	3SU1030-5TL11-0AA0		1	1 unit		
IKON, 360012K1	O	2	5	3SU1030-5XL01-0AA0		1	1 unit		
	I+O+II	2	5	3SU1030-5XL11-0AA0		1	1 unit		

3SU1 22 mm, Plastic with Metal Front Ring, Matte — Actuating and Signaling Elements

Key-operated switches /

Operating principle	Make of lock	Switch position for key removal	Number of keys	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Key-operated switches



3SU1030-4BP01-0AA0

3 switch positions

Momentary contact/latching, 2x45° (10:30/12/1:30 o'clock), reset from left, latching to the right



RONIS, SB30	O	2	5	3SU1030-4BP01-0AA0	1	1 unit
	II	2	5	3SU1030-4BP31-0AA0	1	1 unit
	O+II	2	5	3SU1030-4BP61-0AA0	1	1 unit
CES, SSG10	O	2	3	3SU1030-5BP01-0AA0	1	1 unit
	II	2	5	3SU1030-5BP31-0AA0	1	1 unit
	O+II	2	3	3SU1030-5BP61-0AA0	1	1 unit

BKS, S1	O	2	3	3SU1030-5PP01-0AA0	1	1 unit
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Latching/momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from right, latching to the left



RONIS, SB30	O	2	5	3SU1030-4BN01-0AA0	1	1 unit
	I	2	5	3SU1030-4BN21-0AA0	1	1 unit
	O+I	2	5	3SU1030-4BN51-0AA0	1	1 unit

O.M.R. 73038, light blue	O	2	5	3SU1030-4GN01-0AA0	1	1 unit
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O.M.R. 73034, black	I	2	5	3SU1030-4HN21-0AA0	1	1 unit
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CES, SSG10	O	2	3	3SU1030-5BN01-0AA0	1	1 unit
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I	2	3	3SU1030-5BN21-0AA0	1	1 unit
---	---	---	---------------------------	---	--------

O+I	2	3	3SU1030-5BN51-0AA0	1	1 unit
-----	---	---	---------------------------	---	--------



3SU1030-5BN01-0AA0

BKS, S1	I	2	5	3SU1030-5PN21-0AA0	1	1 unit
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O+I	2	5	3SU1030-5PN51-0AA0	1	1 unit
-----	---	---	---------------------------	---	--------

IKON, 360012K1	O+I	2	5	3SU1030-5XN51-0AA0	1	1 unit
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Selection and ordering data

Operating angle	Operating principle	Switch position for key removal	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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ID key-operated switches

4 switch positions

45°

Latching

Key removal possible in all 4 positions

Black



3SU1030-4WS10-0AA0

1 1 unit



3SU1030-4WS10-0AA0

For ID keys, see page 10/159.

For electronic modules for ID key-operated switches, see page 10/120.



For plastic holders for ID key-operated switches, see page 10/110.

Note:



ID Key Switches requires the use of a plastic holder only! Purchase **3SU1500-0AA10-0AA0** Holder Separately.

Indicator lights

Selection and ordering data

Product function Locking in zero position	Number of switching positions	Operating principle	Direction of actuation	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Coordinate switches								
 3SU1030-7AA10-0AA0  3SU1030-7BA10-0AA0	No	2	Momentary contact	Horizontal Vertical	▶ ▶			
			Latching	Horizontal Vertical	▶ ▶			
		4	Momentary contact	Horizontal/ Vertical	▶			
			Latching	Horizontal/ Vertical	▶			
	Yes	2	Momentary contact	Horizontal Vertical	▶ ▶			
			Latching	Horizontal Vertical	▶ ▶			
		4	Momentary contact	Horizontal/ Vertical	▶			
			Latching	Horizontal/ Vertical	▶			

Selection and ordering data

Type of product	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Indicator lights						
 3SU1001-6AA20-0AA0	With smooth lens	Amber	▶			
		Red	▶			
		Yellow	▶			
		Green	▶			
		Blue	▶			
		White	▶			
		Clear	▶			
Indicator lights in illuminated pushbutton design						
 3SU1031-0AD50-0AA0	--	Red	3			
		Yellow	5			
		Green	3			
		Blue	5			
		Clear	3			

3SU1 22 mm, Metal, Shiny — Complete Units

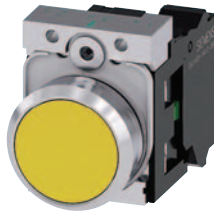
Pushbuttons

Selection and ordering data

Supply voltage for light source		Color	Number of			SD	Screw terminals	PU (UNIT, SET, M)	PS*
at AC	at DC		Contact modules	NO contacts	NC contacts				
V	V					Article No.	Price per PU		

Pushbuttons

Pushbuttons with flat button, momentary contact



3SU1150-0AB30-1BA0

--	--	Black	1	1	0	▶	3SU1150-0AB10-1BA0	1	1 unit
				0	1	▶	3SU1150-0AB10-1CA0	1	1 unit
				1	1	▶	3SU1150-0AB10-1FA0	1	1 unit
		Red	1	1	0	▶	3SU1150-0AB20-1BA0	1	1 unit
				0	1	▶	3SU1150-0AB20-1CA0	1	1 unit
				1	1	▶	3SU1150-0AB20-1FA0	1	1 unit
		Yellow	1	1	0	▶	3SU1150-0AB30-1BA0	1	1 unit
				1	1	▶	3SU1150-0AB30-1FA0	1	1 unit
		Green	1	1	0	▶	3SU1150-0AB40-1BA0	1	1 unit
				1	1	▶	3SU1150-0AB40-1FA0	1	1 unit
		Blue	1	1	0	▶	3SU1150-0AB50-1BA0	1	1 unit
				1	1	▶	3SU1150-0AB50-1FA0	1	1 unit
		White	1	1	0	▶	3SU1150-0AB60-1BA0	1	1 unit
				1	1	▶	3SU1150-0AB60-1FA0	1	1 unit
		Clear	1	1	0	▶	3SU1150-0AB70-1BA0	1	1 unit
				1	1	▶	3SU1150-0AB70-1FA0	1	1 unit

Pushbuttons with raised button, momentary contact



3SU1150-0BB20-1CA0

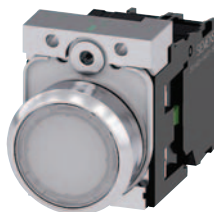
--	--	Black	1	1	0	5	3SU1150-0BB10-1BA0	1	1 unit
				0	1	5	3SU1150-0BB10-1CA0	1	1 unit
				1	1	5	3SU1150-0BB10-1FA0	1	1 unit
		Red	1	0	1	3	3SU1150-0BB20-1CA0	1	1 unit
				1	1	5	3SU1150-0BB20-1FA0	1	1 unit
		Green	1	1	1	5	3SU1150-0BB40-1FA0	1	1 unit
		Blue	1	1	0	5	3SU1150-0BB50-1BA0	1	1 unit
				1	1	5	3SU1150-0BB50-1FA0	1	1 unit

Illuminated pushbuttons with flat button, momentary contact, with integrated LED



3SU1152-0AB50-1BA0

24	24	Amber	1	1	0	5	3SU1152-0AB00-1BA0	1	1 unit
				1	1	5	3SU1152-0AB00-1FA0	1	1 unit
		Red	1	0	1	▶	3SU1152-0AB20-1CA0	1	1 unit
				1	1	▶	3SU1152-0AB20-1FA0	1	1 unit
		Yellow	1	1	0	▶	3SU1152-0AB30-1BA0	1	1 unit
				1	1	▶	3SU1152-0AB30-1FA0	1	1 unit
		Green	1	1	0	▶	3SU1152-0AB40-1BA0	1	1 unit
				1	1	▶	3SU1152-0AB40-1FA0	1	1 unit
		Blue	1	1	0	▶	3SU1152-0AB50-1BA0	1	1 unit
				1	1	▶	3SU1152-0AB50-1FA0	1	1 unit
		White	1	1	0	▶	3SU1152-0AB60-1BA0	1	1 unit
				1	1	▶	3SU1152-0AB60-1FA0	1	1 unit
		Clear	1	1	0	▶	3SU1152-0AB70-1BA0	1	1 unit
				1	1	▶	3SU1152-0AB70-1FA0	1	1 unit






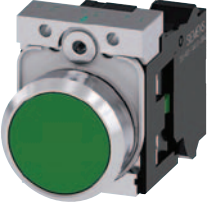

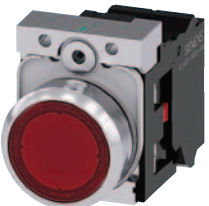


3SU1153-0AB60-1BA0

110	--	Amber	1	1	0	5	3SU1153-0AB00-1BA0	1	1 unit
				1	1	5	3SU1153-0AB00-1FA0	1	1 unit
		Red	1	0	1	5	3SU1153-0AB20-1CA0	1	1 unit
				1	1	5	3SU1153-0AB20-1FA0	1	1 unit
		Yellow	1	1	0	5	3SU1153-0AB30-1BA0	1	1 unit
				1	1	5	3SU1153-0AB30-1FA0	1	1 unit
		Green	1	1	0	3	3SU1153-0AB40-1BA0	1	1 unit
				1	1	5	3SU1153-0AB40-1FA0	1	1 unit
		Blue	1	1	0	5	3SU1153-0AB50-1BA0	1	1 unit
				1	1	5	3SU1153-0AB50-1FA0	1	1 unit
		White	1	1	0	5	3SU1153-0AB60-1BA0	1	1 unit
				1	1	5	3SU1153-0AB60-1FA0	1	1 unit
		Clear	1	1	0	5	3SU1153-0AB70-1BA0	1	1 unit
				1	1	5	3SU1153-0AB70-1FA0	1	1 unit

230	--	Amber	1	1	0	5	3SU1156-0AB00-1BA0	1	1 unit
				1	1	5	3SU1156-0AB00-1FA0	1	1 unit
		Red	1	0	1	5	3SU1156-0AB20-1CA0	1	1 unit
				1	1	5	3SU1156-0AB20-1FA0	1	1 unit
		Yellow	1	1	0	5	3SU1156-0AB30-1BA0	1	1 unit
				1	1	5	3SU1156-0AB30-1FA0	1	1 unit
		Green	1	1	0	3	3SU1156-0AB40-1BA0	1	1 unit
				1	1	5	3SU1156-0AB40-1FA0	1	1 unit

3SU1 22 mm, Metal, Shiny — Complete Units

Pushbuttons

	Supply voltage for light source		Color	Number of			SD	Screw terminals 	PU (UNIT, SET, M)	PS*			
	at AC	at DC		Contact modules	NO contacts	NC contacts							
	V	V					Article No.	Price per PU					
Pushbuttons													
	230	--	Blue	1	1	0	5	3SU1156-0AB50-1BA0		1	1 unit		
				1	1	1	5					3SU1156-0AB50-1FA0	1
			White	1	1	0	5	3SU1156-0AB60-1BA0		1	1 unit		
				1	1	1	5					3SU1156-0AB60-1FA0	1
			Clear	1	1	0	5	3SU1156-0AB70-1BA0		1	1 unit		
				1	1	1	5					3SU1156-0AB70-1FA0	1
								Spring-type terminals 					
Pushbuttons with flat button, momentary contact													
	--	--	Black	1	1	0	5	3SU1150-0AB10-3BA0		1	1 unit		
				0	1	5	3SU1150-0AB10-3CA0					1	1 unit
				1	1	5	3SU1150-0AB10-3FA0					1	1 unit
			Red	1	1	0	5	3SU1150-0AB20-3CA0		1	1 unit		
				0	1	5	3SU1150-0AB20-3FA0					1	1 unit
			Yellow	1	1	0	5	3SU1150-0AB30-3BA0		1	1 unit		
				1	1	1	5					3SU1150-0AB30-3FA0	1
			Green	1	1	0	5	3SU1150-0AB40-3BA0		1	1 unit		
				1	1	1	5					3SU1150-0AB40-3FA0	1
			Blue	1	1	0	5	3SU1150-0AB50-3BA0		1	1 unit		
				1	1	1	5					3SU1150-0AB50-3FA0	1
			White	1	1	0	5	3SU1150-0AB60-3BA0		1	1 unit		
1	1	1		5	3SU1150-0AB60-3FA0	1	1 unit						
Pushbuttons with raised button, momentary contact													
	--	--	Red	1	0	1	5	3SU1150-0BB20-3CA0		1	1 unit		
Illuminated pushbuttons with flat button, momentary contact, with integrated LED													
	24	24	Red	1	0	1	5	3SU1152-0AB20-3CA0		1	1 unit		
				1	1	5	3SU1152-0AB20-3FA0					1	1 unit
			Yellow	1	1	0	5	3SU1152-0AB30-3BA0		1	1 unit		
				1	1	1	5					3SU1152-0AB30-3FA0	1
			Green	1	1	0	5	3SU1152-0AB40-3BA0		1	1 unit		
				1	1	3	3					3SU1152-0AB40-3FA0	1
			Blue	1	1	0	5	3SU1152-0AB50-3BA0		1	1 unit		
				1	1	1	5					3SU1152-0AB50-3FA0	1
			White	1	1	0	3	3SU1152-0AB60-3BA0		1	1 unit		
				1	1	1	5					3SU1152-0AB60-3FA0	1
			Clear	1	1	0	5	3SU1152-0AB70-3BA0		1	1 unit		
				1	1	1	5					3SU1152-0AB70-3FA0	1
	110	--	Red	1	0	1	5	3SU1153-0AB20-3CA0		1	1 unit		
				1	1	5	3SU1153-0AB20-3FA0					1	1 unit
			Yellow	1	1	0	5	3SU1153-0AB30-3BA0		1	1 unit		
				1	1	1	5					3SU1153-0AB30-3FA0	1
			Green	1	1	0	5	3SU1153-0AB40-3BA0		1	1 unit		
				1	1	1	5					3SU1153-0AB40-3FA0	1
			Blue	1	1	0	5	3SU1153-0AB50-3BA0		1	1 unit		
				1	1	1	5					3SU1153-0AB50-3FA0	1
			White	1	1	0	5	3SU1153-0AB60-3BA0		1	1 unit		
				1	1	1	5					3SU1153-0AB60-3FA0	1
			Clear	1	1	0	5	3SU1153-0AB70-3BA0		1	1 unit		
				1	1	1	5					3SU1153-0AB70-3FA0	1
	230	--	Red	1	0	1	5	3SU1156-0AB20-3CA0		1	1 unit		
				1	1	5	3SU1156-0AB20-3FA0					1	1 unit
			Yellow	1	1	0	5	3SU1156-0AB30-3BA0		1	1 unit		
				1	1	1	5					3SU1156-0AB30-3FA0	1
			Green	1	1	0	5	3SU1156-0AB40-3BA0		1	1 unit		
				1	1	1	5					3SU1156-0AB40-3FA0	1
			Blue	1	1	0	5	3SU1156-0AB50-3BA0		1	1 unit		
				1	1	1	5					3SU1156-0AB50-3FA0	1
			White	1	1	0	5	3SU1156-0AB60-3BA0		1	1 unit		
				1	1	1	5					3SU1156-0AB60-3FA0	1
			Clear	1	1	0	5	3SU1156-0AB70-3BA0		1	1 unit		
				1	1	1	5					3SU1156-0AB70-3FA0	1

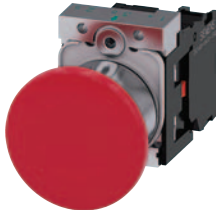
3SU1 22 mm, Metal, Shiny — Complete Units

Mushroom pushbuttons / EMERGENCY STOP mushroom pushbuttons

Selection and ordering data

Unlatching method	Number of Contact modules		SD	Screw terminals	PU (UNIT, SET, M)	PS*
	NO contacts	NC contacts				
			d	Article No.	Price per PU	

Mushroom pushbuttons



3SU1150-1BA20-1CA0

With red mushroom, diameter 40 mm, latching

Pull to unlatch	1	0	1	▶	3SU1150-1BA20-1CA0 3SU1150-1BA20-1FA0	1	1 unit
		1	1	3		1	1 unit
Spring-type terminals							
Pull to unlatch	1	0	1	5	3SU1150-1BA20-3CA0 3SU1150-1BA20-3FA0	1	1 unit
		1	1	5		1	1 unit

Selection and ordering data

Unlatching method	Number of Contact modules		Marking	SD	Screw terminals	PU (UNIT, SET, M)	PS*
	NO contacts	NC contacts					
				d	Article No.	Price per PU	

EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5



3SU1150-1HB20-1CH0

With red mushroom, diameter 40 mm, with positive latching

Pull to unlatch	1	0	1	EMERGENCY STOP ⊕	5	3SU1150-1HA20-1CG0 3SU1150-1HA20-1CH0 3SU1150-1HA20-1FG0 3SU1150-1HA20-1FH0	1	1 unit
	1	0	1	NOT-HALT ⊕	5		1	1 unit
		1	1	EMERGENCY STOP ⊕	5		1	1 unit
		1	1	NOT-HALT ⊕	5		1	1 unit
Rotate to unlatch	1	0	1	EMERGENCY STOP ⊕	3	3SU1150-1HB20-1CG0 3SU1150-1HB20-1CH0 3SU1150-1HB20-1FG0 3SU1150-1HB20-1FH0	1	1 unit
	1	0	1	NOT-HALT ⊕ ▶	▶		1	1 unit
		1	1	EMERGENCY STOP ⊕	5		1	1 unit
		1	1	NOT-HALT ⊕ ▶	▶		1	1 unit
Spring-type terminals								
Pull to unlatch	1	0	1	NOT-HALT ⊕	5	3SU1150-1HA20-3CH0 3SU1150-1HA20-3FH0 3SU1150-1HA20-3PH0	1	1 unit
	2	0	2	NOT-HALT ⊕	5		1	1 unit
	2	0	2	NOT-HALT ⊕	5		1	1 unit
Rotate to unlatch	1	0	1	NOT-HALT ⊕	5	3SU1150-1HB20-3CH0 3SU1150-1HB20-3FH0 3SU1150-1HB20-3PH0	1	1 unit
	2	0	2	NOT-HALT ⊕	5		1	1 unit
	2	0	2	NOT-HALT ⊕	5		1	1 unit

Illuminated EMERGENCY STOP with integrated LED light module, Rated 24-240V AC/DC

Red button, yellow backing plate, self-adhesive label with text:								
Rotate to unlatch	2	1	1	EMERGENCY STOP	5	A6X30120577	1	1 unit
Red button, yellow backing plate, self-adhesive label with text:								
Rotate to unlatch	2	1	2	EMERGENCY STOP	5	A6X30120587	1	1 unit
Red button, installed-monitoring contact modules, yellow backing plate, self-adhesive label with text								
Rotate to unlatch	2	0	2 MC	EMERGENCY STOP	5	A6X30120588	1	1 unit

⊕ Positive opening according to IEC 60947-5-1, Annex K. Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.

Certificate:



3SU1 22 mm, Metal, Shiny — Complete Units

Selector switches / key-operated switches

Un-latching method	Supply voltage for light source		Number of			Marking	SD	Screw terminals	PU (UNIT, SET, M)	PS*
	at AC	at DC	Contact modules	NO contacts	NC contacts					
	V	V					d	Article No.	Price per PU	

ILLUMINATED EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5 NEW



3SU1158-1HB20-1PT0

With red mushroom, diameter 40 mm, with positive latching

Rotate to unlatch 24 ... 240 24 ... 240 1 0 2 EMERGENCY STOP ⊕ 5

3SU1158-1HB20-1PT0	1	1 unit
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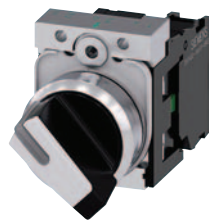
⊕ Positive opening according to IEC 60947-5-1, Annex K.
Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.
Certificate:



Selection and ordering data

Operating principle	Color	Number of			SD	Screw terminals	PU (UNIT, SET, M)	PS*
		Contact modules	NO contacts	NC contacts				
					d	Article No.	Price per PU	

Selector switches



3SU1150-2BF60-1BA0

Short black actuator, 2 switch positions

Latching, 90° White 1 1 0 3 3SU1150-2BF60-1BA0 1 1 unit
 1 1 1 3 3SU1150-2BF60-1FA0 1 1 unit
 2 1 1 3 3SU1150-2BF60-1MA0 1 1 unit

Short black actuator, 3 switch positions (I - O - II)

Momentary contact, 2x45°, reset from left + right White 2 2 2 3 3SU1150-2BM60-1LA0 1 1 unit
 2 2 0 3 3SU1150-2BM60-1NA0 1 1 unit

Latching, 2x45° White 2 2 2 3 3SU1150-2BL60-1LA0 1 1 unit
 2 2 0 3 3SU1150-2BL60-1NA0 1 1 unit

Spring-type terminals



3SU1150-2BL60-3NA0

Short black actuator, 2 switch positions

Latching, 90° White 1 1 0 5 3SU1150-2BF60-3BA0 1 1 unit
 2 1 1 5 3SU1150-2BF60-3MA0 1 1 unit

Short black actuator, 3 switch positions


Momentary contact, 2x45°, reset from left + right White 2 2 2 5 3SU1150-2BM60-3LA0 1 1 unit
 2 2 0 5 3SU1150-2BM60-3NA0 1 1 unit

Latching, 2x45° White 2 2 2 5 3SU1150-2BL60-3LA0 1 1 unit
 2 2 0 5 3SU1150-2BL60-3NA0 1 1 unit

3SU1 22 mm, Metal, Shiny — Complete Units

Coordinate switches



Selection and ordering data

Operating principle	Switch position for key removal	Number of Contact modules			Number of keys	SD	Screw terminals 	PU (UNIT, SET, M)	PS*
		Contact modules	NO contacts	NC contacts					
							Article No.	Price per PU	

Key-operated switches




With RONIS lock, SB30, 2 switch positions

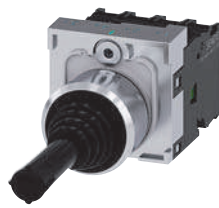
Latching, 90° (10:30/ 1:30 o'clock)	All	1	1	0	2	3	3SU1150-4BF11-1BA0 3SU1150-4BF11-1FA0	1	1 unit	
	All	1	1	1	1	2		3	1	1 unit
	All	1	1	0	2	5	Spring-type terminals  3SU1150-4BF11-3BA0 3SU1150-4BF11-3FA0 3SU1150-4BF01-3PA0	1	1 unit	
	All	1	1	1	1	2		5	1	1 unit
	O	2	0	2	2	5		1	1 unit	

3SU1150-4BF11-1BA0

Selection and ordering data

Number of NO contacts (1 per direction)	Operating principle	Direction of actuation	SD	Screw terminals 	PU (UNIT, SET, M)	PS*

Coordinate switches



Without mechanical interlock, 2 switch positions

2	Momentary contact	Horizontal	5	3SU1150-7AC88-1NA0 3SU1150-7AD88-1NA0	1	1 unit
		Vertical	5		1	1 unit
	Latching	Horizontal	5	3SU1150-7AA88-1NA0 3SU1150-7AB88-1NA0	1	1 unit
		Vertical	5		1	1 unit

Without mechanical interlock, 4 switch positions

4	Momentary contact	Horizontal/Vertical	3	3SU1150-7AF88-1QA0	1	1 unit
		Latching	Horizontal/Vertical		5	1

3SU1150-7AF88-1QA0



With mechanical interlock, 2 switch positions

2	Momentary contact	Horizontal	5	3SU1150-7BC88-1NA0 3SU1150-7BD88-1NA0	1	1 unit
		Vertical	5		1	1 unit
	Latching	Horizontal	5	3SU1150-7BA88-1NA0 3SU1150-7BB88-1NA0	1	1 unit
		Vertical	5		1	1 unit

With mechanical interlock, 4 switch positions





4	Momentary contact	Horizontal/Vertical	5	3SU1150-7BF88-1QA0	1	1 unit
		Latching	Horizontal/Vertical		5	1

3SU1150-7BF88-1QA0

3SU1 22 mm, Metal, Shiny — Complete Units

Indicator lights

Selection and ordering data

Operational voltage		Color		SD	Screw terminals	PU (UNIT, SET, M)	PS*			
at AC, rated value	at DC, rated value	of actuating element	of light source							
V	V			d	Article No.	Price per PU				
Indicator lights										
<i>With smooth lens and integrated LED</i>										
 3SU1152-6AA50-1AA0	24	24	Amber	Amber	5	3SU1152-6AA00-1AA0	1	1 unit		
			Red	Red	▶	3SU1152-6AA20-1AA0	1	1 unit		
			Yellow	Yellow	▶	3SU1152-6AA30-1AA0	1	1 unit		
			Green	Green	▶	3SU1152-6AA40-1AA0	1	1 unit		
			Blue	Blue	3	3SU1152-6AA50-1AA0	1	1 unit		
			White	White	▶	3SU1152-6AA60-1AA0	1	1 unit		
			Clear	White	5	3SU1152-6AA70-1AA0	1	1 unit		
			 3SU1156-6AA60-1AA0	110	--	Amber	Amber	5	3SU1153-6AA00-1AA0	1
Red	Red	▶				3SU1153-6AA20-1AA0	1	1 unit		
Yellow	Yellow	3				3SU1153-6AA30-1AA0	1	1 unit		
Green	Green	▶				3SU1153-6AA40-1AA0	1	1 unit		
Blue	Blue	5				3SU1153-6AA50-1AA0	1	1 unit		
White	White	3				3SU1153-6AA60-1AA0	1	1 unit		
Clear	White	5				3SU1153-6AA70-1AA0	1	1 unit		
 3SU1156-6AA60-1AA0	230	--				Red	Red	▶	3SU1156-6AA20-1AA0	1
			Yellow	Yellow	3	3SU1156-6AA30-1AA0	1	1 unit		
			Green	Green	▶	3SU1156-6AA40-1AA0	1	1 unit		
			Blue	Blue	5	3SU1156-6AA50-1AA0	1	1 unit		
			White	White	3	3SU1156-6AA60-1AA0	1	1 unit		
			Clear	White	5	3SU1156-6AA70-1AA0	1	1 unit		
			Spring-type terminals							
			 3SU1152-6AA40-3AA0	24	24	Red	Red	3	3SU1152-6AA20-3AA0	1
Yellow	Yellow	5				3SU1152-6AA30-3AA0	1	1 unit		
Green	Green	3				3SU1152-6AA40-3AA0	1	1 unit		
Blue	Blue	3				3SU1152-6AA50-3AA0	1	1 unit		
White	White	5				3SU1152-6AA60-3AA0	1	1 unit		
Clear	White	5				3SU1152-6AA70-3AA0	1	1 unit		
 3SU1156-6AA20-3AA0	110	--	Red	Red	5	3SU1153-6AA20-3AA0	1	1 unit		
			Yellow	Yellow	5	3SU1153-6AA30-3AA0	1	1 unit		
			Green	Green	5	3SU1153-6AA40-3AA0	1	1 unit		
			Blue	Blue	5	3SU1153-6AA50-3AA0	1	1 unit		
			White	White	5	3SU1153-6AA60-3AA0	1	1 unit		
			Clear	White	5	3SU1153-6AA70-3AA0	1	1 unit		
 3SU1156-6AA20-3AA0	230	--	Red	Red	5	3SU1156-6AA20-3AA0	1	1 unit		
			Yellow	Yellow	5	3SU1156-6AA30-3AA0	1	1 unit		
			Green	Green	5	3SU1156-6AA40-3AA0	1	1 unit		
			Blue	Blue	5	3SU1156-6AA50-3AA0	1	1 unit		
			White	White	5	3SU1156-6AA60-3AA0	1	1 unit		
			Clear	White	5	3SU1156-6AA70-3AA0	1	1 unit		

3SU1 22 mm, Metal, Shiny — Compact Units

Indicator lights


Selection and ordering data

	Operational voltage		Color		SD	Screw terminals 	PU (UNIT, SET, M)	PS*	
	at AC, rated value	at DC, rated value	of actuating element	of light source					
	V	V			d	Article No.	Price per PU		
Indicator lights <i>NEW</i>									
	24	24	Amber	Amber	5	3SU1251-6AB00-1AA0		1	1 unit
			Red	Red	▶	3SU1251-6AB20-1AA0		1	1 unit
			Yellow	Yellow	▶	3SU1251-6AB30-1AA0		1	1 unit
			Green	Green	▶	3SU1251-6AB40-1AA0		1	1 unit
			Blue	Blue	5	3SU1251-6AB50-1AA0		1	1 unit
			White	White	▶	3SU1251-6AB60-1AA0		1	1 unit
			Clear	Clear	3	3SU1251-6AB70-1AA0		1	1 unit
			3SU1251-6AB50-1AA0						
	110	110	Amber	Amber	5	3SU1251-6AC00-1AA0		1	1 unit
			Red	Red	3	3SU1251-6AC20-1AA0		1	1 unit
			Yellow	Yellow	5	3SU1251-6AC30-1AA0		1	1 unit
			Green	Green	5	3SU1251-6AC40-1AA0		1	1 unit
			Blue	Blue	5	3SU1251-6AC50-1AA0		1	1 unit
			White	White	5	3SU1251-6AC60-1AA0		1	1 unit
			Clear	Clear	5	3SU1251-6AC70-1AA0		1	1 unit
			3SU1251-6AC30-1AA0						
	230	230	Amber	Amber	5	3SU1251-6AF00-1AA0		1	1 unit
			Red	Red	3	3SU1251-6AF20-1AA0		1	1 unit
			Yellow	Yellow	5	3SU1251-6AF30-1AA0		1	1 unit
			Green	Green	5	3SU1251-6AF40-1AA0		1	1 unit
			Blue	Blue	5	3SU1251-6AF50-1AA0		1	1 unit
			White	White	5	3SU1251-6AF60-1AA0		1	1 unit
			Clear	Clear	5	3SU1251-6AF70-1AA0		1	1 unit
			3SU1251-6AF30-1AA0						
Indicator lights with "traffic light" LED									
	6 ... 24	6 ... 24	Clear	Red/Yellow/ Green	▶	3SU1251-6AG24-1AA0		1	1 unit
	110	--	Clear	Red/Yellow/ Green	▶	3SU1251-6AC24-1AA0		1	1 unit
	230	--	Clear	Red/Yellow/ Green	▶	3SU1251-6AF24-1AA0		1	1 unit
3SU1251-6AG24-1AA0									

3SU1 22 mm, Metal, Shiny — Compact Units


Potentiometers

Selection and ordering data

	Operational voltage		Volume level	SD	Screw terminals	PU (UNIT, SET, M)	PS*
	at AC, rated value	at DC, rated value					
	V	V	dB	d	Article No.	Price per PU	
Acoustic signaling devices							
	24	24	90	5	3SU1250-6KB10-1AA0		1 1 unit
	110	--	90	5	3SU1250-6KC10-1AA0		1 1 unit
	230	--	90	5	3SU1250-6KF10-1AA0		1 1 unit

3SU1250-6KB10-1AA0

Selection and ordering data

	Version of actuating element	Operating principle	Adjustable resistance	SD	Screw terminals	PU (UNIT, SET, M)	PS*
					Article No.	Price per PU	
Potentiometers							
	Rotary knob	Stepless	1	▶	3SU1250-2PQ10-1AA0		1 1 unit
			4.7	▶	3SU1250-2PR10-1AA0		1 1 unit
			10	▶	3SU1250-2PS10-1AA0		1 1 unit
			47	▶	3SU1250-2PT10-1AA0		1 1 unit
			100	▶	3SU1250-2PU10-1AA0		1 1 unit
			470	▶	3SU1250-2PV10-1AA0		1 1 unit

3SU1250-2PQ10-1AA0

Labeling plates for potentiometers, see page 10/151.

3SU1 22 mm, Metal, Shiny — Compact Units

Pushbuttons with extended stroke

Selection and ordering data

Version	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Pushbuttons with extended stroke

For actuating relays, can only be combined with extension plunger, no contact module or LED module required



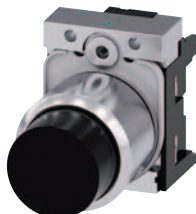
3SU1250-0EB40-0AA0

Pushbuttons with flat button

Red	5
Green	5
Blue	7

3SU1250-0EB20-0AA0
3SU1250-0EB40-0AA0
3SU1250-0EB50-0AA0

1	1 unit
1	1 unit
1	1 unit



3SU1250-0FB10-0AA0

Pushbuttons with raised button

Black	▶
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3SU1250-0FB10-0AA0

1	1 unit
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3SU1251-0EB20-0AA0

Pushbuttons with flat transparent button for insertion of insert labels

Red	3
Clear	3

3SU1251-0EB20-0AA0
3SU1251-0EB70-0AA0

1	1 unit
1	1 unit

Version	Material	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Accessories



3SU1900-0KG10-0AA0

Extension plungers

Plastic

Gray	▶
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3SU1900-0KG10-0AA0






1	1 unit
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For compensation of the distance between the pushbutton and the unlatching button of an overload relay

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements




Pushbuttons

Selection and ordering data

Version of actuating element Front ring version	Operating principle Unlatching method	Color, marking	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	
Pushbuttons								
 3SU1050-0AB40-0AC0	Pushbuttons with flat button Standard	Momentary contact	Black	▶	3SU1050-0AB10-0AA0		1	1 unit
			Black, "O"	▶	3SU1050-0AB10-0AD0		1	1 unit
			Red	▶	3SU1050-0AB20-0AA0		1	1 unit
			Red, "O"	▶	3SU1050-0AB20-0AD0		1	1 unit
			Yellow	3	3SU1050-0AB30-0AA0		1	1 unit
			Green	▶	3SU1050-0AB40-0AA0		1	1 unit
			Green, "I"	▶	3SU1050-0AB40-0AC0		1	1 unit
			Blue	3	3SU1050-0AB50-0AA0		1	1 unit
			Blue, "R"	5	3SU1050-0AB50-0AR0		1	1 unit
			White	3	3SU1050-0AB60-0AA0		1	1 unit
			White, "⊕"	5	3SU1050-0AB60-0AB0		1	1 unit
			White, "I"	▶	3SU1050-0AB60-0AC0		1	1 unit
			Clear	3	3SU1050-0AB70-0AA0		1	1 unit
			Gray	▶	3SU1050-0AB80-0AA0		1	1 unit
		 3SU1050-0AA30-0AA0	Latching Push to unlatch	Black	▶	3SU1050-0AA10-0AA0		1
Red	▶			3SU1050-0AA20-0AA0		1	1 unit	
Yellow	▶			3SU1050-0AA30-0AA0		1	1 unit	
Green	▶			3SU1050-0AA40-0AA0		1	1 unit	
Blue	▶			3SU1050-0AA50-0AA0		1	1 unit	
White	▶			3SU1050-0AA60-0AA0		1	1 unit	
 3SU1050-0BB20-0AA0	Pushbuttons with raised button Standard	Momentary contact	Black	3	3SU1050-0BB10-0AA0		1	1 unit
			Red	▶	3SU1050-0BB20-0AA0		1	1 unit
			Yellow	▶	3SU1050-0BB30-0AA0		1	1 unit
			Green	▶	3SU1050-0BB40-0AA0		1	1 unit
			Blue	▶	3SU1050-0BB50-0AA0		1	1 unit
			White	▶	3SU1050-0BB60-0AA0		1	1 unit
			Latching Push to unlatch	Red	5	3SU1050-0BA20-0AA0		1
 3SU1050-0CB50-0AA0	Pushbuttons with flat button Raised	Momentary contact	Black	5	3SU1050-0CB10-0AA0		1	1 unit
			Red	5	3SU1050-0CB20-0AA0		1	1 unit
			Yellow	5	3SU1050-0CB30-0AA0		1	1 unit
			Green	5	3SU1050-0CB40-0AA0		1	1 unit
			Blue	5	3SU1050-0CB50-0AA0		1	1 unit
			White	5	3SU1050-0CB60-0AA0		1	1 unit
 3SU1051-0CB40-0AA0	Illuminated pushbuttons with flat button Raised	Momentary contact	Green	X	3SU1051-0CB40-0AA0		1	20 units

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements





Pushbuttons

Version of actuating element	Operating principle	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Front ring version	Unlatching method		d				
Pushbuttons							
 <p>3SU1051-0AB30-0AA0</p>	Illuminated pushbuttons with flat button Standard	Momentary contact	Amber	5	3SU1051-0AB00-0AA0	1	1 unit
			Red	▶	3SU1051-0AB20-0AA0	1	1 unit
			Yellow	3	3SU1051-0AB30-0AA0	1	1 unit
			Green	▶	3SU1051-0AB40-0AA0	1	1 unit
			Blue	3	3SU1051-0AB50-0AA0	1	1 unit
			White	▶	3SU1051-0AB60-0AA0	1	1 unit
			Clear	▶	3SU1051-0AB70-0AA0	1	1 unit
 <p>3SU1051-0AA20-0AA0</p>	Illuminated pushbuttons with flat button Latching	Push to unlatch	Red	▶	3SU1051-0AA20-0AA0	1	1 unit
			Yellow	▶	3SU1051-0AA30-0AA0	1	1 unit
			Green	▶	3SU1051-0AA40-0AA0	1	1 unit
			Blue	▶	3SU1051-0AA50-0AA0	1	1 unit
			White	▶	3SU1051-0AA60-0AA0	1	1 unit
			Clear	5	3SU1051-0AA70-0AA0	1	1 unit
 <p>3SU1051-0BB20-0AA0</p>	Illuminated pushbuttons with raised button Standard	Momentary contact	Amber	5	3SU1051-0BB00-0AA0	1	1 unit
			Red	▶	3SU1051-0BB20-0AA0	1	1 unit
			Yellow	▶	3SU1051-0BB30-0AA0	1	1 unit
			Green	▶	3SU1051-0BB40-0AA0	1	1 unit
			Blue	▶	3SU1051-0BB50-0AA0	1	1 unit
			White	5	3SU1051-0BB60-0AA0	1	1 unit
			Clear	3	3SU1051-0BB70-0AA0	1	1 unit

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Twin pushbuttons

Selection and ordering data

Version of actuating element	Operating principle	Color	Marking Symbol No.	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Twin pushbuttons								
 <p>3SU1050-3AB66-0AL0</p>	Twin pushbuttons flat, flat	Momentary contact	Green/Red	--	3		1	1 unit
			"I"/"O"	3				
			White/Black	--	3			
			"I"/"O"	3				
			White/White	--	3			
			"_"/"+"	5				
			Arrows, hor.	5				
Black/Black	--	3						
○	5							
○								
5264/5265 (IEC 60417)								
 <p>3SU1050-3BB42-0AK0</p>	Twin pushbuttons flat, raised	Momentary contact	Green/Red	--	3		1	1 unit
			"I"/"O"	3				
			White/Black	--	3			
"I"/"O"	5							
 <p>3SU1051-3AB42-0AN0</p>	Twin pushbuttons flat, flat, illuminated	Momentary contact	Green/Red	--	▶ 3		1	1 unit
			"I"/"O"	▶ 3				
			Arrows, vert.	5				
			White/Black	--	▶ 3			
			"I"/"O"	▶ 3				
 <p>3SU1051-3BB61-0AA0</p>	Twin pushbuttons flat, raised, illuminated	Momentary contact	Green/Red	--	▶ 3		1	1 unit
			"I"/"O"	▶ 3				
			White/Black	--	3			
			"I"/"O"	5				







3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Mushroom pushbuttons

Selection and ordering data

Version of actuating element	Operating principle Unlatching method	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Mushroom pushbuttons

 3SU1050-1AD20-0AA0	2 switch positions						
	Mushroom pushbuttons	Momentary contact	Black	▶	3SU1050-1AD10-0AA0	1	1 unit
	30 mm diameter,		Red	▶	3SU1050-1AD20-0AA0	1	1 unit
	2 positions		Yellow	▶	3SU1050-1AD30-0AA0	1	1 unit
			Green	▶	3SU1050-1AD40-0AA0	1	1 unit
	Latching	Black	▶	3SU1050-1AA10-0AA0	1	1 unit	
	Pull to unlatch	Red	▶	3SU1050-1AA20-0AA0	1	1 unit	
 3SU1050-1BD30-0AA0	Mushroom pushbuttons	Momentary contact	Black	3	3SU1050-1BD10-0AA0	1	1 unit
	40 mm diameter,		Red	5	3SU1050-1BD20-0AA0	1	1 unit
	2 positions		Yellow	5	3SU1050-1BD30-0AA0	1	1 unit
			Green	5	3SU1050-1BD40-0AA0	1	1 unit
		Latching	Black	3	3SU1050-1BA10-0AA0	1	1 unit
	Pull to unlatch	Red	3	3SU1050-1BA20-0AA0	1	1 unit	
		Yellow	5	3SU1050-1BA30-0AA0	1	1 unit	
 3SU1050-1CD40-0AA0	Mushroom pushbuttons	Momentary contact	Black	5	3SU1050-1CD10-0AA0	1	1 unit
	60 mm diameter,		Red	5	3SU1050-1CD20-0AA0	1	1 unit
	2 positions		Yellow	5	3SU1050-1CD30-0AA0	1	1 unit
			Green	5	3SU1050-1CD40-0AA0	1	1 unit
		Latching	Black	5	3SU1050-1CA10-0AA0	1	1 unit
	Pull to unlatch	Red	5	3SU1050-1CA20-0AA0	1	1 unit	
 3SU1051-1AD60-0AA0	Mushroom pushbuttons	Momentary contact	Yellow	5	3SU1051-1AD30-0AA0	1	1 unit
	30 mm diameter,		Green	5	3SU1051-1AD40-0AA0	1	1 unit
	2 positions,		Blue	NEW 5	3SU1051-1AD50-0AA0	1	1 unit
	illuminated		White	5	3SU1051-1AD60-0AA0	1	1 unit
		Latching	Amber	5	3SU1051-1AA00-0AA0	1	1 unit
			Red	5	3SU1051-1AA20-0AA0	1	1 unit
		Pull to unlatch	Yellow	5	3SU1051-1AA30-0AA0	1	1 unit
			Green	5	3SU1051-1AA40-0AA0	1	1 unit
			Blue	5	3SU1051-1AA50-0AA0	1	1 unit
			Clear	5	3SU1051-1AA70-0AA0	1	1 unit
 3SU1051-1BD40-0AA0	Mushroom pushbuttons	Momentary contact	Amber	5	3SU1051-1BD00-0AA0	1	1 unit
	40 mm diameter,		Yellow	5	3SU1051-1BD30-0AA0	1	1 unit
	2 positions,		Green	5	3SU1051-1BD40-0AA0	1	1 unit
	illuminated		White	5	3SU1051-1BD60-0AA0	1	1 unit
		Latching	Amber	5	3SU1051-1BA00-0AA0	1	1 unit
			Red	3	3SU1051-1BA20-0AA0	1	1 unit
		Pull to unlatch	Yellow	5	3SU1051-1BA30-0AA0	1	1 unit
			Green	5	3SU1051-1BA40-0AA0	1	1 unit
			Blue	5	3SU1051-1BA50-0AA0	1	1 unit
			Clear	5	3SU1051-1BA70-0AA0	1	1 unit
 3SU1051-1CA50-0AA0	Mushroom pushbuttons	Momentary contact	Amber	5	3SU1051-1CD00-0AA0	1	1 unit
	60 mm diameter,		Yellow	5	3SU1051-1CD30-0AA0	1	1 unit
	2 positions,	None	Green	5	3SU1051-1CD40-0AA0	1	1 unit
	illuminated		White	5	3SU1051-1CD60-0AA0	1	1 unit
		Latching	Red	5	3SU1051-1CA20-0AA0	1	1 unit
			Yellow	5	3SU1051-1CA30-0AA0	1	1 unit
		Pull to unlatch	Green	5	3SU1051-1CA40-0AA0	1	1 unit
			Blue	5	3SU1051-1CA50-0AA0	1	1 unit
			Clear	5	3SU1051-1CA70-0AA0	1	1 unit

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Mushroom pushbuttons / EMERGENCY STOP mushroom pushbuttons

Version of actuating element	Operating principle Unlatching method	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Mushroom pushbuttons

2 switch positions



3SU1050-1HB10-0AA0

Mushroom pushbuttons with raised mushroom, 40 mm diameter, 2 positions

With positive latching
Rotate to unlatch

Black
Yellow

5
5

3SU1050-1HB10-0AA0
3SU1050-1HB30-0AA0

1 1 unit
1 1 unit

3 switch positions



3SU1050-1EA20-0AA0

Mushroom pushbuttons with raised mushroom, 40 mm diameter, 3 positions

Momentary contact

Black
Red

5
5

3SU1050-1ED10-0AA0
3SU1050-1ED20-0AA0

1 1 unit
1 1 unit

Latching

Black
Red

5
5

3SU1050-1EA10-0AA0
3SU1050-1EA20-0AA0

1 1 unit
1 1 unit

Pull to unlatch

Mushroom pushbuttons with raised mushroom, 40 mm diameter, 3 positions, illuminated



3SU1051-1EA40-0AA0

Momentary contact

Red
White

5
5

3SU1051-1ED20-0AA0
3SU1051-1ED60-0AA0

1 1 unit
1 1 unit

Latching

Red
Green

5
5

3SU1051-1EA20-0AA0
3SU1051-1EA40-0AA0

1 1 unit
1 1 unit

Pull to unlatch

Selection and ordering data

Version of actuating element	Outer diameter of mushroom	Make of lock	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5

With pull-to-unlatch mechanism



3SU1050-1HA20-0AA0

With positive latching, 2 positions

40

--

Red

3

3SU1050-1HA20-0AA0

1 1 unit

With rotate-to-unlatch mechanism



3SU1050-1GB20-0AA0

With positive latching, 2 positions

33.8

--

Red

3

3SU1050-1GB20-0AA0

1 1 unit

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

EMERGENCY STOP mushroom pushbuttons

Version of actuating element	Outer diameter of mushroom	Make of lock	Color	Number of keys	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5

With rotate-to-unlatch mechanism



3SU1050-1HB20-0AA0



3SU1050-1JB20-0AA0

With positive latching, 2 positions	40	--	Red	--	▶	3SU1050-1HB20-0AA0		1	1 unit
	60	--	Red	--	5	3SU1050-1JB20-0AA0		1	1 unit
With latching, 2 positions	40	--	Red	--	NEW 3	3SU1050-1LB20-0AA0		1	1 unit

With rotate-to-unlatch mechanism, can be illuminated



3SU1051-1HB20-0AA0

With positive latching, 2 positions	33.8	--	Red	--	▶	3SU1051-1GB20-0AA0		1	1 unit
	40	--	Red	--	▶	3SU1051-1HB20-0AA0		1	1 unit
	60	--	Red	--	▶	3SU1051-1JB20-0AA0		1	1 unit

With key-operated release



3SU1050-1HF20-0AA0



3SU1050-1HQ20-0AA0



3SU1050-1HR20-0AA0

With positive latching, 2 positions	40	RONIS SB30	Red	2	3	3SU1050-1HF20-0AA0		1	1 unit
		RONIS 455	Red	2	5	3SU1050-1HG20-0AA0		1	1 unit
		RONIS 421	Red	2	5	3SU1050-1HH20-0AA0		1	1 unit
		BKS S1	Red	2	5	3SU1050-1HK20-0AA0		1	1 unit
		BKS E7	Red	0	5	3SU1050-1HM20-0AA0		1	1 unit
		BKS E9	Red	0	5	3SU1050-1HN20-0AA0		1	1 unit
		O.M.R. 73037	Red	2	5	3SU1050-1HQ20-0AA0		1	1 unit
		CES SSG10	Red	2	3	3SU1050-1HR20-0AA0		1	1 unit
		CES SSP9	Red	2	5	3SU1050-1HS20-0AA0		1	1 unit
		CES VL5	Black	2	5	3SU1050-1HU10-0AA0		1	1 unit
			Red	2	5	3SU1050-1HU20-0AA0		1	1 unit
		CES VL1	Red	2	5	3SU1050-1HV20-0AA0		1	1 unit
		IKON 360012K1	Red	2	5	3SU1050-1HX20-0AA0		1	1 unit

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Toggle switches / Selector switches

Selection and ordering data

Number of switching positions	Number of command points	Color of actuating element	Operating principle of the actuating element	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Toggle switches



3SU1050-3EA10-0AA0

2	1	Black	Latching	5	3SU1050-3EA10-0AA0		1	1 unit
			Momentary contact, reset from above	5	3SU1050-3EC10-0AA0		1	1 unit

Selection and ordering data

Version of actuating element	Operating principle	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Selector switches

2 switch positions, can be illuminated



3SU1052-2BC20-0AA0

Selector, short black actuator	Momentary contact, 45° (10:30/12 o'clock), reset from center to left	Black	3	3SU1052-2BC10-0AA0		1	1 unit
		Red	▶	3SU1052-2BC20-0AA0		1	1 unit
		Yellow	5	3SU1052-2BC30-0AA0		1	1 unit
		Green	▶	3SU1052-2BC40-0AA0		1	1 unit
		Blue	▶	3SU1052-2BC50-0AA0		1	1 unit
		White	3	3SU1052-2BC60-0AA0		1	1 unit



3SU1052-2BF40-0AA0

Latching, 90° (10:30/1:30 o'clock)	Latching, 90° (10:30/1:30 o'clock)	Amber	5	3SU1052-2BF00-0AA0		1	1 unit
		Black	▶	3SU1052-2BF10-0AA0		1	1 unit
		Red	3	3SU1052-2BF20-0AA0		1	1 unit
		Yellow	NEW 7	3SU1052-2BF30-0AA0		1	1 unit
		Green	3	3SU1052-2BF40-0AA0		1	1 unit
		Blue	NEW 7	3SU1052-2BF50-0AA0		1	1 unit
		White	▶	3SU1052-2BF60-0AA0		1	1 unit



3SU1052-2CF60-0AA0

Selector, long black actuator	Momentary contact, 45° (10:30/12 o'clock), reset from center to left	Black	5	3SU1052-2CC10-0AA0		1	1 unit	
		Yellow	5	3SU1052-2CC30-0AA0		1	1 unit	
		Green	5	3SU1052-2CC40-0AA0		1	1 unit	
		Blue	5	3SU1052-2CC50-0AA0		1	1 unit	
		White	5	3SU1052-2CC60-0AA0		1	1 unit	
	Latching, 90° (10:30/1:30 o'clock)	Latching, 90° (10:30/1:30 o'clock)	Black	5	3SU1052-2CF10-0AA0		1	1 unit
			Red	5	3SU1052-2CF20-0AA0		1	1 unit
			Yellow	5	3SU1052-2CF30-0AA0		1	1 unit
			Green	5	3SU1052-2CF40-0AA0		1	1 unit
			Blue	5	3SU1052-2CF50-0AA0		1	1 unit
White	5	3SU1052-2CF60-0AA0		1	1 unit			



3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Selector switches

Version of actuating element	Operating principle	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Selector switches

3 switch positions, can be illuminated



3SU1052-2BM50-0AA0

Selector, short black actuator

Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right



- Amber 5
- Black 5
- Red 5
- Yellow 5
- Green 5
- Blue 5
- White 5

- 3SU1052-2BM00-0AA0
- 3SU1052-2BM10-0AA0
- 3SU1052-2BM20-0AA0
- 3SU1052-2BM30-0AA0
- 3SU1052-2BM40-0AA0
- 3SU1052-2BM50-0AA0
- 3SU1052-2BM60-0AA0

- 1 1 unit
- 1 1 unit
- 1 1 unit
- 1 1 unit
- 1 1 unit
- 1 1 unit
- 1 1 unit



3SU1052-2BL30-0AA0

Latching, 2x45° (10:30/12/1:30 o'clock)



- Amber 5
- Black 5
- Red 5
- Yellow 5
- Green 3
- White 5

- 3SU1052-2BL00-0AA0
- 3SU1052-2BL10-0AA0
- 3SU1052-2BL20-0AA0
- 3SU1052-2BL30-0AA0
- 3SU1052-2BL40-0AA0
- 3SU1052-2BL60-0AA0

- 1 1 unit
- 1 1 unit
- 1 1 unit
- 1 1 unit
- 1 1 unit
- 1 1 unit



3SU1052-2BN20-0AA0

Momentary contact/latching, 2x45° (10:30/12/1:30 o'clock), reset from left, latching to the right



- Black 5
- Red 5
- Green 5
- White 5

- 3SU1052-2BP10-0AA0
- 3SU1052-2BP20-0AA0
- 3SU1052-2BP40-0AA0
- 3SU1052-2BP60-0AA0

- 1 1 unit
- 1 1 unit
- 1 1 unit
- 1 1 unit



3SU1052-2CL40-0AA0

Selector, long black actuator

Latching/momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from right, latching to the left



- Black 3
- Red 5
- Green 5
- White 3

- 3SU1052-2BN10-0AA0
- 3SU1052-2BN20-0AA0
- 3SU1052-2BN40-0AA0
- 3SU1052-2BN60-0AA0

- 1 1 unit
- 1 1 unit
- 1 1 unit
- 1 1 unit

Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right



- Black 3
- Red 5
- Green 5
- White 3

- 3SU1052-2CM10-0AA0
- 3SU1052-2CM20-0AA0
- 3SU1052-2CM40-0AA0
- 3SU1052-2CM60-0AA0

- 1 1 unit
- 1 1 unit
- 1 1 unit
- 1 1 unit

Latching, 2x45° (10:30/12/1:30 o'clock)



- Black 5
- Red 5
- Green 5
- White 5

- 3SU1052-2CL10-0AA0
- 3SU1052-2CL20-0AA0
- 3SU1052-2CL40-0AA0
- 3SU1052-2CL60-0AA0

- 1 1 unit
- 1 1 unit
- 1 1 unit
- 1 1 unit

Momentary contact/latching, 2x45° (10:30/12/1:30 o'clock), reset from left, latching to the right



- Black 5
- Red 5
- White 5

- 3SU1052-2CP10-0AA0
- 3SU1052-2CP20-0AA0
- 3SU1052-2CP60-0AA0

- 1 1 unit
- 1 1 unit
- 1 1 unit

Latching/momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from right, latching to the left



- Black 5
- Red 5
- White 5
- Black **NEW** 5

- 3SU1052-2CN10-0AA0
- 3SU1052-2CN20-0AA0
- 3SU1052-2CN60-0AA0
- 3SU1042-2GL10-0AA0

- 1 1 unit
- 1 1 unit
- 1 1 unit
- 1 1 unit

Lockable with 2 padlocks or cabiner hooks

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Selector switches

Version of actuating element	Operating principle	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
			d				

Selector switches

4 switch positions

Rotary knob

Latching, 4x90°
(3/6/9/12 o'clock)

White

3

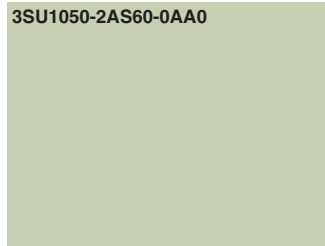
3SU1050-2AS60-0AA0

1

1 unit













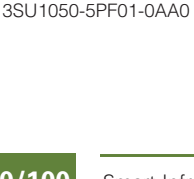



3SU1050-2AS60-0AA0



3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Key-operated switches

Selection and ordering data

Operating principle	Make of lock	Switch position for key removal	Number of keys	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*			
Key-operated switches											
 <p>3SU1050-4BC01-0AA0</p>	2 switch positions										
	Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	RONIS, SB30	O	2	3	3SU1050-4BC01-0AA0		1	1 unit		
		RONIS, 455	O	2	5	3SU1050-4CC01-0AA0		1	1 unit		
		O.M.R. 73037, red	O	2	5	3SU1050-4FC01-0AA0		1	1 unit		
		O.M.R. 73038, light blue	O	2	5	3SU1050-4GC01-0AA0		1	1 unit		
		O.M.R. 73034, black	O	2	5	3SU1050-4HC01-0AA0		1	1 unit		
		O.M.R. 73033, yellow	O	2	5	3SU1050-4JC01-0AA0		1	1 unit		
		CES, SSG10	O	2	3	3SU1050-5BC01-0AA0		1	1 unit		
		CES, LSG1	O	2	5	3SU1050-5HC01-0AA0		1	1 unit		
		CES, VL5	O	2	5	3SU1050-5KC01-0AA0		1	1 unit		
		CES, STGH10	O	2	5	3SU1050-5LC01-0AA0		1	1 unit		
		BKS, S1	O	2	5	3SU1050-5PC01-0AA0		1	1 unit		
		IKON, 360012K1	O	2	5	3SU1050-5XC01-0AA0		1	1 unit		
		 <p>3SU1050-4BF01-0AA0</p>	Latching, 90° (10:30/1:30 o'clock) 	RONIS, SB30	O	2	3	3SU1050-4BF01-0AA0		1	1 unit
	O+I			2	3	3SU1050-4BF11-0AA0		1	1 unit		
	I			2	5	3SU1050-4BF21-0AA0		1	1 unit		
RONIS, 455	O			2	5	3SU1050-4CF01-0AA0		1	1 unit		
	O+I			2	5	3SU1050-4CF11-0AA0		1	1 unit		
	I			2	5	3SU1050-4CF21-0AA0		1	1 unit		
RONIS, 421	O+I			2	5	3SU1050-4DF11-0AA0		1	1 unit		
 <p>3SU1050-4GF11-0AA0</p>	O.M.R. 73037, red 			O	2	5	3SU1050-4FF01-0AA0		1	1 unit	
				O+I	2	5	3SU1050-4FF11-0AA0		1	1 unit	
				I	2	5	3SU1050-4FF21-0AA0		1	1 unit	
				O.M.R. 73038, light blue	O	2	5	3SU1050-4GF01-0AA0		1	1 unit
				O+I	2	5	3SU1050-4GF11-0AA0		1	1 unit	
		I	2	5	3SU1050-4GF21-0AA0		1	1 unit			
		O.M.R. 73034, black	O	2	5	3SU1050-4HF01-0AA0		1	1 unit		
		O+I	2	5	3SU1050-4HF11-0AA0		1	1 unit			
		I	2	5	3SU1050-4HF21-0AA0		1	1 unit			
 <p>3SU1050-5BF01-0AA0</p>	O.M.R. 73033, yellow 	O	2	5	3SU1050-4JF01-0AA0		1	1 unit			
		O+I	2	5	3SU1050-4JF11-0AA0		1	1 unit			
		I	2	5	3SU1050-4JF21-0AA0		1	1 unit			
		CES, SSG10	O	2	3	3SU1050-5BF01-0AA0		1	1 unit		
		O+I	2	3	3SU1050-5BF11-0AA0		1	1 unit			
		I	2	5	3SU1050-5BF21-0AA0		1	1 unit			
 <p>3SU1050-5JF01-0AA0</p>	CES, SSG10 with key monitoring 	O	2	NEW 5	3SU1050-5JF01-0AA0		1	1 unit			
		CES, LSG1	O	2	5	3SU1050-5HF01-0AA0		1	1 unit		
		O+I	2	5	3SU1050-5HF11-0AA0		1	1 unit			
		CES, VL5	O	2	5	3SU1050-5KF01-0AA0		1	1 unit		
		CES, STGH10	O+I	2	5	3SU1050-5LF11-0AA0		1	1 unit		
		 <p>3SU1050-5PF01-0AA0</p>	BKS, S1 	O	2	5	3SU1050-5PF01-0AA0		1	1 unit	
				O+I	2	5	3SU1050-5PF11-0AA0		1	1 unit	
				I	2	5	3SU1050-5PF21-0AA0		1	1 unit	
 <p>3SU1050-5QF01-0AA0</p>	BKS, E1 	O	0	5	3SU1050-5QF01-0AA0		1	1 unit			
		O+I	0	5	3SU1050-5QF11-0AA0		1	1 unit			
		BKS, E2	O	0	3	3SU1050-5RF01-0AA0		1	1 unit		
		O+I	0	5	3SU1050-5RF11-0AA0		1	1 unit			
		BKS, E7	O	0	5	3SU1050-5SF01-0AA0		1	1 unit		
		O+I	0	5	3SU1050-5SF11-0AA0		1	1 unit			
<p>3SU1050-5TF01-0AA0</p>	BKS, E9 	O	0	5	3SU1050-5TF01-0AA0		1	1 unit			
		O+I	0	5	3SU1050-5TF11-0AA0		1	1 unit			
<p>3SU1050-5XF01-0AA0</p>	IKON, 360012K1 	O	2	5	3SU1050-5XF01-0AA0		1	1 unit			
		O+I	2	5	3SU1050-5XF11-0AA0		1	1 unit			

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Key-operated switches

Operating principle	Make of lock	Switch position for key removal	Number of keys	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Key-operated switches

3 switch positions



Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right



RONIS, SB30	O	2	5	3SU1050-4BM01-0AA0	1	1 unit
RONIS, 455	O	2	5	3SU1050-4CM01-0AA0	1	1 unit
O.M.R. 73034, black	O	2	5	3SU1050-4HM01-0AA0	1	1 unit
CES, SSG10	O	2	5	3SU1050-5BM01-0AA0	1	1 unit
CES, STGH10	O	2	5	3SU1050-5LM01-0AA0	1	1 unit
BKS, S1	O	2	5	3SU1050-5PM01-0AA0	1	1 unit
IKON, 360012K1	O	2	5	3SU1050-5XM01-0AA0	1	1 unit

Latching, 2x45° (10:30/12/1:30 o'clock)



RONIS, SB30	O	2	5	3SU1050-4BL01-0AA0	1	1 unit
	I+O+II	2	3	3SU1050-4BL11-0AA0	1	1 unit
	I	2	5	3SU1050-4BL21-0AA0	1	1 unit
	II	2	5	3SU1050-4BL31-0AA0	1	1 unit
	I+II	2	5	3SU1050-4BL41-0AA0	1	1 unit
	O+I	2	5	3SU1050-4BL51-0AA0	1	1 unit
RONIS, 455	O	2	5	3SU1050-4CL01-0AA0	1	1 unit
	I+O+II	2	5	3SU1050-4CL11-0AA0	1	1 unit
RONIS, 421		2	5	3SU1050-4DL11-0AA0	1	1 unit
O.M.R. 73037, red	I+O+II	2	5	3SU1050-4FL11-0AA0	1	1 unit
O.M.R. 73038, light blue	O	2	5	3SU1050-4GL01-0AA0	1	1 unit
	I+O+III	2	5	3SU1050-4GL11-0AA0	1	1 unit
O.M.R. 73034, black	O	2	5	3SU1050-4HL01-0AA0	1	1 unit
	I+O+II	2	5	3SU1050-4HL11-0AA0	1	1 unit



CES, SSG10	O	2	5	3SU1050-5BL01-0AA0	1	1 unit
	I+O+II	2	3	3SU1050-5BL11-0AA0	1	1 unit
	I	2	5	3SU1050-5BL21-0AA0	1	1 unit
	II	2	5	3SU1050-5BL31-0AA0	1	1 unit
	I+II	2	5	3SU1050-5BL41-0AA0	1	1 unit
CES, SSG10 with key monitoring	O	2	NEW 5	3SU1050-5JL01-0AA0	1	1 unit

BKS, S1	O	2	5	3SU1050-5PL01-0AA0	1	1 unit
	I+O+II	2	5	3SU1050-5PL11-0AA0	1	1 unit
	I	2	5	3SU1050-5PL21-0AA0	1	1 unit
	I+II	2	5	3SU1050-5PL41-0AA0	1	1 unit
IKON, 360012K1	O	2	5	3SU1050-5XL01-0AA0	1	1 unit
	I+O+II	2	5	3SU1050-5XL11-0AA0	1	1 unit

Momentary contact/latching, 2x45° (10:30/12/1:30 o'clock), reset from left, latching to the right	RONIS, SB30	O	2	5	3SU1050-4BP01-0AA0	1	1 unit
		O+II	2	5	3SU1050-4BP61-0AA0	1	1 unit
	O.M.R. 73034, black	II	2	5	3SU1050-4HP31-0AA0	1	1 unit
	O.M.R. 73033, yellow	II	2	5	3SU1050-4JP31-0AA0	1	1 unit



CES, SSG10	O	2	5	3SU1050-5BP01-0AA0	1	1 unit
	II	2	5	3SU1050-5BP31-0AA0	1	1 unit
	O+II	2	5	3SU1050-5BP61-0AA0	1	1 unit
BKS, S1	O	2	5	3SU1050-5PP01-0AA0	1	1 unit

Latching/momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from right, latching to the left	RONIS, SB30	O	2	5	3SU1050-4BN01-0AA0	1	1 unit
	I	2	5	3SU1050-4BN21-0AA0	1	1 unit	
	O+IO+I	2	5	3SU1050-4BN51-0AA0	1	1 unit	
	CES, SSG10	O	2	5	3SU1050-5BN01-0AA0	1	1 unit
	I	2	5	3SU1050-5BN21-0AA0	1	1 unit	
	O+I	2	5	3SU1050-5BN51-0AA0	1	1 unit	



CES, STGH10	O+I	2	5	3SU1050-5LN51-0AA0	1	1 unit
BKS, S1	O	2	5	3SU1050-5PN01-0AA0	1	1 unit
	I	2	5	3SU1050-5PN21-0AA0	1	1 unit
	O+I	2	5	3SU1050-5PN51-0AA0	1	1 unit

3SU1 22 mm, Metal, Shiny — Actuating and Signaling Elements

Key-operated switches / Indicator lights

Selection and ordering data

Number of NO contacts (1 per direction)	Operating principle	Direction of actuation	SD	Screw terminals	⊕	PU (UNIT, SET, M)	PS*
				Article No.	Price per PU		

Coordinate switches



3SU1050-7AC88-0AA0



3SU1050-7BC88-0AA0

Without mechanical interlock, 2 switch positions

2	Momentary contact	Horizontal	▶	3SU1050-7AC88-0AA0		1	1 unit
		Vertical	▶	3SU1050-7AD88-0AA0		1	1 unit
	Latching	Horizontal	▶	3SU1050-7AA88-0AA0		1	1 unit
		Vertical	▶	3SU1050-7AB88-0AA0		1	1 unit

Without mechanical interlock, 4 switch positions

4	Momentary contact	Horizontal/Vertical	▶	3SU1050-7AF88-0AA0		1	1 unit
	Latching	Horizontal/Vertical	▶	3SU1050-7AE88-0AA0		1	1 unit

With mechanical interlock, 2 switch positions

2	Momentary contact	Horizontal	▶	3SU1050-7BC88-0AA0		1	1 unit
		Vertical	▶	3SU1050-7BD88-0AA0		1	1 unit
	Latching	Horizontal	▶	3SU1050-7BA88-0AA0		1	1 unit
		Vertical	▶	3SU1050-7BB88-0AA0		1	1 unit

With mechanical interlock, 4 switch positions

4	Momentary contact	Horizontal/Vertical	▶	3SU1050-7BF88-0AA0		1	1 unit
	Latching	Horizontal/Vertical	▶	3SU1050-7BE88-0AA0		1	1 unit

Selection and ordering data

Type of product	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Indicator lights



3SU1051-6AA40-0AA0

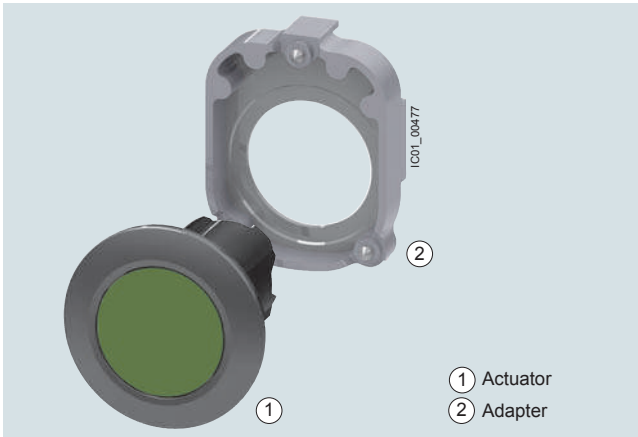
With smooth lens

3	Amber	▶	3SU1051-6AA00-0AA0		1	1 unit
	Red	▶	3SU1051-6AA20-0AA0		1	1 unit
	Yellow	▶	3SU1051-6AA30-0AA0		1	1 unit
	Green	▶	3SU1051-6AA40-0AA0		1	1 unit
	Blue	▶	3SU1051-6AA50-0AA0		1	1 unit
	White	▶	3SU1051-6AA60-0AA0		1	1 unit
	Clear	▶	3SU1051-6AA70-0AA0		1	1 unit

3SU1 30 mm, Round, Metal, Matte — Actuating & Signaling Elements


Pushbuttons

Overview



Actuators and indicators, flat, 30 mm, metal, matte, including adapter (adapter included in scope of supply)











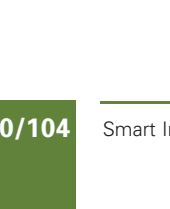




Selection and ordering data

Version	Operating principle	Unlatching method	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*					
Pushbuttons													
 3SU1060-0JB50-0AA0	Pushbuttons with flat button Momentary contact	--	Amber	3	3SU1060-0JB00-0AA0		1	1 unit					
			Black	3	3SU1060-0JB10-0AA0			1 unit					
			Red	3	3SU1060-0JB20-0AA0			1 unit					
			Yellow	3	3SU1060-0JB30-0AA0			1 unit					
			Green	3	3SU1060-0JB40-0AA0			1 unit					
			Blue	3	3SU1060-0JB50-0AA0			1 unit					
			White	3	3SU1060-0JB60-0AA0			1 unit					
			Gray	X	3SU1060-0JB80-0AA0			10 units					
			 3SU1060-0JA20-0AA0	Latching Push to unlatch	Push to unlatch			Black	5	3SU1060-0JA10-0AA0		1	1 unit
								Red	5	3SU1060-0JA20-0AA0			1 unit
Yellow	5	3SU1060-0JA30-0AA0				1 unit							
Green	5	3SU1060-0JA40-0AA0				1 unit							
Blue	5	3SU1060-0JA50-0AA0				1 unit							
White	5	3SU1060-0JA60-0AA0				1 unit							
 3SU1061-0JB40-0AA0	Illuminated pushbuttons with flat button Momentary contact	--	Red	3	3SU1061-0JB20-0AA0		1	1 unit					
			Yellow	3	3SU1061-0JB30-0AA0			1 unit					
			Green	3	3SU1061-0JB40-0AA0			1 unit					
			Blue	3	3SU1061-0JB50-0AA0			1 unit					
			Clear	3	3SU1061-0JB70-0AA0			1 unit					
 3SU1061-0JA30-0AA0	Latching Push to unlatch	Push to unlatch	Red	5	3SU1061-0JA20-0AA0		1	1 unit					
			Yellow	5	3SU1061-0JA30-0AA0			1 unit					
			Green	5	3SU1061-0JA40-0AA0			1 unit					
			Blue	5	3SU1061-0JA50-0AA0			1 unit					
			Clear	5	3SU1061-0JA70-0AA0			1 unit					

3SU1 30 mm, Round, Metal, Matte — Actuating & Signaling Elements

Selector switches

Selection and ordering data

Version	Operating principle	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*				
Selector switches											
2 switch positions, can be illuminated											
 3SU1062-2DC40-0AA0	Selector, short black actuator and front ring for flat mounting	Momentary contact, 45° (10:30/12 o'clock), reset from center to left	Black	5	3SU1062-2DC10-0AA0		1	1 unit			
			Red	5	3SU1062-2DC20-0AA0		1	1 unit			
			Green	5	3SU1062-2DC40-0AA0		1	1 unit			
			White	5	3SU1062-2DC60-0AA0		1	1 unit			
											
 3SU1062-2DF10-0AA0	Selector, long black actuator and front ring for flat mounting	Latching, 90° (10:30/1:30 o'clock)	Black	3	3SU1062-2DF10-0AA0		1	1 unit			
			Red	5	3SU1062-2DF20-0AA0		1	1 unit			
			Green	5	3SU1062-2DF40-0AA0		1	1 unit			
			Blue	5	3SU1062-2DF50-0AA0		1	1 unit			
			White	3	3SU1062-2DF60-0AA0		1	1 unit			
											
 3SU1062-2EC20-0AA0	Selector, long black actuator and front ring for flat mounting	Momentary contact, 45° (10:30/12 o'clock), reset from center to left	Black	5	3SU1062-2EC10-0AA0		1	1 unit			
			Red	5	3SU1062-2EC20-0AA0		1	1 unit			
			Green	5	3SU1062-2EC40-0AA0		1	1 unit			
			White	5	3SU1062-2EC60-0AA0		1	1 unit			
											
 3SU1062-2EF10-0AA0	Selector, long black actuator and front ring for flat mounting	Latching, 90° (10:30/1:30 o'clock)	Black	3	3SU1062-2EF10-0AA0		1	1 unit			
			Red	5	3SU1062-2EF20-0AA0		1	1 unit			
			Green	5	3SU1062-2EF40-0AA0		1	1 unit			
			White	3	3SU1062-2EF60-0AA0		1	1 unit			
											
3 switch positions (I+O+II), can be illuminated											
 3SU1062-2DM10-0AA0	Selector, short black actuator and front ring for flat mounting	Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right	Black	3	3SU1062-2DM10-0AA0		1	1 unit			
			Red	5	3SU1062-2DM20-0AA0		1	1 unit			
			Green	5	3SU1062-2DM40-0AA0		1	1 unit			
			White	3	3SU1062-2DM60-0AA0		1	1 unit			
											
 3SU1062-2DL10-0AA0	Selector, long black actuator and front ring for flat mounting	Latching, 2x45° (10:30/12/1:30 o'clock)	Black	3	3SU1062-2DL10-0AA0		1	1 unit			
			Red	5	3SU1062-2DL20-0AA0		1	1 unit			
			Yellow	5	3SU1062-2DL30-0AA0		1	1 unit			
			Green	5	3SU1062-2DL40-0AA0		1	1 unit			
			White	3	3SU1062-2DL60-0AA0		1	1 unit			
											
 3SU1062-2DN60-0AA0	Selector, long black actuator and front ring for flat mounting	Momentary contact to the right, latching to the left, 2x45° (10:30/12/1:30 o'clock)	Black	NEW 5	3SU1062-2DN60-0AA0		1	1 unit			
											
			 3SU1062-2EM10-0AA0	Selector, long black actuator and front ring for flat mounting	Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right	Black	3	3SU1062-2EM10-0AA0		1	1 unit
						Red	5	3SU1062-2EM20-0AA0		1	1 unit
						Green	5	3SU1062-2EM40-0AA0		1	1 unit
White	3	3SU1062-2EM60-0AA0					1	1 unit			
											
 3SU1062-2EL10-0AA0	Selector, long black actuator and front ring for flat mounting	Latching, 2x45° (10:30/12/1:30 o'clock)	Black	3	3SU1062-2EL10-0AA0		1	1 unit			
			Red	5	3SU1062-2EL20-0AA0		1	1 unit			
			Green	5	3SU1062-2EL40-0AA0		1	1 unit			
			White	3	3SU1062-2EL60-0AA0		1	1 unit			
											









3SU1 30 mm, Round, Metal, Matte — Actuating & Signaling Elements

Key-operated switches / Indicator lights

Selection and ordering data

Make of lock	Operating principle	Switch position for key removal	Number of keys	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
--------------	---------------------	---------------------------------	----------------	----	-------------	--------------	-------------------	-----


Key-operated switches

 3SU1060-4LF11-0AA0	2 switch positions RONIS, SB30 and front ring for flat installation Momentary contact, 45° (10:30/12 o'clock), reset from center to left 		O	2	5	3SU1060-4LC01-0AA0	1	1 unit
	Latching, 90° (10:30/1:30 o'clock) 		O+I I	2 2	3 3			
 3SU1060-4LL11-0AA0	3 switch positions RONIS, SB30 and front ring for flat installation Latching, 2x45° (10:30/12/1:30 o'clock) 		I+O+II	2	5	3SU1060-4LL11-0AA0	1	1 unit
 3SU1060-4LL11-0AA0	3 switch positions RONIS, SB30 and front ring for flat installation Latching, 2x45° (10:30/12/1:30 o'clock) 		I+O+II	2	5	3SU1060-4LL11-0AA0	1	1 unit
	Momentary contact, 2x45° (10:30/12/1:30 o'clock) 		O	2	NEW 5	3SU1060-4LM01-0AA0	1	1 unit

Selection and ordering data

Version	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
---------	-------	----	-------------	--------------	-------------------	-----

Indicator lights

 3SU1061-0JD40-0AA0	With flat lens	Red	3	3SU1061-0JD20-0AA0	1	1 unit
		Yellow	3	3SU1061-0JD30-0AA0	1	1 unit
		Green	3	3SU1061-0JD40-0AA0	1	1 unit
		Blue	3	3SU1061-0JD50-0AA0	1	1 unit
		Clear	3	3SU1061-0JD70-0AA0	1	1 unit

Actuators and Indicators, Customized Designs

Special locks

Options

Special locks for key-operated switches

The plastic and metal key-operated switches of type RONIS, BKS, CES and IKON can be optionally ordered with additional locks.

In this case **"-Z"**, the order code **"Y01"** and the required lock number must be added to the article number of the relevant key-operated switch for standard locking.

Order code	Y01
Standard delivery time	25 working days
Additional price per unit	On request
Ordering example	3SU1000-5BF01-0AA0-Z Y01 Z = SSG18

Ordering notes

- For all special locks, an additional price applies.
- The order code **"Y01"** must be quoted in accordance with the above table. Automated processing of the order with a defined delivery time can be guaranteed only for correctly submitted orders.
- For applications in which access security is important and several lock numbers are used, we recommend the use of BKS or CES key-operated switches.
- Special locks for VW (E1, E2, ...) will be delivered without keys, all others with 2 keys.
- With RONIS, the special locks SB31, 421 and 455 are possible.

Master and master-pass key systems

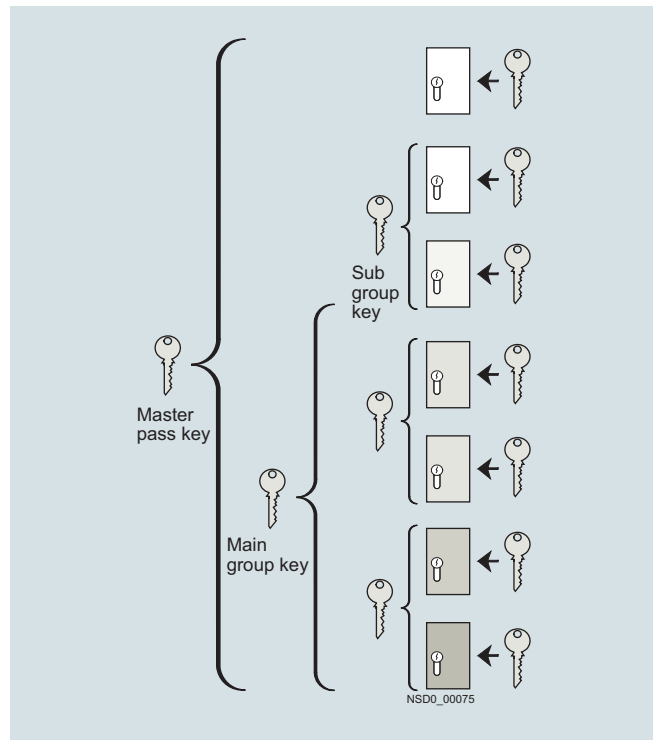
The following key systems can be supplied with BKS, CES or IKON key-operated switches:

- Central lock systems
- Master key systems
- Central master key systems
- Master-pass key systems

When placing an order you must supplement the article number of the matching key-operated switches with **"-Z"** and quote the order code **"Y03"**.

Price and delivery time on request.

Email: sirius-attach.aud@siemens.com



Example of master-pass key system

Actuators and Indicators, Customized Designs

Contact Block Selection Table for Selector Switches, Key-operated Switches, and 3-position push-pull

Selection and Ordering Data

Switch Position (front of switch)	Contact Block Circuit	Contact Block Position ¹⁾	Contact Block Order No.
Left	Right		

Two-Position Selector Switch Contact Block Selection

Switch Position (front of switch)	Contact Block Circuit	Contact Block Position ¹⁾	Contact Block Order No.	
O	X	1 NO	Any Position	3SU1400-1AA10-1BA0
X	O	1 NC	Any Position	3SU1400-1AA10-1CA0
O	X O	1 NO/1 NC	Any Position	3SU1400-1AA10-1FA0
O	X X	2 NO	Any Position	3SU1400-1AA10-1DA0
X	O O	2 NC	Any Position	3SU1400-1AA10-1EA0

Switch Position (front of switch)	Contact Block Circuit	Contact Block Position ¹⁾	Contact Block Order No.
Left	Center	Right	
		On Holder	Stacked

Three-Position Selector Switch Contact Block Selection

Switch Position (front of switch)	Contact Block Circuit	Contact Block Position ¹⁾	Contact Block Order No.		
X	O	1 NO	2 or 3A	5 or 6A	3SU1400-1AA10-1BA0
X	O	1 NO	3	6	3SU1400-1AA10-1BA0
O	O	1 NO	1 or 3B	4 or 6B	3SU1400-1AA10-1BA0
O	X	1 NC	2 or 3A	5 or 6A	3SU1400-1AA10-1CA0
O	X	1 NC	3	6	3SU1400-1AA10-1CA0
X	X	1 NC	1 or 3B	4 or 6B	3SU1400-1AA10-1CA0
X	O	1 NO/1 NC	2 or 3A	--	3SU1400-1AA10-1FA0
O	X	1 NO/1 NC	3	--	3SU1400-1AA10-1FA0
O	O	1 NO/1 NC	1 or 3B	--	3SU1400-1AA10-1FA0
X	O	2 NO	2 or 3A	--	3SU1400-1AA10-1DA0
X	O	2 NO	3	--	3SU1400-1AA10-1DA0
O	O	2 NO	1 or 3B	--	3SU1400-1AA10-1DA0
O	X	2 NC	2 or 3A	--	3SU1400-1AA10-1EA0
O	X	2 NC	3	--	3SU1400-1AA10-1EA0
X	X	2 NC	1 or 3B	--	3SU1400-1AA10-1EA0

Three-Position Push-Pull Contact Block Selection

Out	Center	In	Contact Block Circuit	Contact Block Position ¹⁾	Contact Block Order No.	
X	O	O	1 NO	2 or 3A	5 or 6A	3SU1400-1AA10-1BA0
O	O	X	1 NO	1 or 3B	4 or 6B	3SU1400-1AA10-1BA0
X	X	O	1 NC	1 or 3B	4 or 6B	3SU1400-1AA10-1CA0
O	X	X	1 NC	2 or 3A	5 or 6A	3SU1400-1AA10-1CA0
O	X	O	1 NO/1 NC	2 or 3A	--	3SU1400-1AA10-1FA0
X	X	O	1 NO/1 NC	1 or 3B	--	3SU1400-1AA10-1FA0
O	X	O	2 NC	3	--	3SU1400-1AA10-1FA0

¹⁾ Single-element Contact Blocks are stackable (2 deep). Dual Contact Blocks are not stackable.

In order to attach a Light Module to the actuator, both plungers must be removed and Light Module placed in position #3.

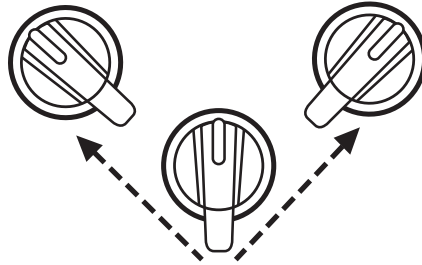
Rear View	Plungers Inserted	Center Module Position Numbers	Replace the asterisks in center position numbers 3* or 6*:
	Both	3 or 6	Contact Blocks Position Number will be (3 or 6) when "Both" plungers are installed.
	Right	3B or 6B	Contact Blocks Position Number will be (3B or 6B) when "Right" plunger only is installed.
	Left	3A or 6A	Contact Blocks Position Number will be (3A or 6A) when "Left" plunger only is installed.
	None	None	Both plungers are removed if Center Module Position 3 is used with LED Light Module

X ----- Contact Closed
 O ----- Contact Open
 3 or 6 ----- Both Plungers Inserted
 3A or 6A --- Left Plunger Inserted
 3B or 6B --- Right Plunger Inserted

Actuators and Indicators, Customized Designs

Contact Block Selection Table for Selector – Switches and Key-operated Switches

Function Table



Plunger Position		Selector Switch Position ¹⁾					
Rear View	Front View	Left Position			Right Position		
		2	3	1	2	3	1
		■	■	□	□	■	■
		■	□	□	□	■	■
		■	■	□	□	□	■
		■	⊗	□	□	⊗	■

- Activated
- Not Activated
- ⊗ LED Available
- Plunger

¹⁾ The selector switch position is viewed from the front.

All selector switches are packaged with two plungers, which can be removed manually.

Actuators and Indicators, Customized Designs

Laser inscriptions

Options

Inscription of actuating and signaling elements

Actuating and signaling elements of plastic as well as metal can be optionally inscribed with a laser.



Example of laser inscription

The actuators of the pushbuttons, illuminated pushbuttons, twin pushbuttons, mushroom pushbuttons, illuminated mushroom pushbuttons, EMERGENCY STOP mushroom pushbuttons (without lock), the lenses of the indicator lights, and the acoustic signaling devices can all be inscribed.

Version

Text inscriptions have centered alignment and a font height of 4 mm as standard.

The typeface used is Arial. Other letter heights and typefaces are possible, but must be specified when ordering.

The maximum possible number of characters per line is:

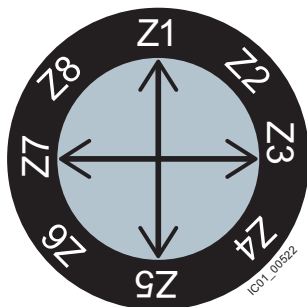
- 10 characters for one line of text
- 8 characters for 2 lines of text
- 6 characters for 3 lines of text, but 10 characters in the middle line

Note:

Selected pushbuttons and twin pushbuttons can be supplied as standard with inscribed letters or symbols.

Selector switches, key-operated switches and toggle switches can be inscribed on the front ring only if they are made of plastic (only one text line and the supplement Y19).

Assignment of the positions on the actuator



Ordering notes

To order, the inscribed actuating and signaling elements can be selected via the SIRIUS ACT Configurator. An electronic order form is then generated.

For configurator, see

- www.siemens.com/sirius-act/configurator
- Electronic Catalog CA 01 on DVD or
- Industry Mall: www.siemens.com/industrymall

When ordering, add **-Z** and an order code to the article number of the actuator or the indicator light:

- **Y10:** Text line in upper/lower case, all lines begin with upper case letters (e.g. line 1: Text/line 2: Text)
- **Y11:** Text in upper case (e.g. LIFT)
- **Y12:** Text in lower case (e.g. lift/off/lower)
- **Y15:** Text in upper/lower case, all words begin with upper case letters (e.g. On/Off)
- **Y13:** Symbol with number according to ISO 7000 or IEC 60417
- **Y19:** Inscription of choice, text or symbol, can only be ordered via SIRIUS ACT Configurator with a Configuration Identification Number (CIN)

When ordering, specify the required inscription in plain text without spaces, in addition to the article number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language. In the case of symbols with number, quote the corresponding standard (see ordering example 1).

In the case of multi-line inscriptions, the text must be assigned to the respective line, e.g. Z1=Lift, Z2=Lower.

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417 (see ordering examples 2 and 3).

The SIRIUS ACT Configurator must be used to select special inscriptions and symbols (order code Y19). In this case a CIN (Configuration Identification Number) is generated for placement of future orders. It is then possible to place an order directly using the CIN and the SIRIUS ACT Configurator (Mall shopping cart) or via the standard ordering channels.

Ordering example 1

A round pushbutton with the inscription Reset is required:

3SU1030-0AB20-0AA0-Z

Y10

Z1=Reset

Ordering example 2

A pushbutton inscribed with symbol No. 5389 according to IEC 60417 is required:

3SU1030-0AB20-0AA0-Z

Y13

Z=5389 IEC

Ordering example 3

A selector switch with 2 switch positions and multi-line inscription on the front ring is required:

3SU1002-2BF10-0AA0-Z

Z8=0

Z2=1

Holders

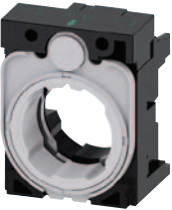
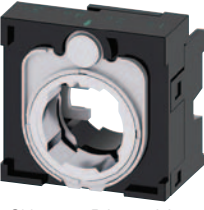

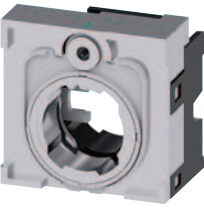
Holders without module

Overview

Holders made of plastic can only be attached to actuators and indicators made of plastic (3SU100) or plastic with metal front ring (3SU103).

Metal holders can be attached to all versions of actuators and indicators. Metal holders are automatically grounded by their fastening screw, but a grounding stud can also be fitted.

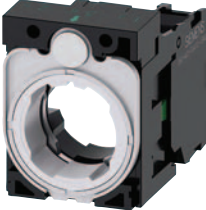



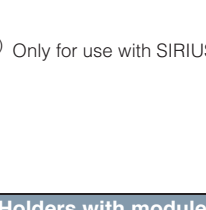
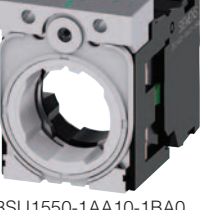
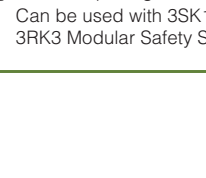
Selection and ordering data

Version	Holder material	DT	Order No.	PU (UNIT, SET, M)	PS*
Holders without module					
 3SU1500-0AA10-0AA0	3x without module Plastic	A	3SU1500-0AA10-0AA0	1	1 unit
 3SU1500-0BA10-0AA0	4x without module Plastic For selector switch with 4 switch positions and for coordinate switches	A	3SU1500-0BA10-0AA0	1	1 unit
Holders without module					
 3SU1550-0AA10-0AA0	3x without module Metal	A	3SU1550-0AA10-0AA0	1	1 unit
 3SU1550-0BA10-0AA0	4x without module Metal For selector switch with 4 switch positions and for coordinate switches	A	3SU1550-0BA10-0AA0	1	1 unit

Holders

Holders with module

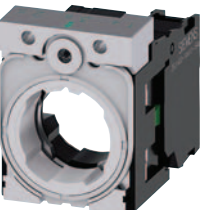
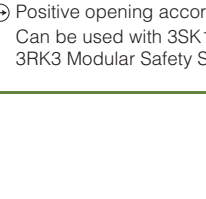
Selection and ordering data

	Number of		NO contacts	NC contacts	Color of light source	SD	Screw terminals		PU (UNIT, SET, M)	PS*		
	Contact modules	LED modules					Price per PU	Article No.				
Holders with module, plastic												
3x with module												
	1	0	1	0	--	▶			1	1 unit		
			0	1	⊕	▶	3SU1500-1AA10-1CA0	1			1 unit	
			1	1	⊕	▶	3SU1500-1AA10-1FA0	1			1 unit	
	2	0	2	0	--	⊕	▶	3SU1500-1AA10-1NA0	1	1 unit		
			0	2	⊕	▶	3SU1500-1AA10-1PA0	1			1 unit	
			2	2	⊕	▶	3SU1500-1AA10-1LA0	1			1 unit	
3x with contact and LED module¹⁾ (6 ... 24 V AC/DC)												
	1	1	1	0	Amber	3		3SU1501-1AG00-1BA0	1	1 unit		
					Red	3		3SU1501-1AG20-1BA0			1	1 unit
					Yellow	3		3SU1501-1AG30-1BA0			1	1 unit
					Green	3		3SU1501-1AG40-1BA0			1	1 unit
					Blue	3		3SU1501-1AG50-1BA0			1	1 unit
					White	3		3SU1501-1AG60-1BA0			1	1 unit
						0	1					Amber
Red	⊕	▶	3SU1501-1AG20-1CA0	1					1 unit			
Yellow	⊕	▶	3SU1501-1AG30-1CA0	1					1 unit			
Green	⊕	▶	3SU1501-1AG40-1CA0	1					1 unit			
Blue	⊕	▶	3SU1501-1AG50-1CA0	1					1 unit			
White	⊕	▶	3SU1501-1AG60-1CA0	1					1 unit			
	1	1							Amber	⊕		▶
					Red	⊕	▶	3SU1501-1AG20-1FA0	1	1 unit		
					Yellow	⊕	▶	3SU1501-1AG30-1FA0	1	1 unit		
					Green	⊕	▶	3SU1501-1AG40-1FA0	1	1 unit		
					Blue	⊕	▶	3SU1501-1AG50-1FA0	1	1 unit		
					White	⊕	▶	3SU1501-1AG60-1FA0	1	1 unit		
						2	1	2	0	Amber	⊕	▶
Red	⊕	▶	3SU1501-1AG20-1NA0	1						1 unit		
Yellow	⊕	▶	3SU1501-1AG30-1NA0	1						1 unit		
Green	⊕	▶	3SU1501-1AG40-1NA0	1						1 unit		
Blue	⊕	▶	3SU1501-1AG50-1NA0	1						1 unit		
White	⊕	▶	3SU1501-1AG60-1NA0	1						1 unit		
	2	2	2	2						Amber	⊕	▶
					Red	⊕	▶	3SU1501-1AG20-1LA0	1	1 unit		
					Yellow	⊕	▶	3SU1501-1AG30-1LA0	1	1 unit		
					Green	⊕	▶	3SU1501-1AG40-1LA0	1	1 unit		
					Blue	⊕	▶	3SU1501-1AG50-1LA0	1	1 unit		
					White	⊕	▶	3SU1501-1AG60-1LA0	1	1 unit		

¹⁾ Only for use with SIRIUS commanding and signaling devices.

	Number of		SD	Screw terminals		PU (UNIT, SET, M)	PS*
	Contact modules	NO contacts		NC contacts	Price per PU		

Holders with module, metal

3x with module									
	1	1	0		3		3SU1550-1AA10-1BA0	1	1 unit
		0	1	⊕	▶	3SU1550-1AA10-1CA0	1	1 unit	
		1	1	⊕	▶	3SU1550-1AA10-1FA0	1	1 unit	
	2	2	0	⊕	▶	3SU1550-1AA10-1NA0	1	1 unit	
		0	2	⊕	▶	3SU1550-1AA10-1PA0	1	1 unit	
		2	2	⊕	▶	3SU1550-1AA10-1LA0	1	1 unit	

3SU1550-1AA10-1BA0

⊕ Positive opening according to IEC 60947-5-1, Annex K.
Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.

Certificate:



Modules for Actuators and Indicators

Contact modules

Overview

Contact modules and LED modules

The contact modules are fitted with slow-action contacts (NO contacts or NC contacts). These ensure a high switching reliability even with small voltages and currents, such as 5 V/1 mA. They are suitable for use in electronic systems as well as conventional controls. The contact pieces of the NC contacts are positively driven.

Only LED modules with permanently integrated LEDs are available for illumination.

Contact modules and LED modules bear terminal designations according to EN 50013.

Mounting the modules


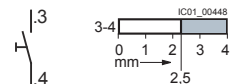
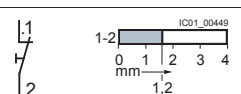

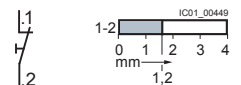
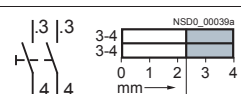

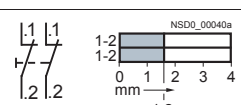
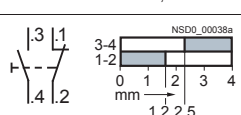
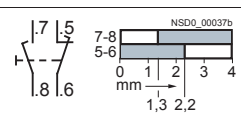
With SIRIUS ACT, the modules are mounted on the holder without any further accessories. Holders in plastic or metal versions are available for mounting three modules.

Connection methods

The modules are available with:

- Screw terminals
- Spring-type terminals or
- Solder pin connections (0.8 mm × 0.8 mm solder pins) for assembly on printed circuit boards

Selection and ordering data

Contact version	Number of		SD	Screw terminals	PU (UNIT, SET, M)	PS*		
	NO contacts	NC contacts						
			d	Article No.	Price per PU			
Contact modules for front plate mounting								
 3SU1400-1AA10-1BA0	Silver alloy	1	0		▶	3SU1400-1AA10-1BA0	1	1 unit
		0	1		▶	3SU1400-1AA10-1CA0	1	1 unit
 3SU1400-1AA10-1HA0		0	1 with installation monitoring ¹⁾		▶	3SU1400-1AA10-1HA0	1	1 unit
		2	0		▶	3SU1400-1AA10-1DA0	1	1 unit
 3SU1400-1AA10-1FA0		0	2		▶	3SU1400-1AA10-1EA0	1	1 unit
		1	1		▶	3SU1400-1AA10-1FA0	1	1 unit
		1	1 leading switching		▶	3SU1400-1AA10-1GA0	1	1 unit

¹⁾ The contact module has 1 NO internal contact + 1 NC internal contact. The NO contact is connected in series with the NC contact and brought out at terminal 1-2. When the module is snapped onto the holder, the NO contact closes. It opens when the module is detached from the holder again (the NC contact remains closed). The NC contact opens when the EMERGENCY STOP device is actuated (the NO contact remains closed). The contact is closed only when both the NC and NO contacts are closed. Unsuitable for mounting in 3SU18 enclosure.

⊕ Positive opening according to IEC 60947-5-1, Annex K.



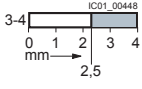

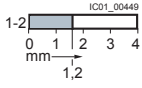

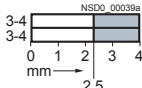

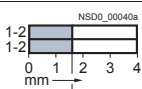

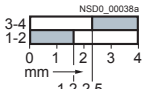

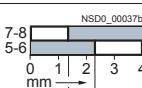
Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.

Certificate:



Modules for Actuators and Indicators

Contact modules

Contact version	Number of contacts		SD	Screw terminals	PU (UNIT, SET, M)	PS*		
	NO contacts	NC contacts						
Contact modules for front plate mounting								
 3SU1400-1AA10-1LA0	Gold-plated	1	0	 	3	3SU1400-1AA10-1LA0	1	1 unit
		0	1	 	5	3SU1400-1AA10-1MA0	1	1 unit
		2	0	 	5	3SU1400-1AA10-1NA0	1	1 unit
		0	2	 	5	3SU1400-1AA10-1PA0	1	1 unit
		1	1	 	5	3SU1400-1AA10-1QA0	1	1 unit
		1 leading	1 lagging	 	5	3SU1400-1AA10-1RA0	1	1 unit

⊕ Positive opening according to IEC 60947-5-1, Annex K.



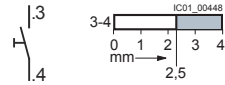
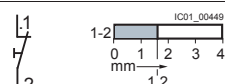

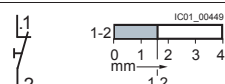

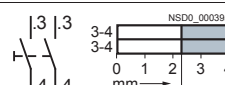

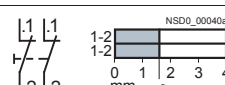
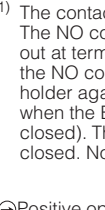
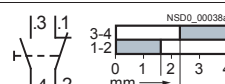

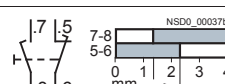
Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.

Certificate:



Modules for Actuators and Indicators

Contact modules

Contact version	Number of contacts		SD	Spring-type terminals 	PU (UNIT, SET, M)	PS*	
	NO contacts	NC contacts					
Contact modules for front plate mounting				Article No.	Price per PU		
	Silver alloy	1	0		3SU1400-1AA10-3BA0	1	1 unit
		0	1		3SU1400-1AA10-3CA0	1	1 unit
		0	1 with installation monitoring ¹⁾		3SU1400-1AA10-3HA0	1	1 unit
		2	0		3SU1400-1AA10-3DA0	1	1 unit
		0	2		3SU1400-1AA10-3EA0	1	1 unit
		1	1		3SU1400-1AA10-3FA0	1	1 unit
		1 leading	1 lagging		3SU1400-1AA10-3GA0	1	1 unit

¹⁾ The contact module has 1 NO internal contact + 1 NC internal contact. The NO contact is connected in series with the NC contact and brought out at terminal 1-2. When the module is snapped onto the holder, the NO contact closes. It opens when the module is detached from the holder again (the NC contact remains closed). The NC contact opens when the EMERGENCY STOP device is actuated (the NO contact remains closed). The contact is closed only when both the NC and NO contacts are closed. Not suitable for installation in 3SU18 enclosure.

⊖ Positive opening according to IEC 60947-5-1, Annex K.








Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.

Certificate:



Modules for Actuators and Indicators

Contact modules

Contact version	Number of		SD	Spring-type terminals	PU (UNIT, SET, M)	PS*			
	NO contacts	NC contacts							
				Article No.	Price per PU				
Contact modules for front plate mounting									
	Gold-plated	1	0		ICD1_00448	5	3SU1400-1AA10-3LA0	1	1 unit
		0	1		ICD1_00449	5	3SU1400-1AA10-3MA0	1	1 unit
		2	0		NSD0_00039a	5	3SU1400-1AA10-3NA0	1	1 unit
		0	2		NSD0_00040a	5	3SU1400-1AA10-3PA0	1	1 unit
		1	1		NSD0_00038a	5	3SU1400-1AA10-3QA0	1	1 unit
		1 leading	1 lagging		NSD0_00037b	5	3SU1400-1AA10-3RA0	1	1 unit

⊕ Positive opening according to IEC 60947-5-1, Annex K.

Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.

Certificate:



Contact version	Number of		SD	Socket terminals (THT)	PU (UNIT, SET, M)	PS*
	NO contacts	NC contacts				
				Article No.	Price per PU	
Contact modules for mounting on printed-circuit boards NEW						
	Silver alloy	1	0	▶	3SU1400-3AA10-5BA0	1 1 unit
	Gold-plated	0	1	⊕	3SU1400-3AA10-5CA0	1 1 unit

⊕ Positive opening according to IEC 60947-5-1, Annex K.

Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.





Certificate:



Modules for Actuators and Indicators

LED modules





Selection and ordering data

	Operational voltage at AC	Operational voltage at DC	Color	SD	Screw terminals	PU (UNIT, SET, M)	PS*
	V	V			Article No.		
LED modules¹⁾ for front plate mounting							
 3SU1401-1BB30-1AA0	24	24	Amber	▶	3SU1401-1BB00-1AA0	1	1 unit
			Red	▶	3SU1401-1BB20-1AA0	1	1 unit
			Yellow	▶	3SU1401-1BB30-1AA0	1	1 unit
			Green	▶	3SU1401-1BB40-1AA0	1	1 unit
			Blue	▶	3SU1401-1BB50-1AA0	1	1 unit
			White	▶	3SU1401-1BB60-1AA0	1	1 unit
	110	—	Amber	▶	3SU1401-1BC00-1AA0	1	1 unit
			Red	▶	3SU1401-1BC20-1AA0	1	1 unit
			Yellow	▶	3SU1401-1BC30-1AA0	1	1 unit
			Green	▶	3SU1401-1BC40-1AA0	1	1 unit
			Blue	▶	3SU1401-1BC50-1AA0	1	1 unit
			White	▶	3SU1401-1BC60-1AA0	1	1 unit
	230	—	Amber	▶	3SU1401-1BF00-1AA0	1	1 unit
			Red	▶	3SU1401-1BF20-1AA0	1	1 unit
			Yellow	▶	3SU1401-1BF30-1AA0	1	1 unit
Green			▶	3SU1401-1BF40-1AA0	1	1 unit	
Blue			▶	3SU1401-1BF50-1AA0	1	1 unit	
White			▶	3SU1401-1BF60-1AA0	1	1 unit	
					Spring-type terminals		
 3SU1401-1BB30-3AA0	24	24	Amber	▶	3SU1401-1BB00-3AA0	1	1 unit
			Red	▶	3SU1401-1BB20-3AA0	1	1 unit
			Yellow	▶	3SU1401-1BB30-3AA0	1	1 unit
			Green	▶	3SU1401-1BB40-3AA0	1	1 unit
			Blue	▶	3SU1401-1BB50-3AA0	1	1 unit
			White	▶	3SU1401-1BB60-3AA0	1	1 unit
	110	—	Amber	▶	3SU1401-1BC00-3AA0	1	1 unit
			Red	▶	3SU1401-1BC20-3AA0	1	1 unit
			Yellow	▶	3SU1401-1BC30-3AA0	1	1 unit
			Green	▶	3SU1401-1BC40-3AA0	1	1 unit
			Blue	▶	3SU1401-1BC50-3AA0	1	1 unit
			White	▶	3SU1401-1BC60-3AA0	1	1 unit
	230	—	Amber	▶	3SU1401-1BF00-3AA0	1	1 unit
			Red	▶	3SU1401-1BF20-3AA0	1	1 unit
			Yellow	▶	3SU1401-1BF30-3AA0	1	1 unit
Green			▶	3SU1401-1BF40-3AA0	1	1 unit	
Blue			▶	3SU1401-1BF50-3AA0	1	1 unit	
White			▶	3SU1401-1BF60-3AA0	1	1 unit	
LED modules¹⁾ for front plate mounting with "traffic light" LED							
 3SU1401-1BB24-1AA0	24	24	Red / Yellow / Green		3SU1401-1BB24-1AA0	1	1 unit
	110	—	Red / Yellow / Green		3SU1401-1BC24-1AA0	1	1 unit
	230	—	Red / Yellow / Green		3SU1401-1BF24-1AA0	1	1 unit
	6-24	6-24	Red / Yellow / Green		3SU1401-1BG24-1AA0	1	1 unit
						Spring-type terminals	
 3SU1401-1BB24-3AA0	24	24	Red / Yellow / Green		3SU1401-1BB24-3AA0	1	1 unit
	110	—	Red / Yellow / Green		3SU1401-1BC24-3AA0	1	1 unit
	230	—	Red / Yellow / Green		3SU1401-1BF24-3AA0	1	1 unit
	6-24	6-24	Red / Yellow / Green		3SU1401-1BG24-3AA0	1	1 unit



¹⁾ Only for use with SIRIUS commanding and signaling devices.

Modules for Actuators and Indicators



LED modules

Operational voltage at AC	Operational voltage at DC	Color	SD	Screw terminals 	PU (UNIT, SET, M)	PS*	
V	V		d	Article No.	Price per PU		
LED modules¹⁾ for front plate mounting							
 3SU1401-1BG30-1AA0	6 ... 24	6 ... 24	Amber	▶	3SU1401-1BG00-1AA0	1	1 unit
			Red	▶	3SU1401-1BG20-1AA0	1	1 unit
			Yellow	▶	3SU1401-1BG30-1AA0	1	1 unit
			Green	▶	3SU1401-1BG40-1AA0	1	1 unit
			Blue	▶	3SU1401-1BG50-1AA0	1	1 unit
			White	▶	3SU1401-1BG60-1AA0	1	1 unit
			24 ... 240	24 ... 240	Amber	5	3SU1401-1BH00-1AA0
Red	▶	3SU1401-1BH20-1AA0	1	1 unit			
Yellow	3	3SU1401-1BH30-1AA0	1	1 unit			
Green	▶	3SU1401-1BH40-1AA0	1	1 unit			
Blue	▶	3SU1401-1BH50-1AA0	1	1 unit			
White	▶	3SU1401-1BH60-1AA0	1	1 unit			
Spring-type terminals 							
 3SU1401-1BG30-3AA0	6 ... 24	6 ... 24	Amber	▶	3SU1401-1BG00-3AA0	1	1 unit
			Red	▶	3SU1401-1BG20-3AA0	1	1 unit
			Yellow	▶	3SU1401-1BG30-3AA0	1	1 unit
			Green	▶	3SU1401-1BG40-3AA0	1	1 unit
			Blue	▶	3SU1401-1BG50-3AA0	1	1 unit
			White	▶	3SU1401-1BG60-3AA0	1	1 unit
			24 ... 240	24 ... 240	Amber	5	3SU1401-1BH00-3AA0
Red	▶	3SU1401-1BH20-3AA0	1	1 unit			
Yellow	5	3SU1401-1BH30-3AA0	1	1 unit			
Green	▶	3SU1401-1BH40-3AA0	1	1 unit			
Blue	▶	3SU1401-1BH50-3AA0	1	1 unit			
White	▶	3SU1401-1BH60-3AA0	1	1 unit			

¹⁾ Only for use with SIRIUS commanding and signaling devices.

Operational voltage at AC	Operational voltage at DC	SD	Screw terminals 	PU (UNIT, SET, M)	PS*
V	V	d	Article No.	Price per PU	
LED test modules¹⁾ for front plate mounting					
 3SU1400-1CK10-1AA0	6 ... 240	6 ... 240	3	3SU1400-1CK10-1AA0	1 1 unit

¹⁾ Only to be used for SIRIUS ACT LED modules (6 ... 24 V AC/DC, 24 V AC/DC, 24 ... 240 V AC/DC).

Operational voltage at AC	Operational voltage at DC	Color	SD	Socket terminals (THT) 	PU (UNIT, SET, M)	PS*
V	V		d	Article No.	Price per PU	
LED modules¹⁾ for mounting on printed-circuit boards						
 3SU1401-3BA20-5AA0	--	5	Amber	5	3SU1401-3BA00-5AA0	1 1 unit
			Red	5	3SU1401-3BA20-5AA0	1 1 unit
			Yellow	5	3SU1401-3BA30-5AA0	1 1 unit
			Green	3	3SU1401-3BA40-5AA0	1 1 unit
			Blue	5	3SU1401-3BA50-5AA0	1 1 unit
			White	3	3SU1401-3BA60-5AA0	1 1 unit

¹⁾ Only for use with SIRIUS commanding and signaling devices.

Modules for Actuators and Indicators

AS-Interface modules

Selection and ordering data

Operational voltage	Slave type	Number of digital inputs		Number of digital outputs	SD	Screw terminals + Spring-type terminals		PU (UNIT, SET, M)	PS*
		Standard	Safety-related			Article No.	Price per PU		
V					d				
AS-Interface modules for front plate mounting									
30	2 F-DI	--	2	--	5	3SU1400-1EA10-2AA0	+	1	1 unit
	2 F-DI + 1 LED	--	2	1	5				
30	2 F-DI + 1 DQ	--	2	1	5	3SU1400-1EC10-2AA0	+	1	1 unit
		--	2	1	5				
30	2 F-DI	--	2	--	5	3SU1400-1EA10-4AA0	+	1	1 unit
	2 F-DI + 1 LED	--	2	1	▶				
30	2 F-DI + 1 DQ	--	2	1	5	3SU1400-1EC10-4AA0	+	1	1 unit
		--	2	1	5				
30	4 DI/3 DQ AB	4	--	3	5	3SU1400-1EJ10-6AA0	+	1	1 unit
	4 DI/4 DQ	4	--	4	5				



3SU1400-1EA10-2AA0



3SU1400-1EC10-2AA0



3SU1400-1EA10-4AA0



3SU1400-1EC10-4AA0



3SU1400-1EJ10-6AA0

Modules for Actuators and Indicators

Electronic modules for IO-Link/support terminals

Selection and ordering data

Operational voltage	Slave type	Number of digital inputs	Number of digital outputs	SD	Spring-type terminals (push-in)	PU (UNIT, SET, M)	PS*
V				d	Article No.	Price per PU	
Electronic modules for IO-Link, front panel mounting							
24	Freely programmable (default (6 DI/2 DQ))	0 ... 8	0 ... 8	5	3SU1400-1HL10-6AA0		1 1 unit



3SU1400-1HL10-6AA0

Selection and ordering data

Color	SD	Screw terminals	PU (UNIT, SET, M)	PS*
	d	Article No.	Price per PU	
Support terminals				
Black	3	3SU1400-1DA10-1AA0	1	1 unit
Blue	5	3SU1400-1DA50-1AA0	1	1 unit
Green/Yellow	3	3SU1400-1DA43-1AA0	1	1 unit
Spring-type terminals				
Black	5	3SU1400-1DA10-3AA0	1	1 unit
Blue	5	3SU1400-1DA50-3AA0	1	1 unit
Green/Yellow	5	3SU1400-1DA43-3AA0	1	1 unit



3SU1400-1DA10-1AA0




3SU1400-1DA50-3AA0




Modules for Actuators and Indicators

Electronic modules for ID key-operated switches

Technical specifications

		3SU1400-1GC10-1AA0	3SU1400-1GD10-1AA0
Communication/protocol			
Protocol is supported by IO-Link protocol		No	Yes
Product function		Group ID 24 V DC	IO-Link 24 V DC
IO-Link transfer rate		--	COM2 (38.4 kBaud)
Point-to-point cycle time between the master and the IO-Link device, minimum	ms	--	10
Type of power supply via IO-Link master		--	Yes
Data volume			
• Of the address area of the inputs with cyclic transfer total	bytes	--	2
• Of the address area of the outputs with cyclic transfer total	bytes	--	0
Number of NO contacts		5	
General data			
Impulse withstand voltage, rated value	kV	0.8	
Rated insulation voltage	V	30	
Pollution degree		3	
Type of voltage			
• Of operational voltage		DC	
• Of input voltage		DC	
Operational voltage			
• At DC, rated value	V	24	
• Rated value	V	18 ... 30	
Current consumed, maximum	mA	49	
Ambient temperature			
• During operation	°C	-25 ... +70	
• During storage	°C	-40 ... +80	
Degree of protection		IP20	
Touch protection against electric shock		Finger-safe	
Connections			
Type of electrical connection		Screw terminals 	
Connectable conductor cross-section for auxiliary contacts			
• Solid	- With end sleeves	mm ²	1 x (0.2 ... 2.5), 2 x (0.2 ... 0.75)
	- Without end sleeves	mm ²	1 x (0.2 ... 2.5), 2 x (0.2 ... 0.75)
• Finely stranded	- With end sleeves	mm ²	1 x (0.2 ... 2.5), 2 x (0.25 ... 0.75)
	- Without end sleeves	mm ²	1 x (0.2 ... 2.5), 2 x (0.2 ... 0.75)
AWG number as coded connectable conductor cross-section		26 ... 14	
Tightening torque for screw terminals	Nm	0.35 ... 0.4	

Selection and ordering data

Type of power supply via IO-Link master	Protocol is supported IO-Link protocol	Number of NO contacts	IO-Link transfer rate	SD	Screw terminals 	PU (UNIT, SET, M)	PS*	PG
					Article No.	Price per PU		
Electronic modules for ID key-operated switches¹⁾								
--	No	5	--	▶	3SU1400-1GC10-1AA0	1	1 unit	41J
								
3SU1400-1GC10-1AA0								
Yes	Yes	5	COM2 (38.4 kBaud)	▶	3SU1400-1GD10-1AA0	1	1 unit	41J
								
3SU1400-1GD10-1AA0								

¹⁾ Only use in conjunction with plastic holder 3SU1500-0AA10-0AA0.

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Interface modules for PROFINET/terminal modules

Selection and ordering data

Supply voltage at DC V	Number of interfaces according to PROFINET SIL claim limit acc. to EN 62061	Number of digital inputs		Number of digital outputs	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
		Standard	Safety-related						

Interface modules for PROFINET



3SU1400-1LK10-1AA1

Interface modules

24	1	0	0	0	5	3SU1400-1LK10-1AA1		1	1 unit
	--	4	0	1	5	3SU1400-1LK10-1BA1		1	1 unit

Screw terminals

Spring-type terminals

24	1	0	0	0	5	3SU1400-1LK10-3AA1		1	1 unit
	--	4	0	1	5	3SU1400-1LK10-3BA1		1	1 unit

Screw terminals

Fail-safe interface modules

24	1	4	0	1	5	3SU1400-1LL10-1BA1		1	1 unit
	SIL CL 3								

Spring-type terminals

24	1	4	0	1	5	3SU1400-1LL10-3BA1		1	1 unit
	SIL CL 3								



3SU1400-1LL10-3BA1

Selection and ordering data

Type of product	Color of light source	SD	Insulation displacement connection	PU (UNIT, SET, M)	PS*
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Terminal modules



3SU1401-1ME60-1DA1

With 2 contacts	--	5	3SU1401-1MA10-1BA1	1	1 unit
With 2 contacts and integrated LED	Amber	5	3SU1401-1MC00-1CA1	1	1 unit
	Red	5	3SU1401-1MC20-1CA1	1	1 unit
	Yellow	5	3SU1401-1MC30-1CA1	1	1 unit
	Green	5	3SU1401-1MC40-1CA1	1	1 unit
	Blue	5	3SU1401-1MC50-1CA1	1	1 unit
	White	5	3SU1401-1MC60-1CA1	1	1 unit
With integrated LED	Amber	5	3SU1401-1ME00-1DA1	1	1 unit
	Red	5	3SU1401-1ME20-1DA1	1	1 unit
	Yellow	5	3SU1401-1ME30-1DA1	1	1 unit
	Green	5	3SU1401-1ME40-1DA1	1	1 unit
	Blue	5	3SU1401-1ME50-1DA1	1	1 unit
	White	5	3SU1401-1ME60-1DA1	1	1 unit

Type of product	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Memory modules for 3SK2



3RK3931-0AA00

For backing up the complete parameterization of the 3SK2 safety system without a PC/PG through the system interface

2	3RK3931-0AA00	1	1 unit
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Flat ribbon cable, see page 10/163. onwards.

LED modules for mounting on printed-circuit boards, see page 10/117 onwards.

Enclosures

General data

Overview

Design



Enclosures with standard fittings

Enclosed SIRIUS ACT pushbuttons and indicator lights are used as hand-operated control devices for separately allocated control units and cabinets. The devices are suitable for use in any climate and all have IP66, IP67, IP69 (IP69K) degree of protection, including those with cable glands.

Standards

IEC/EN 60947-5-1

Versions

The enclosed pushbuttons and indicator lights are available with conventional controls as well as for connection to AS-Interface. The following versions are available:

- Empty enclosures with between 1 and 6 command points (the installed components must be ordered separately; modules for base mounting or 1-pole contact and LED modules can be used)
- Enclosures with standard fittings with 1 to 3 command points, e.g. EMERGENCY STOP enclosure with EMERGENCY STOP mushroom pushbutton
- Enclosures with customized fittings with 1 to 6 command points
- Special enclosure for 4-position selector switches, coordinate switches, ID key-operated switches and sensor switches

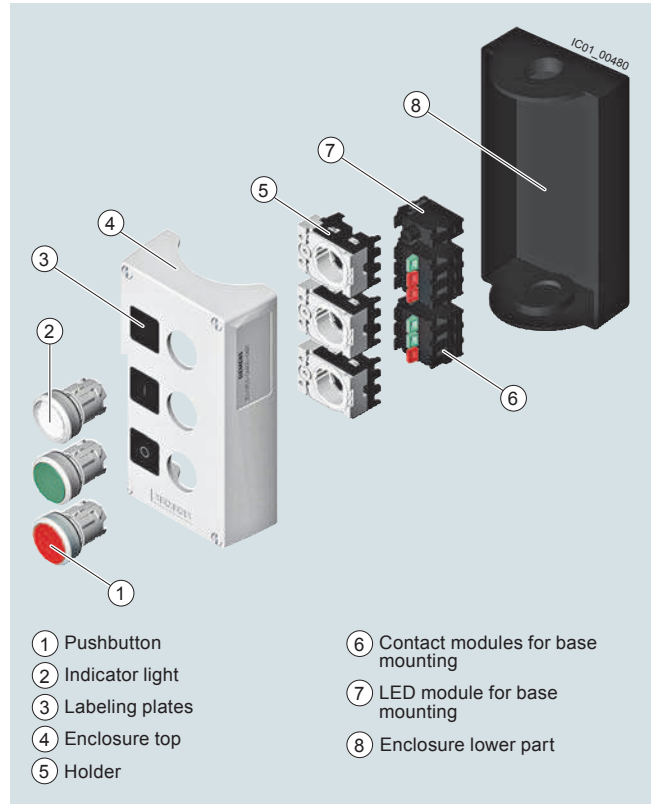
Color of the enclosures

- Top:
- Gray, RAL 7035
 - Yellow, RAL 1004 for EMERGENCY STOP
- Base:
- Black, RAL 9005

Application

The enclosures are climate-proof (KTW 24) according to EN ISO 6270-2 and suitable for stationary use, and for use in marine applications.

Enclosures with standard fittings



Pushbuttons and indicator lights in the enclosure

Customized enclosures

The fittings and labeling of the command point can be chosen using the Configurator on the Internet. The prices depend on the equipment selected, see www.siemens.com/sirius-act/configurator.

Enclosures

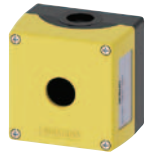
Empty enclosures

Selection and ordering data

Color of enclosure top	Number of command points	Enclosure version	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Enclosures for surface mounting

Plastic



3SU1801-0AA00-0AA2

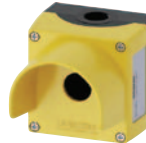
Yellow	1	Center command point	▶	3SU1801-0AA00-0AA2		1	1 unit
		With protective collar	▶	3SU1801-0AA00-0AC2		1	1 unit
		With recess for labeling plate	▶	3SU1801-0AA00-0AB2		1	1 unit



3SU1802-0AA00-0AB1

Gray	2	With recess for labeling plate	▶	3SU1802-0AA00-0AB2		1	1 unit
	1	With recess for labeling plate	▶	3SU1801-0AA00-0AB1		1	1 unit
	2	With recess for labeling plate	▶	3SU1802-0AA00-0AB1		1	1 unit
	3	With recess for labeling plate	▶	3SU1803-0AA00-0AB1		1	1 unit
	4	With recess for labeling plate	▶	3SU1804-0AA00-0AB1		1	1 unit
	6	With recess for labeling plate	▶	3SU1806-0AA00-0AB1		1	1 unit

Metal¹⁾



3SU1851-0AA00-0AC2

Yellow	1	Center command point	▶	3SU1851-0AA00-0AA2		1	1 unit
		With protective collar	3	3SU1851-0AA00-0AC2		1	1 unit
		With recess for labeling plate	▶	3SU1851-0AA00-0AB2		1	1 unit



3SU1851-0AA00-0AH1

		With protective collar for 5 padlocks, mushroom 40 mm	3	3SU1851-0AA00-0AF2		1	1 unit
		With protective collar for 5 padlocks, mushroom 40 mm with key-operated release	3	3SU1851-0AA00-0AG2		1	1 unit
		With protective collar for 5 padlocks, mushroom 60 mm	3	3SU1851-0AA00-0AH2		1	1 unit
	1	With protective collar for 5 padlocks, mushroom 60 mm	NEW 5	3SU1851-0AA00-0AJ2		1	1 unit



3SU1853-0AA00-0AB1

Gray	1	With protective collar for 5 padlocks, mushroom 60 mm	3	3SU1851-0AA00-0AH1		1	1 unit
	1	With protective collar for 5 padlocks, mushroom 60 mm	NEW 5	3SU1851-0AA00-0AJ1		1	1 unit



3SU1854-0AA00-0AB1

		With recess for labeling plate	▶	3SU1851-0AA00-0AB1		1	1 unit
		With protective collar	5	3SU1851-0AA00-0AC1		1	1 unit
	2	With recess for labeling plate	▶	3SU1852-0AA00-0AB1		1	1 unit
	3	With recess for labeling plate	▶	3SU1853-0AA00-0AB1		1	1 unit
	4	With recess for labeling plate	▶	3SU1854-0AA00-0AB1		1	1 unit
	6	With recess for labeling plate	▶	3SU1856-0AA00-0AB1		1	1 unit

Enclosure for 4-position selector switches, coordinate switches, ID key-operated switches and sensor switches

Plastic, front plate mounting



3SU1801-1AA00-1AA1

Gray	1	Center command point	3	3SU1801-1AA00-1AA1		1	1 unit
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Metal, front plate mounting

Gray	1	Center command point	5	3SU1851-1AA00-1AA1		1	1 unit
------	---	----------------------	---	---------------------------	--	---	--------

1) Only 3SU185, Metal Enclosure adaptors available to convert Metric Conduit Opening to 1/2" NPT Conduit:
 > 3SX1998, 1/2" NPT Metal Adaptor for metal enclosures with M20 x 1.5 (IP65 Max.)
 > 3SX1999, 1/2" NPT Metal Adaptor for metal enclosures with M25 x 1.5 (IP65 Max.)

Enclosures

Pushbuttons and indicator lights in the enclosure

Overview

Pushbuttons and indicator lights in the enclosure (standard fittings) are available with:

- 1 to 3 command points (equipped, for example, with A, B, C, in each case from bottom to top)
- Operational voltage up to 400 V
- Vertical mounting type
- Plastic enclosures are equipped with plastic actuators and indicators, metal enclosures are equipped with metal actuators and indicators

- Contact modules and LED modules for base mounting (are snapped into the enclosure base); screw terminals as standard; some versions also with spring-type terminals

Palm pushbuttons

Palm pushbuttons have a particularly large button surface. This means that they can be actuated quickly and easily with the hand, arm or foot.

Selection and ordering data

Color of enclosure top	Number of command points	Enclosure version Pushbutton and signaling device equipment	Color of actuating element Marking	Number of		SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
				NC contacts	NO contacts					

Enclosures with standard fittings



Plastic

Yellow 1

3SU1801-0NA00-2AA2



3SU1801-0NA00-2AC2



3SU1802-0NA00-2AB2



3SU1801-2NG00-2AA2

Screw terminals



		Center command point A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	Red	1	0	▶	3SU1801-0NA00-2AA2		1	1 unit
		A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch		2	0	NEW 5	3SU1801-0NB00-2AA2		1	1 unit
		A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch		1	1	NEW X	3SU1801-0NP00-2AA2		1	1 unit
		Center command point A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, with RONIS SB30 lock with key-operated release	Red	1	1	NEW X	3SU1801-0NN00-2AA2		1	1 unit
		With protective collar A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	Red A = I	1	0	▶	3SU1801-0NA00-2AC2		1	1 unit
		A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch		2	0	▶	3SU1801-0NB00-2AC2		1	1 unit
	2	With recess for labeling plate A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	A = Red B = Red	1	1	NEW 5	3SU1802-0NA00-2AB2		1	1 unit
		A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	A = Emergency Stop B = "without inscription"	2	1	NEW 3	3SU1802-0NB00-2AB2		1	1 unit
		B = Indicator light 24 V AC/DC	A = Red B = Red A = "Without inscription" B = "Without inscription"							
	1	Center command point A = EMERGENCY STOP palm pushbuttons with positive latching acc. to ISO 13850, pull to unlatch	Red	1	1	3	3SU1801-2NG00-2AA2		1	1 unit
		With recess for labeling plate A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	Red A = I	2	1	5	3SU1801-0NE00-4AB2		1	1 unit

Spring-type terminals



Enclosures

Pushbuttons and indicator lights in the enclosure

Color of enclosure top	Number of command points	Enclosure version Pushbutton and signaling device equipment	Color of actuating element Marking	Number of		SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
				NC contacts	NO contacts					

Enclosures with standard fittings



3SU1801-0AB00-2AB1

Plastic

Gray 1

With recess for labeling plate	Green	A = I	0	1	3	3SU1801-0AB00-2AB1	1	1 unit
	Red	A = O	1	0	▶	3SU1801-0AC00-2AB1	1	1 unit
A = Pushbutton	White	A = I	0	1	5	3SU1801-0AD00-2AB1	1	1 unit
	Black	A = O	1	0	5	3SU1801-0AE00-2AB1	1	1 unit

Screw terminals

Spring-type terminals

With recess for labeling plate	Black		0	2	NEW 5	3SU1801-0BA00-4AB1	1	1 unit
A = Selector switch			0	1	NEW 5	3SU1801-0BE00-4AB1	1	1 unit
With recess for labeling plate	Green	A = I	1	0	NEW 5	3SU1801-0BC00-4AB1	1	1 unit
A = Pushbutton			0	1	NEW 5	3SU1801-0BD00-4AB1	1	1 unit

Screw terminals



3SU1802-0AB00-2AB1

2

With recess for labeling plate	A = Red/ B = Green		1	1	3	3SU1802-0AB00-2AB1	1	1 unit
A = Pushbutton/ B = Pushbutton	A = O/ B = I							
	A = Black/ B = Black		1	1	5	3SU1802-0AC00-2AB1	1	1 unit
	A = O/ B = I							



3SU1803-0AB00-2AB1

3

With recess for labeling plate	A = Red/ B = Green/ C = Clear		1	1	▶	3SU1803-0AB00-2AB1	1	1 unit
A = Pushbutton/ B = Pushbutton/ C = Indicator light	A = O/ B = I/ C = "Without inscription"							
	A = Black/ B = White/ C = Clear		1	1	5	3SU1803-0AC00-2AB1	1	1 unit
	A = O/ B = I/ C = "Without inscription"							
With recess for labeling plate	A = Red/ B = Black/ C = Black		1	2	5	3SU1803-0AD00-2AB1	1	1 unit
A = Pushbutton/ B = Pushbutton/ C = Pushbutton	A = O/ B = I/ C = II							










3SU1801-2GA00-2AA1

1

Center command point	Black		0	1	3	3SU1801-2GA00-2AA1	1	1 unit
A = Palm pushbutton, momentary-contact type								

Enclosures

Pushbuttons and indicator lights in the enclosure

Color of enclosure top	Number of command points	Enclosure version Pushbutton and signaling device equipment	Color of actuating element Marking	Number of NC contacts	Number of NO contacts	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	
Enclosures with standard fittings											
							Screw terminals				
	Metal¹⁾ Yellow	1	Center command point	Red	1	0	3				
3SU1851-0NA00-2AA2			A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch		2	0	5		1	1 unit	
			With protective collar	Red	1	0	▶ 3		1	1 unit	
3SU1851-0NA00-2AC2			A = EMERGENCY STOP mushroom pushbuttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch		2	0	3		1	1 unit	
					2	0	NEW 5		1	1 unit	
					2	1	5		1	1 unit	
		1	Center command point	Red	1	1	3		1	1 unit	
3SU1851-2NG00-2AA2			A = EMERGENCY STOP palm pushbuttons with positive latching acc. to ISO 13850								
			Pull to unlatch								
	Gray	1	With recess for labeling plate	Green	A = I	0	1	5	3SU1851-0AB00-2AB1	1	1 unit
3SU1851-0AC00-2AB1			A = Pushbutton	Red	A = O	1	0	5	3SU1851-0AC00-2AB1	1	1 unit
				White	A = I	0	1	5	3SU1851-0AD00-2AB1	1	1 unit
				Black	A = O	1	0	5	3SU1851-0AE00-2AB1	1	1 unit
		2	With recess for labeling plate	A = Red/ B = Green	1	1	5	3SU1852-0AB00-2AB1	1	1 unit	
3SU1852-0AB00-2AB1			A = Pushbutton/ B = Pushbutton	A = O/ B = I							
				A = Black/ B = White	1	1	5	3SU1852-0AC00-2AB1	1	1 unit	
		3	With recess for labeling plate	A = Red/ B = Green/ C = Clear	1	1	5	3SU1853-0AB00-2AB1	1	1 unit	
3SU1853-0AB00-2AB1			A = Pushbutton/ B = Pushbutton/ C = Indicator light	A = O/ B = I/ C = "Without inscription"							
			With recess for labeling plate	A = Red/ B = Black/ C = Black	1	2	5	3SU1853-0AD00-2AB1	1	1 unit	
		1	Center command point	Black	0	1	3	3SU1851-2GA00-2AA1	1	1 unit	
3SU1851-2GA00-2AA1			A = Palm pushbutton, momentary-contact type								

¹⁾ Only 3SU185, Metal Enclosure adaptors available to convert Metric Conduit Opening to 1/2" NPT Conduit:
 > 3SX1998, 1/2" NPT Metal Adaptor for metal enclosures with M20 x 1.5 (IP65 Max.)
 > 3SX1999, 1/2" NPT Metal Adaptor for metal enclosures with M25 x 1.5 (IP65 Max.)

Enclosures

Pushbuttons and indicator lights in the enclosure

Number of command points	Product function/ EMERGENCY STOP function	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Customized enclosures¹⁾



3SU1801-0AZ00 K0Y

Plastic

1	No		3SU1801-0AZ00 K0Y		1	1 unit
	Yes		3SU1801-0NZ00 K0Y		1	1 unit
2	No		3SU1802-0AZ00 K0Y		1	1 unit
	Yes		3SU1802-0NZ00 K0Y		1	1 unit
3	No		3SU1803-0AZ00 K0Y		1	1 unit
	Yes		3SU1803-0NZ00 K0Y		1	1 unit
4	No		3SU1804-0AZ00 K0Y		1	1 unit
	Yes		3SU1804-0NZ00 K0Y		1	1 unit
6	No		3SU1806-0AZ00 K0Y		1	1 unit
	Yes		3SU1806-0NZ00 K0Y		1	1 unit



3SU1851-0AZ00 K0Y

Metal²⁾

1	No		3SU1851-0AZ00 K0Y		1	1 unit
	Yes		3SU1851-0NZ00 K0Y		1	1 unit
2	No		3SU1852-0AZ00 K0Y		1	1 unit
	Yes		3SU1852-0NZ00 K0Y		1	1 unit
3	No		3SU1853-0AZ00 K0Y		1	1 unit
	Yes		3SU1853-0NZ00 K0Y		1	1 unit
4	No		3SU1854-0AZ00 K0Y		1	1 unit
	Yes		3SU1854-0NZ00 K0Y		1	1 unit
6	No		3SU1856-0AZ00 K0Y		1	1 unit
	Yes		3SU1856-0NZ00 K0Y		1	1 unit

¹⁾ The fittings and labeling of the command point can be chosen using the Configurator on the Internet. The prices depend on the equipment selected. When ordering, always add the article number and the code K0Y and the CIN number from the Configurator.
Ordering example:
3SU1801-0AZ00 K0Y, CIN20150609140858154554,
see www.siemens.com/sirius-act/configurator.

²⁾ Only 3SU185, Metal Enclosure adaptors available to convert Metric Conduit Opening to 1/2" NPT Conduit:
> 3SX1998, 1/2" NPT Metal Adaptor for metal enclosures with M20 x 1.5 (IP65 Max.)
> 3SX1999, 1/2" NPT Metal Adaptor for metal enclosures with M25 x 1.5 (IP65 Max.)

Enclosures

Pushbuttons and indicator lights in the enclosure for AS-Interface

Overview

With AS-Interface enclosures, distributed SIRIUS ACT pushbuttons and indicator lights can be quickly connected to the AS-Interface communication system. Using suitable components you can make your own enclosures with integrated AS-Interface or flexibly modify existing enclosures.



Enclosures for AS-Interface

Enclosures

Color of enclosure top:

- Gray, RAL 7035
- Yellow, RAL 1004 for EMERGENCY STOP

Color of enclosure base:

- Black, RAL 9005

Equipping with AS-Interface slaves

The following slaves are available for connecting the command points:

- Slave in A/B technology with 4 digital inputs and 3 digital outputs (4 DI/3 DQ)
- Slave with 4 digital inputs and 4 digital outputs (4 DI/4 DQ)
- F slave with 2 safe inputs for EMERGENCY STOP mushroom pushbutton (2 F-DI), also with integrated red LED for the illuminated EMERGENCY STOP mushroom pushbutton.

The following table shows the maximum number of slaves possible:

Number of command points	Number of slaves for enclosures without EMERGENCY STOP	Number of slaves for enclosures with EMERGENCY STOP
1	--	1 x F slave 2 F-DI
2	1 x slave 4 DI/4 DQ or 4 DI/3 DQ	--
3	1 x slave 4 DI/4 DQ or 4 DI/3 DQ	1 x slave 4 DI/4 DQ or 4 DI/3 DQ + 1 x F slave
4	2 x slave 4 DI/4 DQ or 4 DI/3 DQ	2 x slave 4 DI/4 DQ or 4 DI/3 DQ + 1 x F slave
6	2 x slave 4 DI/4 DQ or 4 DI/3 DQ	2 x slave 4 DI/4 DQ or 4 DI/3 DQ + 1 x F slave

Connection

One set of links is required in each case to connect a slave to contact modules, LED modules, and the connection element.

The connection elements are mounted in the front-end cable glands and are used to connect the AS-Interface or bring unused inputs or outputs out of the enclosure.

For connection to AS-Interface, the following options are available:

- Terminal for shaped AS-Interface cable. The cable is contacted by the insulation piercing method and routed past the enclosure on the outside (possible only with plastic enclosure).
- Cable gland for the shaped AS-Interface cable or round cable. The cable is routed into the enclosure (preferable for metal enclosure).
- Connection using M12 plug.

If less than all inputs/outputs of the installed slaves in an enclosure are used for connecting the command devices, free inputs and outputs can be routed on request to the outside through an M12 socket on the top or bottom side of the enclosure.

To supply inputs with power, the S+ connection of the slave must be assigned to the socket, for outputs the OUT- connection must be assigned. Addressing is performed using the AS-Interface connections or the integrated addressing socket. An external power supply is not required.

Enclosures with standard fittings

Enclosures with standard fittings are available with:

- 1 to 3 command points
- Operational voltage through AS-Interface (approx. 30 V)
- Vertical mounting type
- Plastic enclosures are equipped with plastic actuators and indicators, metal enclosures are equipped with metal actuators and indicators

The enclosures without EMERGENCY STOP each have one module with 4I/3O; the enclosures with EMERGENCY STOP mushroom pushbuttons have a safe AS-Interface slave integrated in the enclosure. Enclosures with EMERGENCY STOP mushroom pushbuttons are fitted with two NC contact modules, which are wired to the safe F slave.

The contact modules and LED modules (with spring-type terminals) of the command devices and the AS-Interface slaves are mounted in the base of the enclosure and connected using cables. The plastic enclosures are designed with a connection for the AS-Interface flat cable (the cable is run along the outside of the enclosure). For metal enclosures, the AS-Interface cable is run inside the enclosure.

The enclosures with EMERGENCY STOP mushroom pushbuttons are also available with an M12 connector.

Customized enclosures (selection by configurator)

To order customized 3SU18 AS-Interface enclosures with pushbuttons and indicator lights, the configurator must be used to select the fittings.


An electronic order form will be generated for the options.

For the Configurator, see www.siemens.com/sirius-act/configurator.







Enclosures

Pushbuttons and indicator lights in the enclosure for AS-Interface

Selection and ordering data

Color of enclosure top	Number of command points	Enclosure version Command point fittings	Color Marking	SD	Insulation piercing method		PU (UNIT, SET, M)	PS*
					Article No.	Price per PU		

Enclosures with standard fittings

Plastic									
	Yellow	1	With recess for labeling plate A = EMERGENCY STOP mushroom push-buttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	Red	5	3SU1801-0NB10-4HB2		1	1 unit
3SU1801-0NB10-4HB2									
			With protective collar A = EMERGENCY STOP mushroom push-buttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	Red A = I	NEW 3	3SU1801-0NB10-4HC2		1	1 unit
3SU1801-0NB10-4HC2									
	Gray	2	With recess for labeling plate A = Pushbutton/ B = Pushbutton	A = Red/ B = Green	5	3SU1802-0AB10-4HB1		1	1 unit
				A = O/ B = I	5				
3SU1802-0AB10-4HB1									
		3	With recess for labeling plate A = Pushbutton/ B = Pushbutton/ C = Indicator light	A = Red/ B = Green/ C = Clear	5	3SU1803-0AB10-4HB1		1	1 unit
				A = O/ B = I/ C = "Without inscription"					
3SU1803-0AB10-4HB1									
Metal¹⁾									
	Yellow	1	With recess for labeling plate A = EMERGENCY STOP mushroom push-buttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	Red A = I	NEW 5	3SU1851-0NB10-4GB2		1	1 unit
3SU1851-0NB10-4GB2									
			With protective collar A = EMERGENCY STOP mushroom push-buttons, 40 mm, with positive latching acc. to ISO 13850, rotate to unlatch	Red A = I	NEW 5	3SU1851-0NB10-4GC2		1	1 unit
3SU1851-0NB10-4GC2									

¹⁾ Only 3SU185, Metal Enclosure adaptors available to convert Metric Conduit Opening to 1/2" NPT Conduit:

- > 3SX1998, 1/2" NPT Metal Adaptor for metal enclosures with M20 x 1.5 (IP65 Max.)
- > 3SX1999, 1/2" NPT Metal Adaptor for metal enclosures with M25 x 1.5 (IP65 Max.)

Enclosures

Pushbuttons and indicator lights in the enclosure for AS-Interface

Number of command points	Product function/ EMERGENCY STOP function	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Customized enclosures for AS-Interface¹⁾



3SU1801-0NZ10 K0Y

Plastic					
1	Yes		3SU1801-0NZ10 K0Y		1 1 unit
2	No		3SU1802-0AZ10 K0Y		1 1 unit
	No		3SU1802-0NZ10 K0Y		1 1 unit
3	No		3SU1803-0AZ10 K0Y		1 1 unit
	Yes		3SU1803-0NZ10 K0Y		1 1 unit
4	No		3SU1804-0AZ10 K0Y		1 1 unit
	Yes		3SU1804-0NZ10 K0Y		1 1 unit
6	No		3SU1806-0AZ10 K0Y		1 1 unit
	Yes		3SU1806-0NZ10 K0Y		1 1 unit



3SU1851-0NZ10 K0Y

Metal²⁾					
1	Yes		3SU1851-0NZ10 K0Y		1 1 unit
2	No		3SU1852-0AZ10 K0Y		1 1 unit
	No		3SU1852-0NZ10 K0Y		1 1 unit
3	No		3SU1853-0AZ10 K0Y		1 1 unit
	Yes		3SU1853-0NZ10 K0Y		1 1 unit
4	No		3SU1854-0AZ10 K0Y		1 1 unit
	Yes		3SU1854-0NZ10 K0Y		1 1 unit
6	No		3SU1856-0AZ10 K0Y		1 1 unit
	Yes		3SU1856-0NZ10 K0Y		1 1 unit

¹⁾ The fittings and labeling of the command point can be chosen using the Configurator on the Internet. The prices depend on the equipment selected, see www.siemens.com/sirius-act/configurator.

²⁾ Only 3SU185, Metal Enclosure adaptors available to convert Metric Conduit Opening to 1/2" NPT Conduit:
 > 3SX1998, 1/2" NPT Metal Adaptor for metal enclosures with M20 x 1.5 (IP65 Max.)
 > 3SX1999, 1/2" NPT Metal Adaptor for metal enclosures with M25 x 1.5 (IP65 Max.)

Enclosures

Modules for enclosures

Selection and ordering data

Contact version	Number of contacts		SD	Screw terminals		PU (UNIT, SET, M)	PS*	
	NO	NC		Article No.	Price per PU			
Contact modules for base mounting								
 3SU1400-2AA10-1BA0	Silver alloy	1	0		▶	3SU1400-2AA10-1BA0	1	1 unit
		0	1		▶	3SU1400-2AA10-1CA0	1	1 unit
 3SU1400-2AA10-1LA0	Gold-plated	1	0		5	3SU1400-2AA10-1LA0	1	1 unit
		0	1		5	3SU1400-2AA10-1MA0	1	1 unit
Spring-type terminals								
 3SU1400-2AA10-3BA0	Silver alloy	1	0		▶	3SU1400-2AA10-3BA0	1	1 unit
		0	1		▶	3SU1400-2AA10-3CA0	1	1 unit
 3SU1400-2AA10-3LA0	Gold-plated	1	0		5	3SU1400-2AA10-3LA0	1	1 unit

⊕ Positive opening according to IEC 60947-5-1, Annex K.

Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System, see Section 13.

Certificate:



Enclosures

Modules for enclosures

Operational voltage at AC	Operational voltage at DC	Color	SD	Screw terminals		PU (UNIT, SET, M)	PS*
				Article No.	Price per PU		
V	V		d				
LED modules¹⁾ for base mounting							
24	24	Amber	3	3SU1401-2BB00-1AA0		1	1 unit
		Red	3	3SU1401-2BB20-1AA0		1	1 unit
		Yellow	3	3SU1401-2BB30-1AA0		1	1 unit
		Green	3	3SU1401-2BB40-1AA0		1	1 unit
		Blue	▶	3SU1401-2BB50-1AA0		1	1 unit
		White	3	3SU1401-2BB60-1AA0		1	1 unit
		110	--	Amber	5	3SU1401-2BC00-1AA0	
Red	▶			3SU1401-2BC20-1AA0		1	1 unit
Yellow	5			3SU1401-2BC30-1AA0		1	1 unit
Green	▶			3SU1401-2BC40-1AA0		1	1 unit
Blue	▶			3SU1401-2BC50-1AA0		1	1 unit
White	▶			3SU1401-2BC60-1AA0		1	1 unit
230	--			Amber	5	3SU1401-2BF00-1AA0	
		Red	▶	3SU1401-2BF20-1AA0		1	1 unit
		Yellow	5	3SU1401-2BF30-1AA0		1	1 unit
		Green	▶	3SU1401-2BF40-1AA0		1	1 unit
		Blue	▶	3SU1401-2BF50-1AA0		1	1 unit
		White	▶	3SU1401-2BF60-1AA0		1	1 unit



3SU1401-2BB60-1AA0

¹⁾ Only for use with SIRIUS commanding and signaling devices.

Operational voltage at AC	Operational voltage at DC	Color	SD	Spring-type terminals		PU (UNIT, SET, M)	PS*
				Article No.	Price per PU		
V	V		d				
LED modules¹⁾ for base mounting							
24	24	Amber	5	3SU1401-2BB00-3AA0		1	1 unit
		Red	▶	3SU1401-2BB20-3AA0		1	1 unit
		Yellow	5	3SU1401-2BB30-3AA0		1	1 unit
		Green	▶	3SU1401-2BB40-3AA0		1	1 unit
		Blue	▶	3SU1401-2BB50-3AA0		1	1 unit
		White	▶	3SU1401-2BB60-3AA0		1	1 unit
		110	--	Amber	5	3SU1401-2BC00-3AA0	
Red	▶			3SU1401-2BC20-3AA0		1	1 unit
Yellow	5			3SU1401-2BC30-3AA0		1	1 unit
Green	▶			3SU1401-2BC40-3AA0		1	1 unit
Blue	▶			3SU1401-2BC50-3AA0		1	1 unit
White	▶			3SU1401-2BC60-3AA0		1	1 unit
230	--			Amber	5	3SU1401-2BF00-3AA0	
		Red	▶	3SU1401-2BF20-3AA0		1	1 unit
		Yellow	5	3SU1401-2BF30-3AA0		1	1 unit
		Green	▶	3SU1401-2BF40-3AA0		1	1 unit
		Blue	▶	3SU1401-2BF50-3AA0		1	1 unit
		White	▶	3SU1401-2BF60-3AA0		1	1 unit





3SU1401-2BB20-3AA0


¹⁾ Only for use with SIRIUS commanding and signaling devices.

Enclosures

Modules for enclosures

Operational voltage at AC	Operational voltage at DC	Color	SD	Screw terminals	PU (UNIT, SET, M)	PS*	
V	V		d	Article No.	Price per PU		
LED modules¹⁾ for base mounting - wide voltage range							
 <p>3SU1401-2BG60-1AA0</p>	6 ... 24	6 ... 24	Amber	3	3SU1401-2BG00-1AA0	1	1 unit
			Red	▶	3SU1401-2BG20-1AA0	1	1 unit
			Yellow	5	3SU1401-2BG30-1AA0	1	1 unit
			Green	▶	3SU1401-2BG40-1AA0	1	1 unit
			Blue	▶	3SU1401-2BG50-1AA0	1	1 unit
	White	▶	3SU1401-2BG60-1AA0	1	1 unit		
	24 ... 240	24 ... 240	Amber	5	3SU1401-2BH00-1AA0	1	1 unit
			Red	▶	3SU1401-2BH20-1AA0	1	1 unit
			Yellow	5	3SU1401-2BH30-1AA0	1	1 unit
			Green	▶	3SU1401-2BH40-1AA0	1	1 unit
Blue			▶	3SU1401-2BH50-1AA0	1	1 unit	
White	▶	3SU1401-2BH60-1AA0	1	1 unit			
Spring-type terminals							
 <p>3SU1401-2BG20-3AA0</p>	6 ... 24	6 ... 24	Amber	5	3SU1401-2BG00-3AA0	1	1 unit
			Red	▶	3SU1401-2BG20-3AA0	1	1 unit
			Yellow	5	3SU1401-2BG30-3AA0	1	1 unit
			Green	▶	3SU1401-2BG40-3AA0	1	1 unit
			Blue	▶	3SU1401-2BG50-3AA0	1	1 unit
	White	▶	3SU1401-2BG60-3AA0	1	1 unit		
	24 ... 240	24 ... 240	Amber	5	3SU1401-2BH00-3AA0	1	1 unit
			Red	▶	3SU1401-2BH20-3AA0	1	1 unit
			Yellow	5	3SU1401-2BH30-3AA0	1	1 unit
			Green	▶	3SU1401-2BH40-3AA0	1	1 unit
Blue			▶	3SU1401-2BH50-3AA0	1	1 unit	
White	▶	3SU1401-2BH60-3AA0	1	1 unit			

¹⁾ Only for use with SIRIUS commanding and signaling devices.

Operational voltage at AC	Operational voltage at DC	SD	Screw terminals	PU (UNIT, SET, M)	PS*	
V	V	d	Article No.	Price per PU		
LED test modules¹⁾ for base mounting						
 <p>3SU1400-2CK10-1AA0</p>	6 ... 240	6 ... 240	▶	3SU1400-2CK10-1AA0	1	1 unit


¹⁾ Only to be used for SIRIUS ACT LED modules (6 ... 24 V AC/DC, 24 V AC/DC, 24 ... 240 V AC/DC).

Enclosures

Modules for enclosures

Operational voltage	Slave type	Number of digital inputs		Number of digital outputs	SD	Spring-type terminals (push-in)	PU (UNIT, SET, M)	PS*
		Standard	Safety-related					
V					d	Article No.	Price per PU	


AS-Interface modules, base mounting

	30	4 DI/3 DQ AB	4	0	3	5	3SU1400-2EJ10-6AA0	1	1 unit
		4 DI/4 DQ	4	0	4	▶	3SU1400-2EK10-6AA0	1	1 unit
		2 F-DI	0	2	0	5	3SU1400-2EA10-6AA0	1	1 unit
		2 F-DI + 1 LED	0	2	1	5	3SU1401-2EE20-6AA0	1	1 unit

For controlling the LEDs

3SU1400-2EJ10-6AA0


Electronic module for IO-Link, base mounting

	24	Freely programmable (default 6 DI/2 DQ)	0-8	0	0-8	5	3SU1400-2HL10-6AA0	1	1 unit
---	----	---	-----	---	-----	---	---------------------------	---	--------

3SU1400-2HL10-6AA0

Color	SD	Screw terminals	PU (UNIT, SET, M)	PS*
	d			

Support terminals

	Black	3	3SU1400-2DA10-1AA0	1	1 unit
	Blue	5	3SU1400-2DA50-1AA0	1	1 unit
	Green/Yellow	3	3SU1400-2DA43-1AA0	1	1 unit

3SU1400-2DA10-1AA0

	Black	5	3SU1400-2DA10-3AA0	1	1 unit
	Blue	5	3SU1400-2DA50-3AA0	1	1 unit
	Green/Yellow	5	3SU1400-2DA43-3AA0	1	1 unit

3SU1400-2DA50-3AA0

Enclosures

Two-hand operation consoles

Overview

Equipment

The two-hand operation consoles are pre-equipped with commanding devices. In the case of plastic enclosures the command points are equipped as standard with actuators and indicators made of plastic and in the case of metal enclosures they are equipped with actuators and indicators made of metal.

The standard equipment comprises:

- 2 black mushroom pushbuttons, diameter 40 mm, 1 NO + 1 NC
- 1 red EMERGENCY STOP mushroom pushbutton according to ISO 13850, diameter 40 mm, with positive latching, 2 NC

The plastic version can be retrofitted with up to 8 customized command points. The surface of the console has premachined breaking points for this purpose.

Application

The two-hand operation consoles are required for use with machines and systems that have hazardous areas, in order to direct both hands of the operator to one position.

The operation consoles are primarily used on presses, stamping machines, printing presses and paper converting machines, in the chemical industry and in the rubber and plastics industries.






The control command is given by pressing the two mushroom pushbuttons on the sides simultaneously (within 0.5 s of each other) and must be maintained for as long as a hazard exists.

For the further processing of control commands, evaluation units are used, e.g. 3SK11 safety relays or the 3RK3, 3SK2 Modular Safety System.

Standards

The two-hand operation consoles comply with the requirements of EN 574.

Selection and ordering data

	Version of actuating element/ unlatching method/ operating principle	Color of actuating element	Number of		SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
			NO contacts	NC contacts					
Two-hand operation consoles									
Plastic									
 3SU1803-3NB00-1AE1	None	--	0	0	5	3SU1803-3AA00-0AA1		1	1 unit
	A = Mushroom pushbutton/ momentary contact B = EMERGENCY STOP mushroom pushbutton/ rotate to unlatch C = Mushroom pushbutton/ momentary contact	A = Black/ B = Red/ C = Black	2	4	5	3SU1803-3NB00-1AE1		1	1 unit
	Metal								
 3SU1853-3AA00-0AA1	None	--	0	0	5	3SU1853-3AA00-0AA1		1	1 unit
	A = Mushroom pushbutton/ momentary contact B = EMERGENCY STOP mushroom pushbutton/ rotate to unlatch C = Mushroom pushbutton/ momentary contact	A = Black/ B = Red/ C = Black	2	4	5	3SU1853-3NB00-1AA1		1	1 unit
 3SU1853-3NB00-1AA1			2	4	5	3SU1853-3NB00-1AD1		1	1 unit
			2	4	5	3SU1853-3NB00-1AD1		1	1 unit
 3SU1853-3NB00-1AD1			2	4	5	3SU1853-3NB00-1AD1		1	1 unit
	Version	Material	Color		SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Accessories									
Stands for two-hand operation consoles									
 3SU1950-0HN10-0AA0			Metal	Black	5	3SU1950-0HN10-0AA0		1	1 unit
			Metal	Black	5	3SU1950-0HN10-0AA0		1	1 unit

Labels

Insert labels

Overview

Labels can be inserted for identification purposes in pushbuttons (clear) and in illuminated pushbuttons with a flat button. These insert labels are made of semi-transparent plastic with black inscription; they can be fitted in any 90° angle.



Inscription

The inscription is in upper/lower case, all words begin with upper case letters. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417.

The insert labels without inscription are suitable for user marking with permanent pen.

For customized inscription, see "Options" on page 10/138.

Selection and ordering data

Color	Marking	DT	Order No.	PU (UNIT, SET, M)	PS*	
Insert labels						
For self-inscription						
	Clear/Black (label/lettering)	None	B	3SU1900-0AB71-0AA0	100 10 units	
	For customized inscription					
	Clear/Black (label/lettering)	None	B	3SU1900-0AB71-0AZ0	100 10 units	
	Inscription in English					
	Clear/Black (label/lettering)	On	B	3SU1900-0AB71-0DJ0	100	10 units
		Off	B	3SU1900-0AB71-0DK0	100	10 units
		Up	B	3SU1900-0AB71-0DL0	100	10 units
		Down	B	3SU1900-0AB71-0DM0	100	10 units
		Forward+	B	3SU1900-0AB71-0DN0	100	10 units
		Right	B	3SU1900-0AB71-0DQ0	100	10 units
		Left	B	3SU1900-0AB71-0DR0	100	10 units
		Stop	B	3SU1900-0AB71-0DS0	100	10 units
		Start	B	3SU1900-0AB71-0DT0	100	10 units
		Reset	B	3SU1900-0AB71-0DU0	100	10 units
		Test	B	3SU1900-0AB71-0DV0	100	10 units
		Open	B	3SU1900-0AB71-0DW0	100	10 units
		Close	B	3SU1900-0AB71-0DX0	100	10 units
		Running	B	3SU1900-0AB71-0EB0	100	10 units
		Fast	B	3SU1900-0AB71-0EE0	100	10 units
Slow		B	3SU1900-0AB71-0EF0	100	10 units	

Labels

Insert labels

Color	Marking	Symbol No.	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
-------	---------	------------	----	-------------	--------------	-------------------	-----

Insert labels

With symbol (ON/OFF)



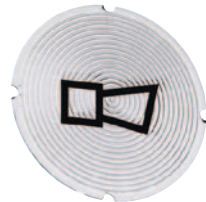
3SU1900-0AB71-0QCO

Milky white/black (label/lettering)	O	5008 IEC	▶	3SU1900-0AB71-0QA0		100	10 units
	I	5007 IEC	▶	3SU1900-0AB71-0QB0		100	10 units
	II	--	5	3SU1900-0AB71-0QC0		100	10 units
	III	--	5	3SU1900-0AB71-0QD0		100	10 units

With symbol (graphic)



3SU1900-0AB71-0QT0



3SU1900-0AB71-0RB0



3SU1900-0AB71-0RNO

Milky white/black (label/lettering)	→	ARROW DIRECTION TO RIGHT	5022 IEC	▶	3SU1900-0AB71-0QR0	100	10 units
	↖	ARROW DIRECTION UP AND TO LEFT	--	▶	3SU1900-0AB71-0QS0	100	10 units
	↻	CLOCKWISE ROTATION	0004 ISO	5	3SU1900-0AB71-0QT0	100	10 units
	↺	COUNTERCLOCK- WISE ROTATION	--	5	3SU1900-0AB71-0QU0	100	10 units
	⚡	RAPID TRAVERSE	0266 ISO	5	3SU1900-0AB71-0QV0	100	10 units
	⚡	FEED	0259 ISO	5	3SU1900-0AB71-0QW0	100	10 units
	+	INCREASE, PLUS	5005 IEC	5	3SU1900-0AB71-0QX0	100	10 units
	-	DECREASE, MINUS	5006 IEC	5	3SU1900-0AB71-0QY0	100	10 units
	🏠	ELECTRIC MOTOR	0011 ISO	5	3SU1900-0AB71-0RA0	100	10 units
	📣	HORN	5014 IEC	5	3SU1900-0AB71-0RB0	100	10 units
	🚰	WATER INLET	--	5	3SU1900-0AB71-0RC0	100	10 units
	⊕	PUMP	0134 ISO	5	3SU1900-0AB71-0RD0	100	10 units
	⊕	COOLANT PUMP	0355 ISO	5	3SU1900-0AB71-0RE0	100	10 units
	🔩	LOCK, TIGHTEN	5653 IEC	5	3SU1900-0AB71-0RF0	100	10 units
	🔓	UNLOCK, UNCLAMP	5652 IEC	5	3SU1900-0AB71-0RG0	100	10 units
	🛑	BRAKE	--	5	3SU1900-0AB71-0RH0	100	10 units
	🔓	RELEASE BRAKE	0021 ISO	5	3SU1900-0AB71-0RJ0	100	10 units
	🔒	INTERLOCK	0022 ISO	5	3SU1900-0AB71-0RK0	100	10 units
	🔓	UNLOCK	0023 ISO	5	3SU1900-0AB71-0RL0	100	10 units
	⊙	SET UP	0910 ISO	5	3SU1900-0AB71-0RM0	100	10 units
	⊕	ON/OFF, MOMENTARY CONTACT TYPE	5011 IEC	5	3SU1900-0AB71-0RNO	100	10 units
	👤	MANUAL OPERATION	0096 ISO	5	3SU1900-0AB71-0RP0	100	10 units
	🔄	AUTOMATIC CYCLE	0017 ISO	▶	3SU1900-0AB71-0RQ0	100	10 units
	👉	SUCTION	--	5	3SU1900-0AB71-0RR0	100	10 units
	👈	BLOWING	--	5	3SU1900-0AB71-0RS0	100	10 units

Labels

Insert labels

Options

Customized inscriptions

The labels can be inscribed with text and symbols not listed in the ordering data.

By default, a letter height of 4 mm (for a single line of text) or 3 mm (for two or three lines of text) is used for text inscriptions.

The typeface used is Arial. Other letter heights and typefaces are possible, but must be specified when ordering.

For round insert labels, the maximum possible number of characters per line is:

- 10 characters for one line of text
- 8 characters for 2 lines of text
- 6 characters for 3 lines of text, but 10 characters in the middle line

Examples for customized inscription



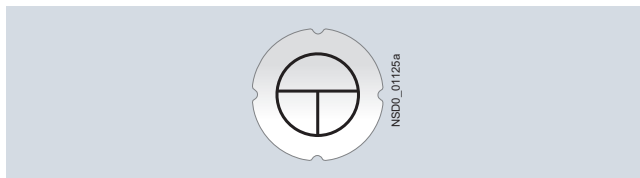
Two-line inscription in upper/lower case lettering (Q0Y)



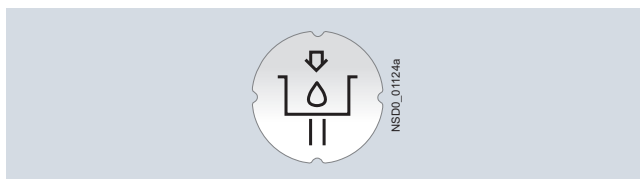
Single-line inscription in upper case lettering (Q1Y)



Three-line inscription in lower case letters (Q2Y)



Symbol number 5011 according to IEC 60417 (Q3Y)



Any symbol according to order form supplement (Q9Y)

Ordering notes

Append the following order codes to the Order No.:

- Text line(s) in upper/lower case, upper case always for beginning of line (e.g. "Lift / Off"): **Q0Y**
- Text line(s) in upper case (e.g. "LIFT"): **Q1Y**
- Text line(s) in lower case (e.g. "lift / off / lower"): **Q2Y**
- Text line(s) in upper/lower case, all words begin with upper case letters (e.g. "On Off"): **Q5Y**
- Symbol with number according to ISO 7000 or IEC 60417: **Q3Y**
- Any inscription or symbol according to order form supplement: **Q9Y**

When ordering, specify the required inscription in plain text in addition to the article number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language. In the case of multi-line inscriptions, the text must be assigned to the respective line, e.g. "Z1 = Lift, Z2 = Lower". For long words you can also specify the end-of-line division; see [ordering example 1](#)

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417; see [ordering examples 2 and 3](#)

The SIRIUS ACT Configurator must be used to select customized inscriptions and symbols (order code Q9Y). In this case a "CIN" (Configuration Identification Number) is generated for placement of future orders. It is then possible to place an order directly using the CIN and the SIRIUS ACT Configurator (Mall shopping cart) or via the standard order channels.

Standard ordering channels:

- Configurator: www.siemens.com/sirius-act/configurator
- Electronic Catalog CA 01 on DVD
- Industry Mall: www.usa.siemens.com/industrymall

Ordering example 1

A label with 2 lines of text is required:

3SU1900-0AB71-0AZ0
Q1Y
Z1 = LIFT
Z2 = LOWER

Ordering example 2

A label inscribed with symbol No. 5011 according to IEC 60417 is required:

3SU1900-0AB71-0AZ0
Q3Y
Z = 5011 IEC

Ordering example 3




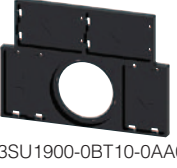



A label inscribed with symbol No. 1118 according to ISO 7000 is required:

3SU1900-0AB71-0AZ0
Q3Y
Z = 1118 ISO

Labels



Label holders for labeling plates

Selection and ordering data

Material Label holder shape	Label holder color	Label fastening method	Labeling plate size		SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	
			Height mm	Width mm						
Label holders for labeling plates										
	Plastic With rounded bottom	Black	Self-adhesive	12.5	27	▶	3SU1900-0AG10-0AA0	100	10 units	
				17.5	27	▶	3SU1900-0AH10-0AA0	100	10 units	
				27	27	▶	3SU1900-0AJ10-0AA0	100	10 units	
		Snap-on	Black	Snap-on	12.5	27	▶	3SU1900-0AR10-0AA0	100	10 units
					17.5	27	▶	3SU1900-0AS10-0AA0	100	10 units
					27	27	▶	3SU1900-0AT10-0AA0	100	10 units
3SU1900-0AG10-0AA0										
	Plastic, with square bottom	Black	Self-adhesive	12.5	27	3	3SU1900-0AN10-0AA0	100	10 units	
				17.5	27	▶	3SU1900-0AP10-0AA0	100	10 units	
				27	27	5	3SU1900-0AQ10-0AA0	100	10 units	
3SU1900-0AN10-0AA0										
For 2 labeling plates										
	Plastic, with rounded bottom	Black	Self-adhesive	17.5	27	▶	3SU1900-0BQ10-0AA0	1	1 unit	
				Snap-on	17.5	27	▶	3SU1900-0BR10-0AA0	1	1 unit
3SU1900-0BQ10-0AA0										
For 4 labeling plates										
	Plastic, with rounded bottom	Black	Self-adhesive	17.5	27	▶	3SU1900-0BS10-0AA0	1	1 unit	
				Snap-on	17.5	27	▶	3SU1900-0BT10-0AA0	1	1 unit
3SU1900-0BT10-0AA0										
For actuators and indicators, 30 mm NEW										
	Metal, matte With rounded bottom	Black	Self-adhesive	17.5	27	▶	3SU1960-0AH10-0AA0	1	10 units	
				Snap-on	17.5	27	▶	3SU1960-0AS10-0AA0	1	10 units
3SU1960-0AH10-0AA0										
Label holders for labeling plates, coordinate switches										
	Plastic, with square bottom	Black	Self-adhesive	27	27	▶	3SU1900-0AL10-0AA0	1	1 unit	
3SU1900-0AL10-0AA0										
	Plastic, cross	Black	Self-adhesive	27	27	▶	3SU1900-0AM10-0AA0	1	1 unit	
3SU1900-0AM10-0AA0										

Labels

Label holders for labeling plates

Material Label holder shape	Label holder color	Label fastening method	Labeling plate size		SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
			Height mm	Width mm					
Label holders for labeling plates, twin pushbuttons									
	Plastic, rectangular	Black	Self-adhesive	12.5	27	▶	3SU1900-0AK10-0AA0	100	10 units
3SU1900-0AK10-0AA0									
Single frames									
	Plastic, square	Black	--	29.8	29.8	▶	3SU1900-0AX10-0AA0	1	10 units
3SU1900-0AX10-0AA0									

Labels

Labeling plates

Overview

The backing plates consist of a black molded-plastic label holder and a labeling plate (black with white print or silver-colored with black print) for sticking or snapping in place. They are not suitable for EMERGENCY STOP buttons. Note mounting dimensions!

Inscription

The inscription is in upper/lower case, all words begin with upper case letters. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417.

For customized inscription, see "Options" on page 10/146.





Labeling plates for sticking/snapping in place

The labels are available in three sizes:

- 12.5 mm × 27 mm
- 17.5 mm × 27 mm
- 27 mm × 27 mm

For mounting the labeling plates, you can choose between label holders for stick-on or snap-on mounting.

Selection and ordering data

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
Labeling plates 12.5 mm x 27 mm						
For self-inscription						
	Black/White (label/lettering)	None	--	▶ 3SU1900-0AC16-0AA0	100	10 units
	For custom inscription					
	Black/White (label/lettering)	None	--	▶ 3SU1900-0AC16-0AZ0	100	10 units
	Inscription in English					
	Black/White (label/lettering)	On	--	B	3SU1900-0AC16-0DJ0	100 10 units
		Off	--	B	3SU1900-0AC16-0DK0	100 10 units
		Up	--	B	3SU1900-0AC16-0DL0	100 10 units
		Down	--	B	3SU1900-0AC16-0DM0	100 10 units
		Forward	--	▶	3SU1900-0AC16-0DN0	100 10 units
		Reverse	--	B	3SU1900-0AC16-0DP0	100 10 units
		Right	--	B	3SU1900-0AC16-0DQ0	100 10 units
		Left	--	B	3SU1900-0AC16-0DR0	100 10 units
		Stop	--	▶	3SU1900-0AC16-0DS0	100 10 units
		Start	--	▶	3SU1900-0AC16-0DT0	100 10 units
		Reset	--	B	3SU1900-0AC16-0DU0	100 10 units
		Test	--	B	3SU1900-0AC16-0DV0	100 10 units
		Open	--	▶	3SU1900-0AC16-0DW0	100 10 units
		Close	--	▶	3SU1900-0AC16-0DX0	100 10 units
		Jog	--	B	3SU1900-0AC16-0DE0	100 10 units
		Running	--	B	3SU1900-0AC16-0EB0	100 10 units
		Fault	--	B	3SU1900-0AC16-0EC0	100 10 units
		Run	--	B	3SU1900-0AC16-0ED0	100 10 units
		Stop Start	--	B	3SU1900-0AC16-0DC0	100 10 units
		Off On	--	▶	3SU1900-0AC16-0DH0	100 10 units
	Power off	--	B	3SU1900-0AC16-0DF0	100 10 units	
	Power on	--	B	3SU1900-0AC16-0DG0	100 10 units	
	Man O Auto	--	B	3SU1900-0AC16-0DY0	100 10 units	
	Man Auto	--	B	3SU1900-0AC16-0EA0	100 10 units	
	Hand Auto	--	B	3SU1900-0AC16-0DB0	100 10 units	
	Hand O Auto	--	B	3SU1900-0AC16-0DD0	100 10 units	
With symbol						
	Black/White (label/lettering)	O	--	B	3SU1900-0AC16-0QA0	100 10 units
		I	--	B	3SU1900-0AC16-0QB0	100 10 units
		O I	--	B	3SU1900-0AC16-0QG0	100 10 units
		1 2	--	B	3SU1900-0AC16-0QJ0	100 10 units
		↑ ARROW DIRECTION UP	--	B	3SU1900-0AC16-0QS0	100 10 units




Labels

Labeling plates

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*	
Labeling plates 17.5 mm x 27 mm							
For self-inscription							
	Black/White (label/lettering)	None	--	▶ 3SU1900-0AD16-0AA0	100	10 units	
	For custom inscription						
	Black/White (label/lettering)	None	--	▶ 3SU1900-0AD16-0AZ0	100	10 units	
Inscription in English							
	Black/White (label/lettering)	Stop Start	--	B	3SU1900-0AD16-0DC0	100	10 units
		On	--	B	3SU1900-0AD16-0DJ0	100	10 units
		Off	--	B	3SU1900-0AD16-0DK0	100	10 units
		Up	--	B	3SU1900-0AD16-0DL0	100	10 units
		Down	--	B	3SU1900-0AD16-0DM0	100	10 units
		Forward	--	B	3SU1900-0AD16-0DN0	100	10 units
		Reverse	--	B	3SU1900-0AD16-0DP0	100	10 units
		Right	--	B	3SU1900-0AD16-0DQ0	100	10 units
		Stop	--	B	3SU1900-0AD16-0DS0	100	10 units
		Start	--	B	3SU1900-0AD16-0DT0	100	10 units
		Open	--	B	3SU1900-0AD16-0DW0	100	10 units
		Close	--	B	3SU1900-0AD16-0DX0	100	10 units
		Man Auto	--	B	3SU1900-0AD16-0EA0	100	10 units
		Running	--	B	3SU1900-0AD16-0EB0	100	10 units
	Fault	--	B	3SU1900-0AD16-0EC0	100	10 units	
	Hand Auto	--	B	3SU1900-0AD16-0DB0	100	10 units	
With symbol							
	Black/White (label/lettering)	O	5008 IEC	B	3SU1900-0AD16-0QA0	100	10 units
		I	5007 IEC	B	3SU1900-0AD16-0QB0	100	10 units
		O I	--	B	3SU1900-0AD16-0QG0	100	10 units
		→ ARROW DIRECTION TO RIGHT	5022 IEC	B	3SU1900-0AD16-0QR0	100	10 units
		↑ ARROW DIRECTION UP	--	B	3SU1900-0AD16-0QS0	100	10 units

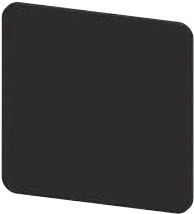





Labels

Labeling plates

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
Labeling plates 17.5 mm x 27 mm						
For self-inscription						
	Silver/Black (label/lettering)	None	--	A	3SU1900-0AD81-0AA0	100 10 units
	For custom inscription					
	Silver/Black (label/lettering)	None	--	A	3SU1900-0AD81-0AZ0	100 10 units
Inscription in English						
	Silver/Black (label/lettering)	On	--	B	3SU1900-0AD81-0DJ0	100 10 units
		Off	--	B	3SU1900-0AD81-0DK0	100 10 units
		Stop	--	B	3SU1900-0AD81-0DS0	100 10 units
		Start	--	B	3SU1900-0AD81-0DT0	100 10 units
		Reset	--	B	3SU1900-0AD81-0DU0	100 10 units
		Man O Auto	--	B	3SU1900-0AD81-0DY0	100 10 units
		Fault	--	B	3SU1900-0AD81-0EC0	100 10 units
		Hand Auto	--	B	3SU1900-0AD81-0DB0	100 10 units
		Hand O Auto	--	B	3SU1900-0AD81-0DD0	100 10 units
With symbol						
	Silver/Black (label/lettering)	O	5008 IEC	B	3SU1900-0AD81-0QA0	100 10 units
		I	5007 IEC	B	3SU1900-0AD81-0QB0	100 10 units
		O I	--	B	3SU1900-0AD81-0QG0	100 10 units
		I O II	--	B	3SU1900-0AD81-0QK0	100 10 units
		I O 2	--	B	3SU1900-0AD81-0QL0	100 10 units
		→ ARROW DIRECTION TO RIGHT	5022 IEC	B	3SU1900-0AD81-0QR0	100 10 units
		↑ ARROW DIRECTION UP	--	B	3SU1900-0AD81-0QS0	100 10 units

Labels

Labeling plates

	Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
Labeling plates 27 mm x 27 mm							
	For self-inscription						
	Black/White (label/lettering)	None	--	▶	3SU1900-0AE16-0AA0	100	10 units
	For custom inscription						
	Black/White (label/lettering)	None	--	▶	3SU1900-0AE16-0AZ0	100	10 units
3SU1900-0AE16-0AA0							
	For self-inscription			A	3SU1900-0AE81-0AA0	100	10 units
	Silver/Black (label/lettering)						
	For custom inscription			A	3SU1900-0AE81-0AZ0	100	10 units
	Silver/Black (label/lettering)		--				
3SU1900-0AE81-0AA0							
	Inscription in English						
	Black/White (label/lettering)	On	--	B	3SU1900-0AE16-0DJ0	100	10 units
		Off	--	B	3SU1900-0AE16-0DK0	100	10 units
		Up	--	B	3SU1900-0AE16-0DL0	100	10 units
		Down	--	B	3SU1900-0AE16-0DM0	100	10 units
		Forward	--	B	3SU1900-0AE16-0DN0	100	10 units
		Reverse	--	B	3SU1900-0AE16-0DP0	100	10 units
		Stop	--	B	3SU1900-0AE16-0DS0	100	10 units
		Start	--	B	3SU1900-0AE16-0DT0	100	10 units
		EMERGENCY STOP	--	B	3SU1900-0AE16-0DA0	100	10 units
		Stop Start	--	B	3SU1900-0AE16-0DC0	100	10 units
Hand Auto		--	B	3SU1900-0AE16-0DB0	100	10 units	
3SU1900-0AE16-0DK0							
	With symbol						
	Black/White (label/lettering)	O I → ARROW DIRECTION TO RIGHT	-- 5022 IEC	B B	3SU1900-0AE16-0QG0 3SU1900-0AE16-0QR0	100 100	10 units 10 units
3SU1900-0AE16-0QG0							

Options

Customized inscriptions

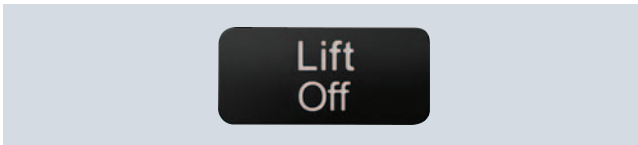
The labels can be inscribed with text and symbols not listed in the ordering data.

The following letter heights are used as standard for text inscriptions:

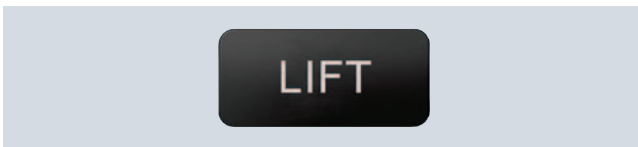
- Label size 12.5 mm × 27 mm: 3 lines with letter height 4 mm (1-line), 3.5 mm (2-line) or 2.5 mm (3-line)
- Label size 17.5 mm × 27 mm: 3 lines with letter height 4 mm (1- to 2-line) or 3 mm (3-line)
- Label size 27 mm × 27 mm: 5 lines with letter height 4 mm (1- to 5-line)

Up to 11 characters per line are possible. The typeface used is Arial. Other letter heights and typefaces are possible, but must be specified when ordering.

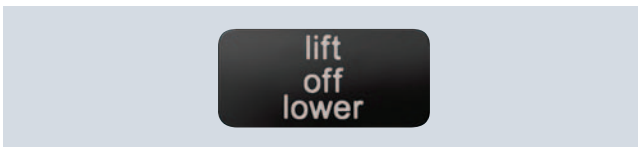
Examples for customized inscription



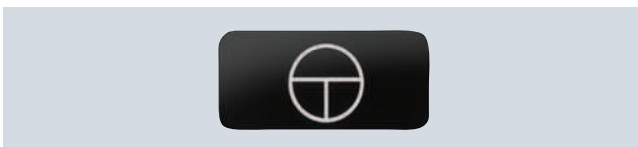
Two-line inscription in upper/lower case lettering (Q0Y)



Single-line inscription in upper case lettering (Q1Y)



Three-line inscription in lower case letters (Q2Y)



Symbol number 5011 according to IEC 60417 (Q3Y)



Any symbol according to order form supplement (Q9Y)

Ordering notes

Append the following order codes to the Order No.:

- Text line(s) in upper/lower case, upper case always for beginning of line (e.g. "Lift / Off"): **Q0Y**
- Text line(s) in upper case (e.g. "LIFT"): **Q1Y**
- Text line(s) in lower case (e.g. "lift / off / lower"): **Q2Y**
- Text line(s) in upper/lower case, all words begin with upper case letters (e.g. "On Off"): **Q5Y**
- Symbol with number according to ISO 7000 or IEC 60417: **Q3Y**
- Any inscription or symbol according to order form supplement: **Q9Y**

When ordering, specify the required inscription in plain text in addition to the article number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language.

In the case of multi-line inscriptions, the text must be assigned to the respective line, e.g. "Z1 = Lift, Z2 = Lower".

For long words you can also specify the end-of-line division; see ordering example 1

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417; see ordering examples 2 and 3

For special symbols (order code Q9Y), a CAD drawing in BMP, GIF, JPEG, PDF, PNG or TIFF format must be submitted. For special inscriptions (order code Q9Y): document in DOC or XLS format.

The SIRIUS ACT Configurator must be used to select special inscriptions and symbols (order code Q9Y). In this case a "CIN" (Configuration Identification Number) is generated for placement of future orders. It is then possible to place an order directly using the CIN and the SIRIUS ACT Configurator (Mall shopping cart) or via the standard order channels.

Standard ordering channels:

- Configurator: www.siemens.com/sirius-act/configurator
- Electronic Catalog CA 01 on DVD
- Industry Mall: www.usa.siemens.com/industrymall

Ordering example 1

A label with 2 lines of text is required:

3SU1900-0AC16-0AZ0
Q1Y
Z1 = LIFT
Z2 = LOWER

Ordering example 2

A label inscribed with symbol No. 5011 according to IEC 60417 is required:

3SU1900-0AC16-0AZ0
Q3Y
Z = 5011 IEC

Ordering example 3

A label inscribed with symbol No. 1118 according to ISO 7000 is required:

3SU1900-0AC16-0AZ0
Q3Y
Z = 1118 ISO

Labels

Labeling plates for enclosures

Overview

The labeling plates in size 22 mm x 22 mm can be attached to enclosures with cutouts for labels. There are versions in black with white print or silver-colored with black print.

Inscription

The inscription is in upper/lower case, all words begin with upper case letters. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417.

For customized inscription, see "Options" on page 10/149.

Selection and ordering data

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
-------	---------	------------	----	-----------	-------------------------	-----

Labeling plates 22 mm x 22 mm



3SU1900-0AF16-0AA0

For self-inscription

Black/White (label/lettering) None

--

▶ 3SU1900-0AF16-0AA0

100 10 units

For custom inscription

Black/White (label/lettering) None

--

▶ 3SU1900-0AF16-0AZ0

100 10 units



3SU1900-0AF16-0DM0

Inscription in English

Black/White (label/lettering)

On -- B
Off -- B
Up -- ▶
Down -- ▶
Forward -- B
Right -- B
Left -- B
Stop -- ▶
Start -- ▶
Reset -- B
Test -- ▶
Open -- B
Close -- B
Running -- B
Fault -- B
Fast -- B
Slow -- B
EMERGENCY STOP -- ▶

--

▶ 3SU1900-0AF16-0DJ0

1 10 units

▶ 3SU1900-0AF16-0DK0

1 10 units

▶ 3SU1900-0AF16-0DL0

1 10 units

▶ 3SU1900-0AF16-0DM0

1 10 units

▶ 3SU1900-0AF16-0DN0

1 10 units

▶ 3SU1900-0AF16-0DQ0

1 10 units

▶ 3SU1900-0AF16-0DR0

1 10 units

▶ 3SU1900-0AF16-0DS0

1 10 units

▶ 3SU1900-0AF16-0DT0

1 10 units

▶ 3SU1900-0AF16-0DU0

1 10 units

▶ 3SU1900-0AF16-0DV0

1 10 units

▶ 3SU1900-0AF16-0DW0

1 10 units

▶ 3SU1900-0AF16-0DX0

1 10 units

▶ 3SU1900-0AF16-0EB0

1 10 units

▶ 3SU1900-0AF16-0EC0

1 10 units

▶ 3SU1900-0AF16-0EE0

1 10 units

▶ 3SU1900-0AF16-0EF0

1 10 units

▶ 3SU1900-0AF16-0DA0

1 10 units



3SU1900-0AF16-0EC0

With symbol (ON/OFF)

Black/White (label/lettering)

O 5008 IEC -- ▶
I 5007 IEC -- ▶
II -- ▶
III -- B
O I -- B
I O II -- B
I O -- B
(one below the other)
II O I -- B
(one below the other)

--

▶ 3SU1900-0AF16-0QA0

1 10 units

--

▶ 3SU1900-0AF16-0QB0

1 10 units

--

▶ 3SU1900-0AF16-0QC0

1 10 units

--

▶ 3SU1900-0AF16-0QD0

1 10 units

--

▶ 3SU1900-0AF16-0QG0

1 10 units

--

▶ 3SU1900-0AF16-0QK0

1 10 units

--

▶ 3SU1900-0AF16-0QP0

1 10 units

--

▶ 3SU1900-0AF16-0QQ0

1 10 units



3SU1900-0AF16-0QQ0

With symbol (graphic)

Black/White (label/lettering)

→ ARROW DIRECTION TO RIGHT 5022 IEC -- ▶
PUMP 0134 ISO B --
FAN -- B --
COOLING -- B --
ILLUMINATION -- B --
MOTOR -- B --

--

▶ 3SU1900-0AF16-0QR0

1 10 units

--

▶ 3SU1900-0AF16-0RD0

1 10 units

--

▶ 3SU1900-0AF16-0RV0

1 10 units

--

▶ 3SU1900-0AF16-0RW0

1 10 units

--

▶ 3SU1900-0AF16-0RX0

1 10 units

--

▶ 3SU1900-0AF16-0RY0

1 10 units



3SU1900-0AF16-0RW0

Labels

Labeling plates for enclosures

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*		
Labeling plates 22 mm x 22 mm								
	For self-inscription							
	Silver/Black (label/lettering)	None	--	A	3SU1900-0AF81-0AA0	100	10 units	
	For custom inscription							
	Silver/Black (label/lettering)	None	--	A	3SU1900-0AF81-0AZ0	100	10 units	
Inscription in English								
	Silver/Black (label/lettering)	Stop	--	B	3SU1900-0AF81-0DS0	1	10 units	
		Start	--	B	3SU1900-0AF81-0DT0	1	10 units	
		Reset	--	B	3SU1900-0AF81-0DU0	1	10 units	
		Test	--	B	3SU1900-0AF81-0DV0	1	10 units	
		Open	--	B	3SU1900-0AF81-0DW0	1	10 units	
		Hand O Auto	--	B	3SU1900-0AF81-0DD0	1	10 units	
	3SU1900-0AF81-0DU0							
	3SU1900-0AF81-0DD0							
	With symbol (ON/OFF)							
	Silver/Black (label/lettering)	O	5008 IEC	B	3SU1900-0AF81-0QA0	1	10 units	
		I	5007 IEC	B	3SU1900-0AF81-0QB0	1	10 units	
		II	--	B	3SU1900-0AF81-0QC0	1	10 units	
		III	--	B	3SU1900-0AF81-0QD0	1	10 units	
		O I	--	B	3SU1900-0AF81-0QG0	1	10 units	
		I O II	--	B	3SU1900-0AF81-0QK0	1	10 units	
		I O (one below the other)	--	B	3SU1900-0AF81-0QP0	1	10 units	
		II O I (one below the other)	--	B	3SU1900-0AF81-0QQ0	1	10 units	
		3SU1900-0AF81-QK0						
With symbol (graphic)								
	Silver/Black (label/lettering)	→	ARROW DIRECTION TO RIGHT	5022 IEC	B	3SU1900-0AF81-0QR0	1	10 units
	3SU1900-0AF81-0QR0							

Labels

Labeling plates for enclosures

Options

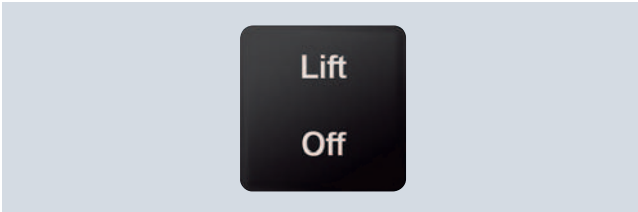
Customized inscriptions

The labels can be inscribed with texts and symbols not listed in the ordering data.

A letter height of 4 mm is used for text inscriptions (1 to 3 lines).

Up to 11 characters per line are possible. The typeface used is Arial. Other letter heights and typefaces are possible, but must be specified when ordering.

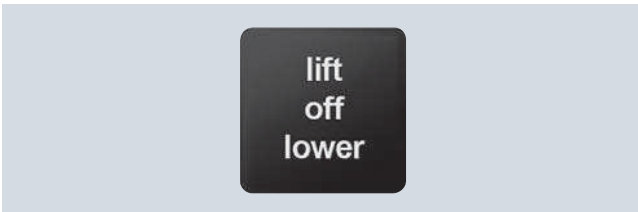
Examples for customized inscription



Two-line inscription in upper/lower case lettering (Q0Y)



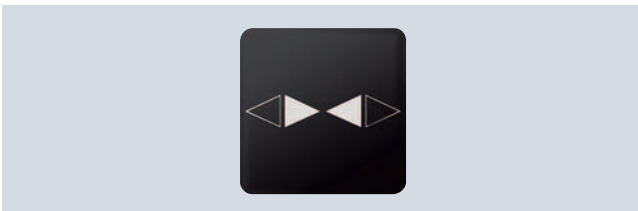
Single-line inscription in upper case lettering (Q1Y)



3SB39 backing plate for enclosures, customized inscription (Q2Y)



Symbol number 5011 according to IEC 60417 (Q3Y)



Any symbol according to order form supplement (Q9Y)

Ordering notes

Append the following order codes to the Order No.:

- Text line(s) in upper/lower case, upper case always for beginning of line (e.g. "Lift / Off"): **Q0Y**
- Text line(s) in upper case (e.g. "LIFT"): **Q1Y**
- Text line(s) in lower case (e.g. "lift / off / lower"): **Q2Y**
- Text line(s) in upper/lower case, all words begin with upper case letters (e.g. "On Off"): **Q5Y**
- Symbol with number according to ISO 7000 or IEC 60417: **Q3Y**
- Any inscription or symbol according to order form supplement: **Q9Y**

When ordering, specify the required inscription in plain text in addition to the article number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language.

In the case of multi-line inscriptions, the text must be assigned to the respective line, e.g. "Z1 = Lift, Z2 =Lower". For long words you can also specify the end-of-line division (see ordering example 1).

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417 (see ordering examples 2 and 3).

For special symbols (order code Q9Y), a CAD drawing in DXF format can be submitted.

The SIRIUS ACT Configurator must be used to select special inscriptions and symbols (order code Q9Y). In this case a "CIN" (Configuration Identification Number) is generated for placement of future orders. It is then possible to place an order directly using the CIN and the SIRIUS ACT Configurator (Mall shopping cart) or via the standard order channels.

Standard ordering channels:

- Configurator: www.siemens.com/sirius-act/configurator
- Electronic Catalog CA 01 on DVD
- Industry Mall: www.usa.siemens.com/industrymall

Ordering example 1

A label with 2 lines of text is required:

3SU1900-0AF16-0AZ0
Q1Y
Z1 = LIFT
Z2 = LOWER

Ordering example 2

A label inscribed with symbol No. 5011 according to IEC 60417 is required:

3SU1900-0AF16-0AZ0
Q3Y
Z = 5011 IEC

Ordering example 3

A label inscribed with symbol No. 1118 according to ISO 7000 is required:

3SU1900-0AF16-0AZ0
Q3Y
Z = 1118 ISO

Labels

Labels for laser printers

Overview

Label inscriptions



Using the *Label Designer* software, which can be downloaded from the Internet, and the labeling plates for laser inscription you can create your own customized labels with a standard laser printer. The self-adhesive or snap-on labels can be stuck or snapped onto the corresponding label holders. Round labels are provided for inserting in illuminated pushbuttons and switches.

The labels are suitable for inscription with one to three lines of text or symbols.

For applications with more exacting requirements we recommend factory-printed labeling plates and insert labels (laser-printed or engraved depending on the type).

For the *Label Designer* software see: www.siemens.com/sirius-label-designer








Selection and ordering data

	Fastening method	Height mm	Width mm	DT	Order No.	PU (UNIT, SET, M)	PS*
Labels for printing - insert labels							
	Insert	--	--	B	3SU1900-0BH60-0AA0	100	480 units
3SU1900-0BH60-0AA0							
Labels for printing - labeling plates							
	Self-adhesive	12.5	27.5	A	3SU1900-0BJ61-0AA0	100	480 units
		17.5	27	A	3SU1900-0BK61-0AA0	100	720 units
		27	27	A	3SU1900-0BL61-0AA0	100	480 units
		22	22	A	3SU1900-0BM61-0AA0	100	700 units
3SU1900-0BJ61-0AA0							

Labels

Other labels

Selection and ordering data

	Color	Fastening method	Outer diameter mm	Marking	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*			
EMERGENCY STOP backing plates												
	Yellow/black (label/lettering)	None	45	None	▶	3SU1900-0BA31-0AA0		1	10 units			
			45	EMERGENCY STOP (pl) NEW	5	3SU1900-0BA31-0NDD0		1	10 units			
			60	NOT-HALT, EMERGENCY STOP, ARRÊT D'URGENCE, EMERGENZA (de, en, fr, it)	5	3SU1900-0BN31-0NCO		1	10 units			
	3SU1900-0BB31-0ATO	None	75	None	▶	3SU1900-0BB31-0AA0		1	10 units			
				NOT-AUS	3	3SU1900-0BB31-0AS0		1	10 units			
				NOT-HALT	3	3SU1900-0BB31-0ATA0		1	10 units			
				EMERGENCY STOP	5	3SU1900-0BB31-0DA0		1	10 units			
				EMERGENCY STOP (pl) NEW	5	3SU1900-0BB31-0NDD0		1	10 units			
			With customized inscription									
			Yellow/black (label/lettering)	None	45	For inscriptions or symbols, see "Options", page 13/133.		3SU1900-0BA31-0AZ0		1	1 unit	
		75			3SU1900-0BB31-0AZ0		1	1 unit				
EMERGENCY STOP backing plates, illuminated (24 V AC/DC) NEW												
	Yellow/black (label/lettering)	Self-adhesive	60	None	5	3SU1901-0BD31-0AA0		1	1 unit			
				NOT-AUS	5	3SU1901-0BD31-0AS0		1	1 unit			
				NOT-HALT	5	3SU1901-0BD31-0ATA0		1	1 unit			
				EMERGENCY STOP	5	3SU1901-0BD31-0DA0		1	1 unit			
				NOT-HALT, EMERGENCY STOP, EMERGENZA, EMERGENCIA (de, en, it, sp)	5	3SU1901-0BD31-0NBB0		1	1 unit			
				With customized inscription								
3SU1901-0BD31-0AA0	Yellow/black (label/lettering)	None	60	For inscriptions or symbols, see page 10/152.		3SU1901-0BD31-0AZ0		1	1 unit			
EMERGENCY STOP backing plates												
	Yellow/black (label/lettering)	Self-adhesive	75	None	▶	3SU1900-0BC31-0AA0		1	10 units			
				NOT-AUS	3	3SU1900-0BC31-0AS0		1	10 units			
				NOT-HALT	▶	3SU1900-0BC31-0ATA0		1	10 units			
				EMERGENCY STOP	▶	3SU1900-0BC31-0DA0		1	10 units			
				ARRÊT D'URGENCE	3	3SU1900-0BC31-0GQ0		1	10 units			
				EMERGENZA	3	3SU1900-0BC31-0JA0		1	10 units			
				Nodstop	5	3SU1900-0BC31-0LA0		1	10 units			
				EMERGENCY STOP in Chinese	5	3SU1900-0BC31-0MA0		1	10 units			
				NOT-HALT, EMERGENCY STOP, EMERGENZA, EMERGENCIA (de, en, it, sp)	▶	3SU1900-0BC31-0NBB0		1	10 units			
				With customized inscription								
Yellow/black (label/lettering)	Self-adhesive	75	For inscriptions or symbols, see "Options", page 13/133.		3SU1900-0BC31-0AZ0		1	1 unit				
Labeling plates for potentiometers												
	Black/white (label/lettering)	None	40	--	▶	3SU1900-0BG16-0AA0		1	10 units			
				SYMBOL: 0 ... 9	3	3SU1900-0BG16-0RT0		1	10 units			
				SYMBOL: 0 ... 10	3	3SU1900-0BG16-0SA0		1	10 units			
				SYMBOL: Power up	▶	3SU1900-0BG16-0RU0		1	10 units			
3SU1900-0BG16-0RU0	Color	Label fastening method	Height mm	Width mm	Marking	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*		
Labeling plates for enclosures with EMERGENCY STOP												
	Yellow/black (label/lettering)	Self-adhesive	38	150	None	▶	3SU1900-0BE31-0AA0		1	10 units		
					NOT-AUS	3	3SU1900-0BE31-0AS0		1	10 units		
					NOT-HALT NEW	3	3SU1900-0BE31-0ATA0		1	10 units		
3SU1900-0BE31-0AS0	Labeling plates for enclosures with EMERGENCY STOP with recess											
	Yellow/black (label/lettering)	Self-adhesive	38	150	None	3	3SU1900-0BF31-0AA0		1	10 units		
3SU1900-0BF31-0AA0	Device labeling plates for modules with front-plate mounting											
	White/black (label/lettering)	Insert	9.5	10.5	None	5	3SU1900-0AY61-0AA0		100	10 units		
3SU1900-0AY61-0AA0												

Labels

Other labels

Options

Customized inscriptions

The labels can be inscribed with text and symbols not listed in the ordering data.

The EMERGENCY STOP backing plates can be divided into as many as four radial segments. Each segment can be custom-labeled.

The default typeface used for inscriptions with text is Arial and the text is centered.

EMERGENCY STOP backing plate 75 mm:

The font height is 5 mm.
With two radial segments up to 20 characters are permissible.
With four radial segments up to 10 characters are permissible.

EMERGENCY STOP backing plate 60 mm:

The font height is 4 mm.
With two radial segments up to 16 characters are permissible.
With four radial segments up to 8 characters are permissible.

EMERGENCY STOP backing plate 45 mm:

The font height is 4 mm.
With two radial segments up to 10 characters are permissible.

Ordering notes

Append the following order codes to the article number:

- **Q0Y:** Segment(s) in upper/lower case, always upper case for beginning of segment, e.g. Z1=Not halt Z2=Emergency stop
- **Q1Y:** Segment(s) in upper case, e.g. Z1=NOT HALT Z2=EMERGENCY STOP
- **Q2Y:** Segment(s) in lower case, e.g. Z1=not halt Z2=emergency stop
- **Q5Y:** Segment(s) in upper/lower case, all words begin with upper case letters, e.g. Z1=Not Halt Z2=Emergency Stop
- **Q3Y:** Symbol with number according to ISO 7000 or IEC 60417
- **Q9Y:** Inscription of choice, text or symbol, can only be ordered via SIRIUS ACT Configurator with a Configuration Identification Number (CIN)

When ordering, specify the required inscription in plain text without spaces, in addition to the article number and order code.

The SIRIUS ACT Configurator must be used to select special inscriptions and symbols (order code Q9Y). In this case a CIN (Configuration Identification Number) is generated for placement of future orders. It is then possible to place an order directly using the CIN and the SIRIUS ACT Configurator (Mall shopping cart) or via the standard ordering channels.

Standard ordering channels:

- Configurator: www.siemens.com/sirius-act/configurator
- Electronic Catalog CA 01 on DVD
- Industry Mall: www.siemens.com/industrymall

With ordering options Q0Y, Q1Y, Q2Y, Q3Y and Q5Y a single-line inscription of two or four radial segments can be implemented. The text or symbol must be assigned to the respective radial segments as follows:

Ordering example 1, two radial segments

An EMERGENCY STOP backing plate, diameter 75 mm, with two radial segments is required



3SU1900-0BB31-0AZ0

Q1Y

Z1=EMERGENCY
Z2=STOP

Ordering example 2, four radial segments

An EMERGENCY STOP backing plate, diameter 75 mm, with four radial segments is required



3SU1900-0BB31-0AZ0







Q1Y

Z1=E-STOP
Z2=EMERGENCIA
Z3=NOT-HALT
Z4=EMERGENZA

Overview

- Protection and access protection are for actuators and indicators with diameter 22 mm.
- The protective collars cannot be used in conjunction with label holders or single frames.

Selection and ordering data

Product designation Product version	Material	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Protective caps							
 3SU1900-0DA10-0AA0	Plastic	Black	3	3SU1900-0DA10-0AA0		1	1 unit
		Clear	3	3SU1900-0DA70-0AA0		1	1 unit
 3SU1900-0EL70-0AA0	Plastic	Black	3	3SU1900-0EL10-0AA0		1	1 unit
		Clear	3	3SU1900-0EL70-0AA0		1	1 unit
 3SU1900-0DB70-0AA0	Plastic	Clear	▶	3SU1900-0DB70-0AA0		1	1 unit
		Clear	▶	3SU1900-0ED70-0AA0		1	1 unit
 3SU1900-0DC70-0AA0	Plastic	Clear	▶	3SU1900-0DC70-0AA0		1	1 unit
		Clear	▶	3SU1900-0EE70-0AA0		1	1 unit
 3SU1900-0DD70-0AA0	Plastic	Clear	3	3SU1900-0DD70-0AA0		1	1 unit
		Clear	▶	3SU1900-0EF70-0AA0		1	1 unit
 3SU1900-0DE70-0AA0	Plastic	Clear	5	3SU1900-0DE70-0AA0		1	1 unit
		Clear	▶	3SU1900-0EG70-0AA0		1	1 unit

Accessories

Protection/access protection

Product designation Product version	Material	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Protective caps							
 3SU1900-0DF70-0AA0	Silicone protective caps for EMERGENCY STOP, 40 mm	Plastic	Clear	5	3SU1900-0DF70-0AA0	1	1 unit
 3SU1900-0DG70-0AA0	Silicone protective caps for twin pushbuttons, flat	Plastic	Clear	▶	3SU1900-0DG70-0AA0	1	1 unit
 3SU1900-0DH70-0AA0	Silicone protective caps for twin pushbuttons, raised	Plastic	Clear	▶	3SU1900-0DH70-0AA0	1	1 unit
 3SU1900-0EK70-0AA0	Silicone-free protective caps for twin pushbuttons, raised	Plastic	Clear	▶	3SU1900-0EK70-0AA0	1	1 unit
 3SU1900-0EB10-0AA0	Dust caps for key-operated switches	Plastic	Clear	▶	3SU1900-0EB10-0AA0	1	1 unit
 3SU1900-0EM70-0AA0	Protective caps for ID key-operated switches	Plastic	Clear	NEW 5	3SU1900-0EM70-0AA0	1	1 unit
 3SU1900-0EW70-0AA0	Covers for modules	Plastic	Clear	NEW 5	3SU1900-0EW70-0AA0	1	1 unit
Protective collars							
 3SU1900-0DJ10-0AA0	Sun collar for illuminated push- buttons	Plastic	Black	5	3SU1900-0DJ10-0AA0	1	1 unit
 3SU1900-0DW10-0AA0	360° protective collars for pushbuttons and selectors, short	Plastic	Black	3	3SU1900-0DW10-0AA0	1	1 unit

Accessories

Protection/access protection

Product designation Product version	Material	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Protective collars							
	Metal	Silver	5	3SU1950-ODK80-0AA0		1	1 unit
3SU1950-ODK80-0AA0	360° protective collars for pushbuttons, 22 mm Round flush & raised Actuators, Indicator Lights visibility from the side						
	Metal	Silver	5	3SU1950-ODL80-0AA0		1	1 unit
3SU1950-ODL80-0AA0	360° protective collars for mushroom pushbuttons Ø 33.3 mm & 40 mm visibility from the side						
	Plastic	Yellow Gray	▶	3SU1900-ODY30-0AA0		1	1 unit
	Plastic	Yellow	▶	3SU1900-ODY80-0AA0		1	1 unit
3SU1900-ODY30-0AA0	Protective collars for EMERGENCY STOP mushroom pushbutton Ø up-to 60 mm without lock or with RONIS lock Includes text: EMERGENCY STOP Protective Collar fits mushroom pushbutton up to 60 mm (Note: For mushroom pushbuttons > 40 mm we suggest that you add text to the mushroom head cap instead of the protective collar).						
	Plastic	Yellow	NEW 5	3SU1900-0JH30-0AA0		1	1 unit
	Metal	Yellow Gray	3 5	3SU1950-ODX30-0AA0 3SU1950-ODX80-0AA0		1	1 unit
3SU1950-ODX30-0AA0	Protective collars for EMERGENCY STOP mushroom pushbuttons for mounting on enclosures						
	Plastic	Yellow	NEW 5	3SU1900-0EX30-0AA0		1	1 unit
	Plastic	Yellow	NEW 5	3SU1900-0EA30-0AA0		1	1 unit
3SU1900-0EA30-0AA0	Protective collars for mushroom pushbutton Ø 40 mm, for 5 padlocks Ø 60 mm, for 3 padlocks						
	Plastic	Black	▶	3SU1900-0EC10-0AA0		1	1 unit
	Plastic	Black	▶				
3SU1900-0EC10-0AA0	360° protective collars for EMERGENCY STOP, SEMI-industry mushroom pushbutton Ø up-to 60 mm						
Protection for sensor switches							

Accessories

Protection/access protection

Product version	Material	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Locking devices							
 3SU1950-0DM80-0AA0	Locking devices for pushbuttons Flat, for raised front ring and raised, castellated front ring	Metal	Silver	5	3SU1950-0DM80-0AA0		1 1 unit
 3SU1950-0DN80-0AA0	Locking devices for pushbuttons Raised	Metal	Silver	5	3SU1950-0DN80-0AA0		1 1 unit
 3SU1950-0DP80-0AA0	Locking devices for mushroom pushbuttons D30, D40	Metal	Silver	5	3SU1950-0DP80-0AA0		1 1 unit
 3SU1950-0DQ80-0AA0	Locking devices for selectors Short/long actuator, in the left position	Metal	Silver	5	3SU1950-0DQ80-0AA0		1 1 unit
 3SU1950-0DR80-0AA0	Locking devices for selectors Short/long actuator, in the center position	Metal	Silver	5	3SU1950-0DR80-0AA0		1 1 unit
 3SU1950-0DS80-0AA0	Locking devices for selectors Short/long actuator, in the right position	Metal	Silver	5	3SU1950-0DS80-0AA0		1 1 unit
 3SU1950-0DT80-0AA0	Locking devices for selectors Short/long actuator, window from center to right, blocked on left	Metal	Silver	5	3SU1950-0DT80-0AA0		1 1 unit
 3SU1950-0DU80-0AA0	Locking devices for selectors Short/long actuator, window from center to left, blocked on right	Metal	Silver	5	3SU1950-0DU80-0AA0		1 1 unit
 3SU1950-0DV80-0AA0	Locking device with cover	Metal	Silver	5	3SU1950-0DV80-0AA0		1 1 unit

Accessories

Actuators

Selection and ordering data

Material	Mounting diameter	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
	mm		d				

Sealing plugs¹⁾, 22 mm

	Plastic	22	Black	▶	3SU1900-0FA10-0AA0		1	1 unit
	Metal, matte	22	Sand gray	▶	3SU1930-0FA80-0AA0		1	1 unit
	Metal, shiny	22	Silver	▶	3SU1950-0FA80-0AA0		1	1 unit
	Metal, matte	30	Sand gray	▶	3SU1960-0FA80-0AA0		1	1 unit


3SU1900-0FA10-0AA0

3SU1950-0FA80-0AA0

¹⁾ The sealing plug is mounted with a holder. Modules might already be mounted on the holder.

Type of product	Mounting diameter	Accessory color	Accessory material	SD	Screw terminals	Price per PU	PU (UNIT, SET, M)	PS*
	mm			d				


USB port

	USB 3.0	22	Black	Plastic	3	3SU1900-0GA10-0AA0		1	1 unit
			Sand gray	Metal/plastic	3	3SU1930-0GA80-0AA0		1	1 unit
			Silver	Metal, shiny	3	3SU1950-0GA80-0AA0		1	1 unit
		30	Sand gray	Metal, matte	3	3SU1960-0GA80-0AA0		1	1 unit

3SU1930-0GA80-0AA0

3SU1960-0GA80-0AA0

RJ45 connection

	RJ-45 Cat. 6	22	Black	Plastic	3	3SU1900-0GB10-0AA0		1	1 unit
			Sand gray	Metal/plastic	3	3SU1930-0GB80-0AA0		1	1 unit
			Silver	Metal, shiny	3	3SU1950-0GB80-0AA0		1	1 unit
		30	Sand gray	Metal, matte	3	3SU1960-0GB80-0AA0		1	1 unit

3SU1900-0GB10-0AA0

3SU1950-0GB80-0AA0

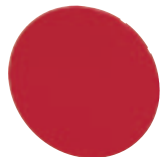
Accessories

Actuators

Material	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
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Buttons, flat¹⁾

For pushbuttons



3SU1900-0FT20-0AA0

Plastic

- Black ▶
- Red ▶
- Yellow ▶
- Green ▶
- Blue ▶
- White ▶

- ▶ 3SU1900-0FT10-0AA0
- ▶ 3SU1900-0FT20-0AA0
- ▶ 3SU1900-0FT30-0AA0
- ▶ 3SU1900-0FT40-0AA0
- ▶ 3SU1900-0FT50-0AA0
- ▶ 3SU1900-0FT60-0AA0

- 100 10 units
- 100 10 units
- 100 10 units
- 100 10 units
- 100 10 units
- 100 10 units

For illuminated pushbuttons



3SU1901-0FT30-0AA0

Plastic

- Amber ▶
- Red ▶
- Yellow ▶
- Green ▶
- Blue ▶
- White ▶
- Clear ▶

- ▶ 3SU1901-0FT00-0AA0
- ▶ 3SU1901-0FT20-0AA0
- ▶ 3SU1901-0FT30-0AA0
- ▶ 3SU1901-0FT40-0AA0
- ▶ 3SU1901-0FT50-0AA0
- ▶ 3SU1901-0FT60-0AA0
- ▶ 3SU1901-0FT70-0AA0

- 100 10 units
- 100 10 units
- 100 10 units
- 100 10 units
- 100 10 units
- 100 10 units
- 100 10 units

Buttons, raised¹⁾

For pushbuttons



3SU1900-0FS30-0AA0

Plastic

- Black ▶
- Red ▶
- Yellow ▶
- Green ▶

- ▶ 3SU1900-0FS10-0AA0
- ▶ 3SU1900-0FS20-0AA0
- ▶ 3SU1900-0FS30-0AA0
- ▶ 3SU1900-0FS40-0AA0

- 1 10 units
- 1 10 units
- 1 10 units
- 1 10 units

For illuminated pushbuttons



3SU1901-0FS40-0AA0

Plastic

- Red ▶
- Yellow ▶
- Green ▶
- Blue ▶
- Clear ▶








- ▶ 3SU1901-0FS20-0AA0
- ▶ 3SU1901-0FS30-0AA0
- ▶ 3SU1901-0FS40-0AA0
- ▶ 3SU1901-0FS50-0AA0
- ▶ 3SU1901-0FS70-0AA0

- 1 10 units
- 1 10 units
- 1 10 units
- 1 10 units
- 1 10 units

¹⁾ Buttons are not interchangeable between pushbuttons and illuminated pushbuttons with a raised front ring and with a raised front ring, castellated.

Accessories

Actuators

	Material	Key number	Version of RFID coding	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
RONIS keys									
	Metal	SB30 ¹⁾	--	Silver	▶	3SU1950-0FB80-0AA0		1	1 unit
		455			5			3SU1950-0FC80-0AA0	1
3SU1950-0FB80-0AA0									
BKS keys									
	Metal	S1 ¹⁾	--	Silver	▶	3SU1950-0FD80-0AA0		1	1 unit
					5				
3SU1950-0FD80-0AA0									
O.M.R. keys									
	Metal	73038	--	Blue	3	3SU1950-0FJ50-0AA0		1	1 unit
		73037		Red	5	3SU1950-0FK20-0AA0		1	1 unit
		73034		Black	5	3SU1950-0FL10-0AA0		1	1 unit
		73033		Yellow	5	3SU1950-0FM30-0AA0		1	1 unit
3SU1950-0FJ50-0AA0									
CES keys									
	Metal	LSG1	--	Silver	▶	3SU1950-0FN80-0AA0		1	1 unit
		SSG10 ¹⁾			5	3SU1950-0FP80-0AA0		1	1 unit
		VL5			5	3SU1950-0FQ80-0AA0		1	1 unit
3SU1950-0FP80-0AA0									
IKON keys									
	Metal	360012K1 ¹⁾	--	Silver	▶	3SU1950-0FR80-0AA0		1	1 unit
					5				
3SU1950-0FR80-0AA0									
ID keys ID group individual									
	Plastic	--	Individually coded, programmable several times	White	▶	3SU1900-0FU60-0AA0		1	1 unit
3SU1900-0FU60-0AA0									
ID keys									
	Plastic	--	ID group 1	Green	▶	3SU1900-0FV40-0AA0		1	1 unit
			ID group 2	Yellow	▶	3SU1900-0FW30-0AA0		1	1 unit
			ID group 3	Red	▶	3SU1900-0FX20-0AA0		1	1 unit
			ID group 4	Blue	▶	3SU1900-0FY50-0AA0		1	1 unit
3SU1900-0FV40-0AA0									

¹⁾ Also available with special lock. Supplement the Article No. with "-Z" and the order code "Y04" and specify the required lock in plain text. Additional price on request.

Accessories

Enclosures

Selection and ordering data

Product version	Material	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Metric cable glands							
 <p>3SU1900-0HG10-0AA0</p>	M20 for round cable and enclosures With 1 to 3 command points	Plastic	Black	▶	3SU1900-0HG10-0AA0	1	1 unit
	M25 for round cable and enclosure With 4 and 6 command points	Plastic	Black	5	3SU1900-0HH10-0AA0	1	1 unit
	M20 for round cable and AS-i enclosure With 1 to 3 command points with 2-pin connector plug for AS-i module	Plastic	Black	3	3SU1900-0JA10-0AA0	1	1 unit
	M25 for round cable and AS-i enclosure With 4 and 6 command points with 2-pin connector plug for AS-i module	Plastic	Black	3	3SU1900-0JB10-0AA0	1	1 unit
	M20 for round cable and IO-Link enclosure With 1 to 3 command points with 10-pin connector plug for IO-Link	Plastic	Black	▶	3SU1900-0JC10-0AA0	1	1 unit
	M25 for round cable and IO-Link enclosure With 4 and 6 command points with 10-pin connector plug for IO-Link	Plastic	Black	▶	3SU1900-0JD10-0AA0	1	1 unit
	M20 for AS-i profile cable and AS-i enclosure With 1 to 3 command points with 2-pin connector plug for AS-i module	Plastic	Black	5	3SU1900-0HE10-0AA0	1	1 unit
	M25 for AS-i profile cable and AS-i enclosure With 4 and 6 command points with 2-pin connector plug for AS-i module	Plastic	Black	5	3SU1900-0HF10-0AA0	1	1 unit
Connection pieces							
<i>For plastic enclosures</i>							
 <p>3SU1900-0HJ10-0AA0</p>	M20/M20 connection piece For connecting 2 enclosures	Plastic	Black	▶	3SU1900-0HJ10-0AA0	1	1 unit
	M20/M25 connection piece For connecting 2 enclosures	Plastic	Black	5	3SU1900-0HK10-0AA0	1	1 unit
	M25/M25 connection piece For connecting 2 enclosures	Plastic	Black	5	3SU1900-0HL10-0AA0	1	1 unit
<i>For metal enclosures</i>							
 <p>3SU1950-0HJ10-0AA0</p>	M20/M20 connection piece For connecting 2 enclosures	Metal	Silver	5	3SU1950-0HJ10-0AA0	1	1 unit
	M20/M25 connection piece For connecting 2 enclosures	Plastic	Silver	5	3SU1950-0HK10-0AA0	1	1 unit
	M25/M25 connection piece For connecting 2 enclosures	Plastic	Silver	5	3SU1950-0HL10-0AA0	1	1 unit





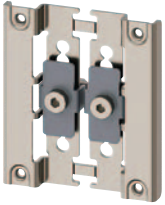

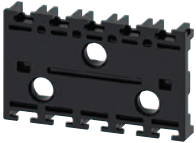
Product version	Material	Color	SD	Insulation piercing method		PU (UNIT, SET, M)	PS*
				Article No.	Price per PU		
Adapters for AS-i shaped cable							
	M20	Plastic	Black	3	3SU1900-0HX10-0AA0	1	1 unit
	M25			3			
Adapters for tab connection							
For plastic enclosures							
	Adapter, M12 socket, 4-pin M20 cable entry M25 cable entry	Plastic	Black	5	3SU1930-0HA10-0AA0	1	1 unit
				5	3SU1930-0HB10-0AA0	1	1 unit
	Adapter, M12 connector, 4-pin M20 cable entry M25 cable entry	Plastic	Black	5	3SU1930-0HC10-0AA0	1	1 unit
				5	3SU1930-0HD10-0AA0	1	1 unit
	Adapter, M12 socket, 5-pin M20 cable entry M25 cable entry	Plastic	Black	5	3SU1930-0HP10-0AA0	1	1 unit
				5	3SU1930-0HQ10-0AA0	1	1 unit
	Adapter, M12 connector, 5-pin M20 cable entry M25 cable entry	Plastic	Black	5	3SU1930-0HR10-0AA0	1	1 unit
				5	3SU1930-0HS10-0AA0	1	1 unit
Adapter, M12 socket, 8-pin M20 cable entry M25 cable entry	Plastic	Black	5	3SU1930-0HT10-0AA0	1	1 unit	
			5	3SU1930-0HU10-0AA0	1	1 unit	
Adapter, M12 connector, 8-pin M20 cable entry M25 cable entry	Plastic	Black	5	3SU1930-0HV10-0AA0	1	1 unit	
			5	3SU1930-0HW10-0AA0	1	1 unit	
For metal enclosures							
	Adapter, M12 socket, 4-pin M20 cable entry M25 cable entry	Plastic	Black	5	3SU1950-0HA10-0AA0	1	1 unit
				5	3SU1950-0HB10-0AA0	1	1 unit
	Adapter, M12 connector, 4-pin M20 cable entry M25 cable entry	Plastic	Black	5	3SU1950-0HC10-0AA0	1	1 unit
				5	3SU1950-0HD10-0AA0	1	1 unit
	Adapter, M12 socket, 5-pin M20 cable entry M25 cable entry	Plastic	Black	5	3SU1950-0HP10-0AA0	1	1 unit
				5	3SU1950-0HQ10-0AA0	1	1 unit
	Adapter, M12 connector, 5-pin M20 cable entry M25 cable entry	Plastic	Black	5	3SU1950-0HR10-0AA0	1	1 unit
				5	3SU1950-0HS10-0AA0	1	1 unit
Adapter, M12 socket, 8-pin M20 cable entry M25 cable entry	Plastic	Black	5	3SU1950-0HT10-0AA0	1	1 unit	
			5	3SU1950-0HU10-0AA0	1	1 unit	
Adapter, M12 connector, 8-pin M20 cable entry M25 cable entry	Plastic	Black	5	3SU1950-0HV10-0AA0	1	1 unit	
			5	3SU1950-0HW10-0AA0	1	1 unit	
Enclosure cover monitoring¹⁾							
	Module with extension plunger	Plastic	Black	3	3SU1900-0HM10-0AA0	1	1 unit

¹⁾ In addition, a 3SU1400-2AA10-.BA0 contact module is required.

Accessories







Miscellaneous accessories

Selection and ordering data

Product designation Product version	Material	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Miscellaneous accessories							
 <p>3SU1900-0KA10-0AA0</p>	PCB carriers	Plastic	Black	5	3SU1900-0KA10-0AA0	100	10 units
 <p>3SU1900-0CK10-0AA0</p>	Pressure plates for selectors and locks	Plastic	White	▶	3SU1900-0CK10-0AA0	100	10 units
 <p>3SU1900-0KF10-0AA0</p>	Drilling template for grid 30 x 40, horizontal	Plastic	Black	5	3SU1900-0KF10-0AA0	1	1 unit
 <p>3SU1900-0KG10-0AA0</p>	Extension plungers For compensation of the distance between the pushbutton and the unlatching button of an overload relay	Plastic	Gray	▶	3SU1900-0KG10-0AA0	1	1 unit
 <p>3SU1950-0JE80-0AA0</p>	Strut profile mounting adapters	Metal	Sand gray	3	3SU1950-0JE80-0AA0	1	1 unit
 <p>3SU1900-0JF10-0AA0</p>	Adapters for enclosures with 1 command point Between enclosure top and bottom, for installation of 2-pole or two 1-pole contact modules with front plate mounting. Not suitable for 3SU1801-1AA00-1AA1.	Plastic	Black	5	3SU1900-0JF10-0AA0	1	1 unit
 <p>3SU1900-0JG10-0AA0</p>	Adapters for modules with base mounting	Plastic	Black	30	3SU1900-0JG10-0AA0	1	100 units

Accessories

Miscellaneous accessories

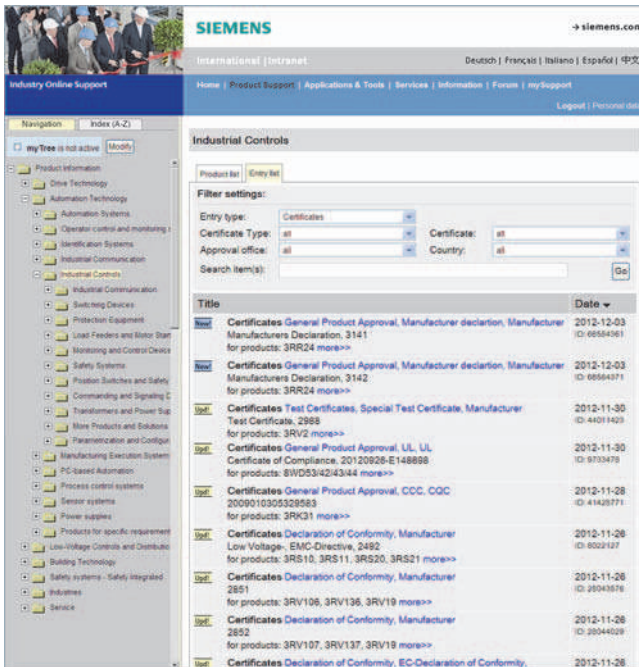
Product designation Product version	Material	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Miscellaneous accessories							
 3SU1900-0KH80-0AA0	Adapters for standard rail mounting	Plastic	Black	▶	3SU1900-0KH80-0AA0	1	1 unit
	Covers for modules Degree of protection IP54	Plastic	Clear	5	3SU1900-0EW70-0AA0	1	1 unit
 3SU1950-0KJ80-0AA0	Adapters for actuators and indicators With front ring for flat mounting	Metal	Silver	▶	3SU1950-0KJ80-0AA0	1	1 unit
 3SU1950-0KB10-0AA0	Adapters for 30.5 mm to 22.5 mm mounting hole	Metal, shiny	Silver	▶	3SU1950-0KB10-0AA0	1	1 unit
		Metal, matte	Sand gray	▶	3SU1960-0KB10-0AA0	1	1 unit
 3SU1950-0KK80-0AA0	Grounding studs	Metal	Silver	5	3SU1950-0KK80-0AA0	100	50 units
 3SU1900-0KL10-0AA0	Connectors for sensor switches, angled socket with screw terminal connection	Plastic	Black	▶	3SU1900-0KL10-0AA0	1	1 unit
 3SU1900-0KP80-0AA0	Flat ribbon cable 7 cores • Length 5 m • Length 10 m	Plastic	Gray	5	3SU1900-0KP80-0AA0	1	1 unit
		Plastic	Gray	5	3SU1900-0KP80-0AA0	1	1 unit

Standards and approvals

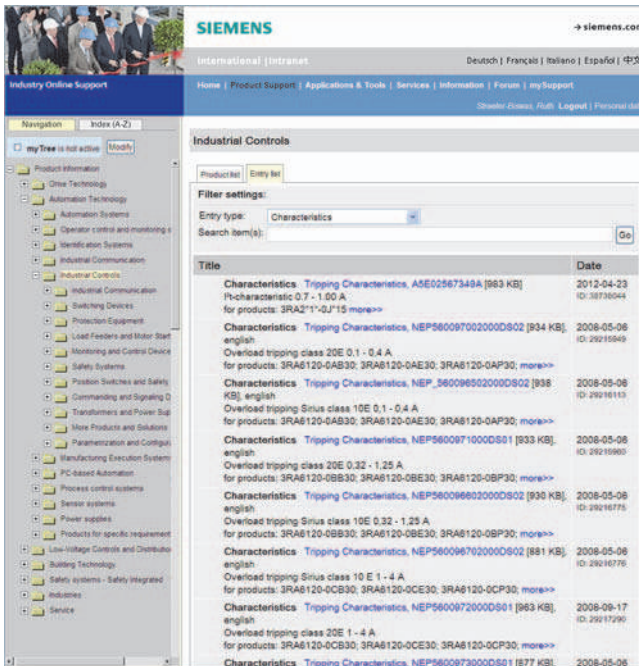
Approvals, test certificates, characteristic curves

An overview of the certificates available for Industrial Control products along with more technical documentation can be consulted daily on the Internet at:

www.siemens.com/sirius/approvals



Product support: Approvals/certificates



Product support: Characteristics

Safety characteristics

In the following standards, the so-called B10 values for calculating the safety integrity or safety integrity level (SIL) in functional safety at a high or continuous demand rate are required also for electromechanical switchgear:

- IEC 62061 "Safety of machines – Functional safety of safety-related electrical, electronic and programmable electronic control systems",
- ISO 13849-1 "Safety of machines – Safety-related components of controls – Part 1: General principles".

Failure rates of electromechanical components are required for calculating the safety integrity or safety integrity level (SIL) in functional safety:

- in the manufacturing industry at a high demand rate
- in the process industry at a low demand rate

Further requirements are laid down in IEC 61511-1 "Functional safety – Safety instrumented systems for the process industry sector – Part 1: Framework, definitions, system, hardware and software requirements".

The German versions of the above standards are:

- EN 62061 (VDE 0113-50), 2005 + AMD 1:2013, which since 31.12.2005 has been harmonized as EN 62061 under the Machinery Directive
- EN ISO 13849-1:2008
- EN 61511-1 (VDE 810-1)

The TÜV-tested Safety Evaluation Tool assists in calculating the safety function as verification for the machine documentation.

It is available on the Internet at www.siemens.com/safety-evaluation-tool.

At www.siemens.com/safety-integrated you will also find examples of functions with calculations according to the current standards.

Definitions

$\lambda(t) dt$ is the probability that a unit which has not failed by a certain time t will fail in the following interval ($t; t+dt$). Failure rates have the dimension 1/time unit, e.g. 1/h. Failure rates for components are often specified in FIT (failures in time unit): 1 FIT equals $10^{-9}/h$.

From the failure rate it is possible to derive a (mathematical) distribution function of the failure probability:

$$F(t) = 1 - \exp(-\lambda t), \text{ with } \lambda \text{ as constant failure rate}$$

- The mean value of this exponential distribution is also referred to as:
 - Mean Time To Failure (MTTF) in the case of irreparable components; 63.2 % of components fail by the MTTF.
 - Mean Operating Time Between Failures (MTBF) in the case of reparable components.

- $MTTF = 1/\lambda$ (MTTF is a statistical mean value but no guarantee for endurance)

Electromechanical components are often irreparable components. In general, the failure rate of monitored units changes with age.

Standards and approvals

The B10 value for devices subject to wear is expressed in number of operating cycles:

- it is the number of operating cycles after which 10 % of the test specimens fail in the course of an endurance test (or: the number of operating cycles after which 10 % of the devices have failed).

For low demand rates (mainly in the process industry), the failure rate and not the B10 value is used to determine the failure probability.

Standard B10 values at a high demand rate

With the help of the B10 value and a simplified formula (see section 6.7.8.2.1 of EN 62061), the user can then calculate the total failure rate of an electromechanical component:

$$\lambda = 0.1 \times C/B10$$

with C = operating cycles per hour. C is specified by the user.

The failure rate is made up of safe (λ_S) and dangerous (λ_D) failures:

$$\lambda = \lambda_S + \lambda_D$$

or

$$\lambda_D = [\text{share of dangerous failures in \%}] \times \lambda$$

$$\lambda_S = [\text{share of safe failures in \%}] \times \lambda$$

The failure rate of the dangerous failures λ_D of the components used is needed for further calculations.

Listed in the following table are the standard B10 values and the share of dangerous failures for SIRIUS product groups at a high demand rate.

Standard B10 values (at a high demand rate)		
SIRIUS ACT product group (electromechanical components)	Standard B10 value ¹⁾ (operating cycles)	Share of dangerous failures
3SU1 EMERGENCY-STOP mushroom pushbuttons (with positive-opening contacts)	100 000	20 %
3SU1 pushbuttons (non-latching, with positive-opening contacts)	10 000 000	20 %

¹⁾ Only applies under the conditions specified in the technical specifications.

The B10_d value used in EN ISO 13849-1:2008 is determined as follows:

$$B10_d = \frac{B10}{\text{Share of dangerous failures}}$$

Calculation example

A protective door is monitored by a position switch with a separate actuator.

The protective door is opened 4 times an hour.

The overall failure rate of the position switch is:

$$\lambda = 0.1 \cdot C/B10 \text{ [failures/h]}$$

$$\lambda = 0.1 \cdot 4/1000000 = 4 \cdot 10^{-7} \text{ [failures/h]}$$

The dangerous failure rate is calculated with:

$$\lambda_D = 20 \% \text{ of } \lambda = 0.2 \cdot 4 \cdot 10^{-7} \text{ [failures/h]}$$

$$\lambda_D = 8 \cdot 10^{-8} \text{ [failures/h]}$$

Standard failure rates (at a low demand rate)

On the basis of the failure rates, it is possible to calculate the average probability of failure on demand (PFD_{avg}) of a PLT protective device.

A so-called low demand rate is assumed, meaning the rate of demand on the safety-related system amounts to no more than once a year and is not greater than double the frequency of the repeat test.

A repeat test once a year is recommended for electromechanical components in order to reveal passive faults.

For special applications it is possible, in agreement with the inspecting institution (e.g. a technical inspectorate, government agency or the like) to extend the test intervals by using suitable solutions (e.g. a multi-channel version etc.).

Listed in the following table are the standard failure rates and the share of dangerous failures for SIRIUS product groups at a low demand rate.

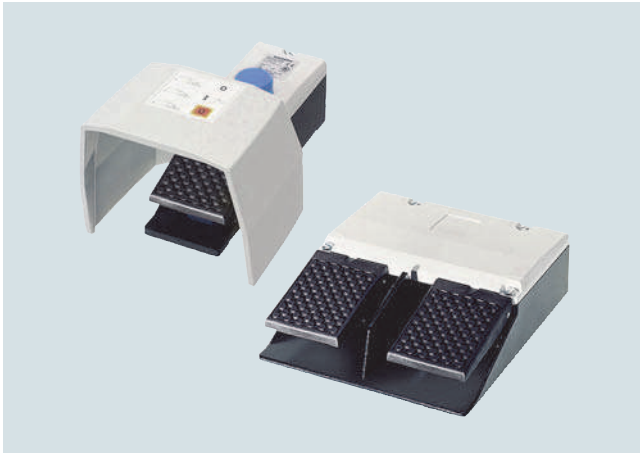
Standard failure rates at a low demand rate		
SIRIUS ACT product group (electromechanical components)	Standard failure rates (in FIT) ¹⁾	Share of dangerous failures
3SU1 EMERGENCY-STOP mushroom pushbuttons (with positive-opening contacts)	100	20 %
3SU1 pushbuttons (non-latching, with positive-opening contacts)	100	20 %

¹⁾ The failure rates specified in the table were limited to 100 FIT.

3SE2, 3SE3 Foot Switches

Plastic and metal enclosures

Overview



3SE29 foot switch with metal enclosure

More information

Homepage, see www.siemens.com/sirius-commanding
 Industry Mall, see www.siemens.com/product?3SE2
 Manual, see <https://support.industry.siemens.com/cs/ww/en/view/107194954>

Standard switches

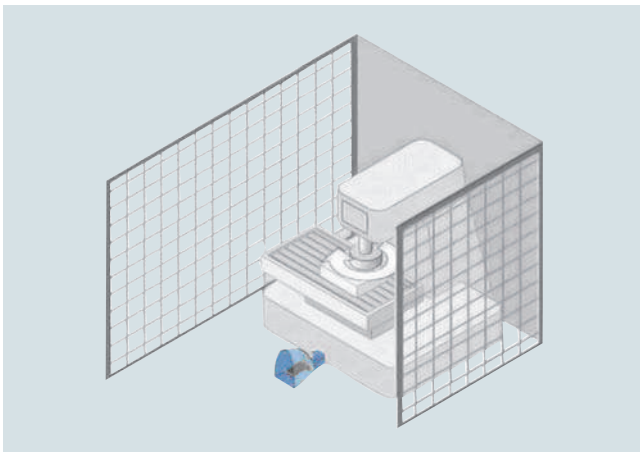
The 3SE29 and 3SE39 foot switch range encompasses versions in a metal enclosure for rugged applications as well as versions with plastic enclosure for less harsh environments. The devices can be supplied with or without a cover and have fixing holes for them to be screwed to the floor.

Depending on the particular application, the metal enclosures can be ordered with contact blocks in latching or momentary-contact versions. The momentary-contact pedal switch in the plastic enclosure has one microswitch (changeover contact) per actuating pedal.

Safety foot switches

The 3SE2924-3AA20 single-pedal safety foot switches are used on machines and plants as OK switches when operation by hand is not possible. The switches have an interlocking function.

The safety foot switches are protected by a guard hood against accidental operation.



Application example

The switches have two contact blocks, each with one NO contact and one NC contact. The NO contacts and NC contacts of the two contact blocks are connected for easy connection of a single-phase motor. The normal workflow is initiated by pressing down the pedal as far as the pressure point so that the two NO contacts close and the motor starts to run.

If in the event of danger the pedal is pressed beyond the resistance of the pressure point, the positively driven NC contacts will open and the motor is stopped. At the same time the independent latching takes effect and holds the NC contacts in open position. This prevents the machine parts from continuing to run out of control or from being restarted.

After the hazard is eliminated, the machine can only be restarted after manually releasing the switch using a pushbutton on the top of the enclosure. The contacts are then released again and return to their initial position (the NO contacts are open and the NC contacts are closed).

Technical specifications

Type	3SE29	3SE39
Metal and plastic enclosures		
Standards	IEC 60947-5-1	
Electrical load		
• At AC-15, 400 V		
- 1 NO + 1 NC	A 10	--
- 2 NO + 2 NC	A 6	--
- 3SE2924-3AA20 (2 NO + 2 NC)	A 10	--
• At 250 V AC	A --	5
Short-circuit protection		
- 1 NO + 1 NC	A 10 (slow)	--
- 2 NO + 2 NC	A 6 (slow)	--
- 3SE2924-3AA20 (2 NO + 2 NC)	A 10 (slow)	--
- 1 CO contact	A --	5 (slow)
Mechanical endurance	> 10 ⁶ operating cycles	
Material		
• Enclosures	Aluminum casting	Impact-resistant thermoplast, self-extinguishing according to UL 94 VO
• Covers	Thermoplast	--
• Guard hoods	Aluminum casting	Metal
Degree of protection	IP65	IP65
Ambient temperature	°C -25 ... +80	-10 ... +75
Connection	Cable entry, metric	Cable AWG20, UL Style 2464, length 3 m

3SE2, 3SE3 Foot Switches

Plastic and metal enclosures

Selection and ordering data

Version	Slow-action contacts for each pedal	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	
Metal enclosures, degree of protection IP65							
 <p>3SE290-..AA20 3SE291-..AA20</p>	Momentary-contact foot switches, single pedal, non-latching M20 x 1.5 cable entry						
	• Without hood	1 NO + 1 NC 	2	3SE2902-0AB20	1	1 unit	
		2 NO + 2 NC 	10	3SE2903-1AB20	1	1 unit	
	• With hood	1 NO + 1 NC 	2	3SE2902-0AA20	1	1 unit	
		2 NO + 2 NC 	2	3SE2903-1AA20	1	1 unit	
 <p>3SE2912-2AB20 3SE2912-2AA20</p>	Momentary-contact foot switches, single pedal, latching M20 x 1.5 cable entry						
	• Without hood	1 NO + 1 NC 	15	3SE2912-2AB20	1	1 unit	
	• With hood	1 NO + 1 NC 	15	3SE2912-2AA20	1	1 unit	
 <p>3SE2932-AB20 3SE2932-AA20</p>	Momentary-contact foot switches, two pedals, non-latching M25 x 1.5 cable entry						
	• Without hood	1 NO + 1 NC 	15	3SE2932-0AB20	1	1 unit	
		2 NO + 2 NC 	15	3SE2932-1AB20	1	1 unit	
	• With hood	1 NO + 1 NC 	5	3SE2932-0AA20	1	1 unit	
		2 NO + 2 NC 	5	3SE2932-1AA20	1	1 unit	
 <p>3SE2924-3AA20</p>	Safety momentary-contact foot switches, non-latching, single pedal With hood M20 x 1.5 cable entry with interlocking function NO closes as momentary contact type NC opens with automatic latching (safety function)		2 NO + 2 NC 	15	3SE2924-3AA20	1 1 unit	
Plastic enclosures, degree of protection IP65							
 <p>3SE3902-4CA20 3SE3934-5CB20</p>	Momentary-contact pedal switches, 3 m cable Microswitch						
	• Single pedal	- Without hood	1 CO contact	5	3SE3902-4CB20	1	1 unit
		- With hood	1 CO contact	10	3SE3902-4CA20	1	1 unit
	• Two pedals, without hood		2 x 1 CO	10	3SE3934-5CB20	1	1 unit
Accessories							
	Protection cover Single pedal foot switch for 3SE2912-2AA20, 3SE2902-0AA20 and 3SE2903-1AA20	--	20	3SE3980-8M	1	1 unit	
	Contact block, Supersedes momentary-contact foot switch 3SE2903-1A.20 ¹⁾ and 3SE2932-1A.20 ³⁾	1 NO + 1 NC	X	3SE3982-0K	1	1 unit	
	Contact block, Supersedes momentary-contact foot switch 3SE2902-0A.20 and 3SE2932-0A.20 ²⁾	1 NO + 1 NC	X	3SE3982-0L	1	1 unit	
	Contact block, 16 A, Supersedes momentary-contact foot switch 3SE2924-3AA20 ¹⁾	1 NO + 1 NC	X	3SE3982-7J	1	1 unit	
	Contact block, 16 A, Supersedes momentary-contact foot switch 3SE2912-2A.20	1 NO + 1 NC	30	3SE3982-7L	1	1 unit	

 Positive opening according to IEC 60947-5-1, Annex K.

¹⁾ Number of contact blocks required for the foot switch = 2

²⁾ Number of contact blocks required per pedal = 1.

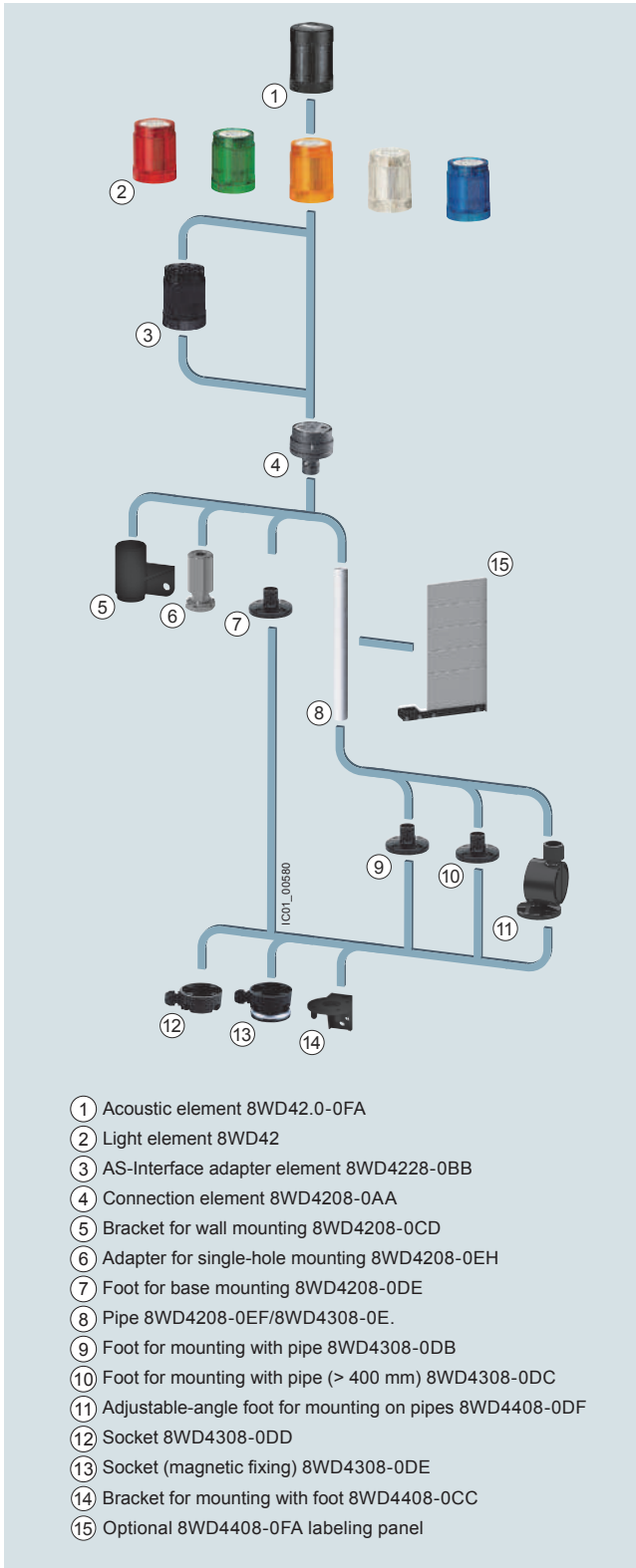
³⁾ Number of contact blocks required per pedal = 2

8WD4 Signaling Columns

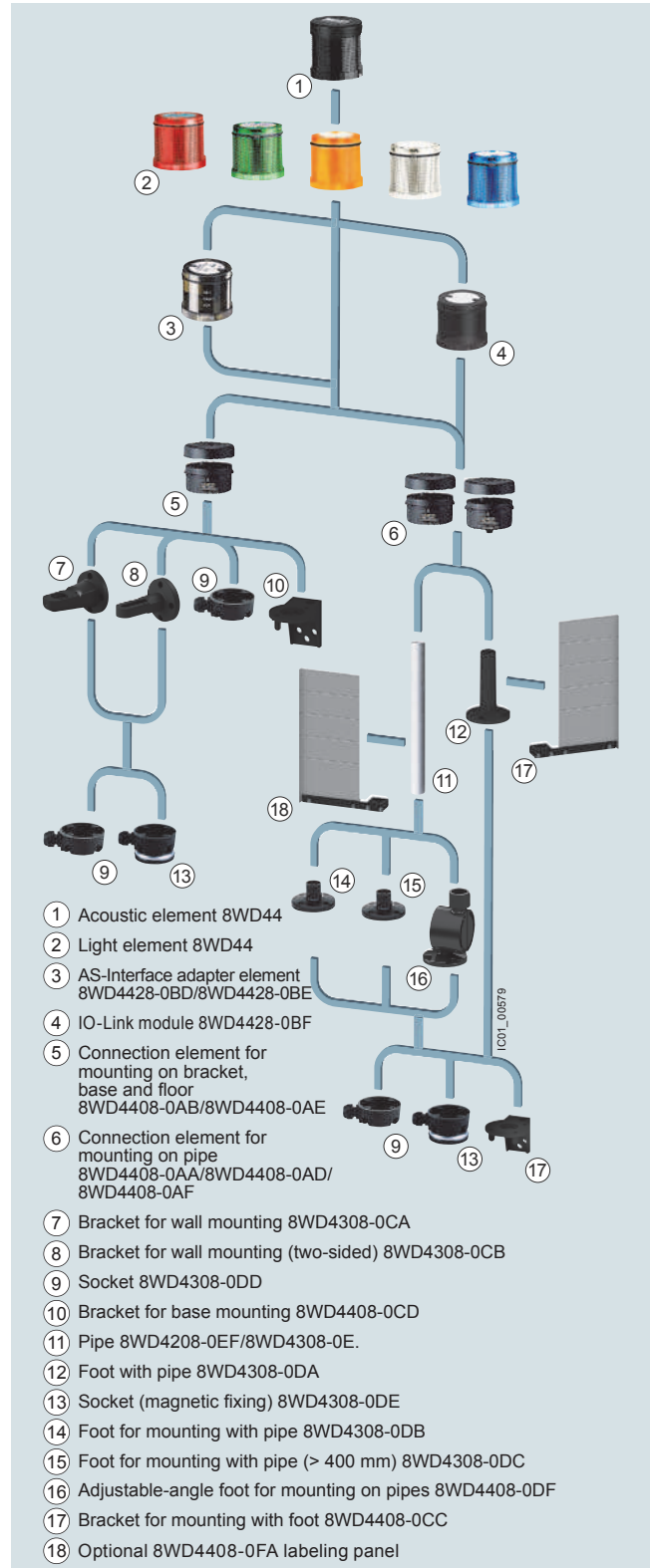
General Data

Overview

The 8WD4 signaling columns are flexible in design and versatile in use.



8WD42 signaling column (width 50 mm) with up to 4 elements



8WD44 signaling column (width 70 mm) with up to 5 elements

8WD4 Signaling Columns

General Data

More information

Homepage, see www.siemens.com/sirius-commanding
 Industry Mall, see www.siemens.com/product?8WD4
 Manual, see <https://support.industry.siemens.com/cs/ww/en/view/107194954>

Two product series are available:

- 8WD42
 - Thermoplast enclosure, diameter 50 mm
 - Degree of protection IP54
 - Up to 4 elements can be mounted between the connection element and the cover
- 8WD44
 - Thermoplast enclosure, diameter 70 mm
 - Advanced design and significantly improved illumination
 - Fast and flexible connection using spring-type terminals
 - Integrated degree of protection IP65
 - Up to 5 elements can be mounted between the connection element and the cover



Signaling columns, mounting examples

The illustrated examples are from the left:

- 8WD42: Cover (without No.), four light elements ②, connection element ④, pipe ⑧, foot ⑨
- 8WD44: Acoustic element with cover ①, two light elements ②, connection element ⑤, foot with pipe ⑪
- 8WD44: Cover (without No.), four light elements ②, AS-Interface adapter element ③, connection element ④, bracket for wall mounting ⑥
- 8WD44: Cover (without No.), three light elements ②, AS-Interface adapter element ③, connection element ⑤, foot with pipe ⑪

Note:

The cover is supplied with the connection element.

Benefits

- Choice of various light and acoustic elements with different functions:
Continuous light, blinklight, flashlight and rotating light; buzzer and siren
- Light elements with particularly long-lasting LEDs
- Variety of colors: red, yellow, green, white or blue
- Optimized illumination through improved prism technology with the 8WD44
- Acoustic elements can be adjusted in tone and volume
- Extremely resistant to shock and vibrations
- Easy connection and quick lamp change with secure bayonet mechanism
- Communication capability through connection to AS-Interface

Application

8WD4 signaling columns are used in machines or in automatic processes for monitoring complex procedures or as visual or acoustic warning devices in emergency situations, e.g. for displaying individual assembly stages.

Communication capabilityConnection to AS-Interface

The 8WD4 signaling columns can be directly connected to the AS-Interface bus system through an adapter element that can be integrated in the column. Wiring outlay is reduced as the result. The two-wire bus cable is fixed to the terminals in the connection element. Up to four signaling elements can be mounted on it using an adapter element.

A/B technology enables the connection of up to 62 slaves on one AS-Interface system.

Connection

The signaling elements are wired up using terminals in the connection element, screw terminals on the 8WD42 and screw or spring-type terminals on the 8WD44.

Cable outlet

The connecting cables can be guided either downwards or sideways through the cable gland using an adapter that can be screwed under the foot. This makes wiring easier if there is no access from below.

Connection to AS-Interface

8WD42

The two-wire bus cable is fixed to the screw terminals in the connection element. The adapter element must be the first module to be mounted on the connection element. A maximum of four signaling elements can then be mounted on it.

The 8WD4228-0BB adapter element is a standard slave.

8WD44

The two-wire bus cable is fixed to the screw or spring-type terminals in the connection element. The adapter element must be the first module to be mounted on the connection element. The signaling elements can then be mounted on it.

The 8WD4428-0BE adapter element is a standard slave. A maximum of four signaling elements can be mounted on it.

The 8WD4428-0BD adapter element with A/B technology enables the connection of up to 62 slaves on one AS-Interface system. The addressing socket provides user-friendly parameterization of the AS-Interface elements. A maximum of three signaling elements can be mounted on it.

Technical specifications

Type		8WD42	8WD44
General data			
Approvals		UL, CSA	UL, CSA
Light and acoustic elements			
Rated voltage, power consumption			
Light elements with incandescent lamp		(AC values for 50/60 Hz)	(AC values for 50/60 Hz)
• Continuous lights		12 V, 24 V, 115 V, 230 V AC/DC	12 V, 24 V, 115 V, 230 V AC/DC
• Blinklights		24 V AC/DC/125 mA; 115 V AC/20 mA; 230 V AC/15 mA	24 V AC/DC/125 mA; 115 V AC/20 mA; 230 V AC/15 mA
• Flashlights		--	24 V DC/125 mA; 115 V AC/20 mA; 230 V AC/35 mA
• Max. inrush current, blinklights/flashlights		--	500 mA
Light elements with integrated LED			
• Continuous lights		24 V AC/DC, 60 mA	24 V AC/DC/25 mA; 115 V AC/25 mA; 230 V AC/25 mA
• Blinklights		24 V AC/DC/60 mA; 115 V AC, 60 mA; 230 V AC, 60 mA	24 V AC/DC, 40 mA
• Rotating lights		--	24 V AC/DC/70 mA
Acoustic elements			
• Buzzer element (tone: pulsating or continuous tone)		85 dB: 24 V AC/DC/30 mA; 115 V AC/DC/35 mA; 230 V AC/35 mA	85 dB: 24 V AC/DC/25 mA; 115 V AC/25 mA; 230 V AC/25 mA
• Siren element (8 tones + amplification can be set, 102 dB)		--	24 V AC/DC/80 mA; 115 V AC/30 mA; 230 V AC/16 mA
• Siren element (95 ... 105 dB)		--	24 V DC/100 mA
Power consumption			
• Incandescent lamps, base BA 15d	W	Max. 5	7
• Flashlights, flash energy	Ws	--	2
Service life			
• Flashlights		--	4 × 10 ⁶ flashes
AS-Interface adapter elements			
IO code/ID code		8/F	8/E
Power supply			
• Operational voltage	V	Through bus cable 18.5 ... 31.6	Through bus cable 18.5 ... 31.6
• Power consumption I_{max}	mA	50	100
Protective measures			
• Watchdog		✓	✓
• Short-circuit/overload protection		External back-up fuse M 1.6 A	✓
• Reverse polarity protection		✓	✓
• Induction protection		N/A	✓
Outputs			
• Load voltage	V	4 relay outputs External auxiliary voltage 0 ... 30 DC 0 ... 230 AC	3 electronic outputs Through bus cable or external auxiliary voltage, selectable
• Current carrying capacity ΣI_{max}			
- With external auxiliary voltage	A	1.5	0.3
- Without external auxiliary voltage	A	--	0.2
Operating temperature	°C	-20 ... +50	-20 ... +50
Enclosures			
Enclosure material		Thermoplast (polyamide), impact-resistant, black	Thermoplast (polyamide), impact-resistant, black
Light elements		Thermoplast (polycarbonate)	Thermoplast (polycarbonate)
Mounting			
• Horizontal (base mounting, foot with 25 mm diameter pipe)		✓	✓
• Horizontal (single-hole mounting)		✓	--
• Vertical with bracket		✓	✓
Degree of protection			
• Light elements		IP54	IP65 (seal premounted with every module)
• Acoustic elements, AS-i adapter elements		IP54	IP65
Operating temperature	°C	-20 ... +50	-20 ... +50
Connection			
• Conductor cross-sections	mm ²	M3 screw terminal Max. 2.5	Spring-type terminals/M3 screw terminals Max. 2.5
• Tightening torque	Nm	Max. 0.4	--/ Max. 0.4

8WD4 Signaling Columns

8WD42 signaling columns, 50 mm diameter

Overview

Features:

- Thermoplast enclosure, diameter 50 mm
- Degree of protection IP54
- Up to four elements can be mounted between the connection element and the cover

Selection and ordering data



Version	Rated voltage	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	
	V		d					
Acoustic elements¹⁾								
 8WD4220-0FA	Buzzer elements 85 dB, tone frequency approx. 2 300 Hz, pulsating or continuous tone, adjustable by means of a wire jumper	24 AC/DC	Black	2	8WD4220-0FA	1	1 unit	
		115 AC/DC	Black	2	8WD4240-0FA	1	1 unit	
		230 AC	Black	2	8WD4250-0FA	1	1 unit	
Light elements for incandescent lamps/LEDs, BA 15d bases²⁾								
 8WD4200-1AD	Continuous light elements	24 ... 230 AC/DC	Red	2	8WD4200-1AB	1	1 unit	
			Green	2	8WD4200-1AC	1	1 unit	
			Yellow	2	8WD4200-1AD	1	1 unit	
			Clear	2	8WD4200-1AE	1	1 unit	
			Blue	2	8WD4200-1AF	1	1 unit	
Light elements with integrated LED								
 8WD4220-5AB  8WD4240-5AC	Continuous light elements	24 AC/DC	Red	2	8WD4220-5AB	1	1 unit	
			Green	2	8WD4220-5AC	1	1 unit	
			Yellow	2	8WD4220-5AD	1	1 unit	
			Clear	2	8WD4220-5AE	1	1 unit	
			Blue	2	8WD4220-5AF	1	1 unit	
		115 AC	Red	2	8WD4240-5AB	1	1 unit	
			Green	2	8WD4240-5AC	1	1 unit	
			Yellow	2	8WD4240-5AD	1	1 unit	
			Clear	2	8WD4240-5AE	1	1 unit	
			Blue	2	8WD4240-5AF	1	1 unit	
230 AC	Red	2	8WD4250-5AB	1	1 unit			
	Green	2	8WD4250-5AC	1	1 unit			
	Yellow	2	8WD4250-5AD	1	1 unit			
	Clear	2	8WD4250-5AE	1	1 unit			
	Blue	2	8WD4250-5AF	1	1 unit			
 8WD4220-5BD  8WD4240-5BE  8WD4250-5BF	Blinklight elements	24 AC/DC	Red	2	8WD4220-5BB	1	1 unit	
			Green	2	8WD4220-5BC	1	1 unit	
			Yellow	2	8WD4220-5BD	1	1 unit	
			Clear	2	8WD4220-5BE	1	1 unit	
			Blue	2	8WD4220-5BF	1	1 unit	
		115 AC	Red	2	8WD4240-5BB	1	1 unit	
			Green	2	8WD4240-5BC	1	1 unit	
			Yellow	2	8WD4240-5BD	1	1 unit	
			Clear	2	8WD4240-5BE	1	1 unit	
			Blue	2	8WD4240-5BF	1	1 unit	
		230 AC	Red	2	8WD4250-5BB	1	1 unit	
			Green	2	8WD4250-5BC	1	1 unit	
			Yellow	2	8WD4250-5BD	1	1 unit	
			Clear	2	8WD4250-5BE	1	1 unit	
			Blue	2	8WD4250-5BF	1	1 unit	
Flashlight elements	24 AC/DC	Red	2	8WD4220-0CB	1	1 unit		
		Green	2	8WD4220-0CC	1	1 unit		
		Yellow	2	8WD4220-0CD	1	1 unit		
		Clear	2	8WD4220-0CE	1	1 unit		
		Blue	2	8WD4220-0CF	1	1 unit		
Adapter elements for AS-Interface								
 8WD4228-0BB	AS-Interface adapter elements With external auxiliary voltage	For 4 signaling elements 24 V DC	Black	2	8WD4228-0BB	1	1 unit	

¹⁾ One acoustic element can be mounted per signaling column. The cover is included in the scope of supply of the acoustic elements and fixed in place.

²⁾ The lamp is not included in the scope of supply. Please order separately.

8WD4 Signaling Columns

8WD42 signaling columns, 50 mm diameter

Version	Rated voltage V	Color	SD d	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Connection elements							
	Connection elements with cover For mounting on pipes, floors and brackets Essential part for assembling the signaling columns		Black	2	8WD4208-0AA	1	1 unit
Mounting							
	Feet, single	Plastic, for mounting on pipes	2	8WD4308-0DB	1	1 unit	
		Metal, for pipe lengths > 400 mm	2	8WD4308-0DC	1	1 unit	
	Adjustable-angle feet For positioning in 7.5° increments ¹⁾	Plastic, for floor mounting (without pipe)	2	8WD4208-0DE	1	1 unit	
		Plastic, for mounting on pipes, incl. rubber seal	2	8WD4408-0DF	1	1 unit	
	Pipes, single	Length 100 mm	2	8WD4208-0EF	1	1 unit	
		Length 150 mm	2	8WD4308-0EE	1	1 unit	
		Length 250 mm	2	8WD4308-0EA	1	1 unit	
		Length 400 mm	2	8WD4308-0EB	1	1 unit	
		Length 1 000 mm	2	8WD4308-0ED	1	1 unit	
	Sockets for feet	Side cable outlet	2	8WD4308-0DD	1	1 unit	
		Side cable outlet, with magnetic fixing ²⁾	2	8WD4308-0DE	1	1 unit	
	Brackets for mounting with foot		2	8WD4408-0CC	1	1 unit	
	Brackets for wall mounting (plastic)	Mounting without feet or pipe	2	8WD4208-0CD	1	1 unit	
	Adapters for single-hole mounting	Mounting without feet and pipe, with M18 thread and fixing nut	2	8WD4208-0EH	1	1 unit	
Lamps							
	Incandescent lamps, 5 W	Base BA 15d	24 AC/DC	Clear	2	8WD4328-1XX	1 10 units
			115 AC	Clear	2	8WD4348-1XX	1 10 units
			230 AC	Clear	2	8WD4358-1XX	1 10 units
	LEDs	BA 15d bases	24 AC/DC	Red	2	8WD4428-6XB	1 1 unit
				Green	2	8WD4428-6XC	1 1 unit
				Yellow	2	8WD4428-6XD	1 1 unit
				Clear	2	8WD4428-6XE	1 1 unit
				Blue	2	8WD4428-6XF	1 1 unit
			115 AC	Red	2	8WD4448-6XB	1 1 unit
				Green	2	8WD4448-6XC	1 1 unit
				Yellow	2	8WD4448-6XD	1 1 unit
				Clear	2	8WD4448-6XE	1 1 unit
				Blue	2	8WD4448-6XF	1 1 unit
			230 AC	Red	2	8WD4458-6XB	1 1 unit
				Green	2	8WD4458-6XC	1 1 unit
				Yellow	2	8WD4458-6XD	1 1 unit
				Clear	2	8WD4458-6XE	1 1 unit
				Blue	2	8WD4458-6XF	1 1 unit

For labeling panels see 8WD44, page 10/176.

¹⁾ Markings for 30°, 45°, 60° and 90°.

²⁾ For horizontal mounting, only 1 element is recommended.

8WD4 Signaling Columns




8WD44 signaling columns, 70 mm diameter

Overview

Features:

- Thermoplast enclosure, diameter 70 mm
- Advanced design and significantly improved illumination
- Fast and flexible connection using spring-type terminals
- Integrated degree of protection IP65
- Up to five elements can be mounted

Selection and ordering data

Version	Rated voltage	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
	V		d				
Acoustic elements¹⁾							
	Buzzer elements 85 dB, pulsating or continuous tone, adjustable by means of a wire jumper	24 AC/DC	Black	2	8WD4420-0FA	1	1 unit
		115 AC	Black	2	8WD4440-0FA	1	1 unit
		230 AC	Black	2	8WD4450-0FA	1	1 unit
	Siren elements , multi-tone, 102 dB, 8 tones and volume are adjustable	24 AC/DC	Black	2	8WD4420-0EA2	1	1 unit
		115 AC	Black	2	8WD4440-0EA2	1	1 unit
		230 AC	Black	2	8WD4450-0EA2	1	1 unit
	Siren elements 95 ... 105 dB, IP40, alternating continuous tone	24 DC	Black	2	8WD4420-0EA	1	1 unit
Light elements for incandescent lamps/LEDs, BA 15d bases²⁾							
	Continuous light elements	12 ... 230 AC/DC	Red	2	8WD4400-1AB	1	1 unit
			Green	2	8WD4400-1AC	1	1 unit
			Yellow	2	8WD4400-1AD	1	1 unit
			Clear	2	8WD4400-1AE	1	1 unit
			Blue	2	8WD4400-1AF	1	1 unit
Light elements with integrated flash lamps³⁾							
	Flashlight elements with integrated electronic flash	24 DC	Red	2	8WD4420-0CB	1	1 unit
			Green	2	8WD4420-0CC	1	1 unit
			Yellow	2	8WD4420-0CD	1	1 unit
			Clear	2	8WD4420-0CE	1	1 unit
			Blue	2	8WD4420-0CF	1	1 unit
		115 AC	Red	2	8WD4440-0CB	1	1 unit
			Green	20	8WD4440-0CC	1	1 unit
			Yellow	2	8WD4440-0CD	1	1 unit
			Clear	20	8WD4440-0CE	1	1 unit
			Blue	20	8WD4440-0CF	1	1 unit
		230 AC	Red	2	8WD4450-0CB	1	1 unit
			Green	2	8WD4450-0CC	1	1 unit
Yellow	2		8WD4450-0CD	1	1 unit		
Clear	2		8WD4450-0CE	1	1 unit		
	Blue	2	8WD4450-0CF	1	1 unit		




¹⁾ One acoustic element can be mounted per signaling column. The cover is included in the scope of supply of the acoustic elements and fixed in place.

²⁾ The lamp is not included in the scope of supply. Please order separately.

³⁾ The lamp is included in the scope of supply.

8WD4 Signaling Columns

8WD44 signaling columns, 70 mm diameter

Version	Rated voltage	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
	V		d				
Light elements with integrated LED							
	Continuous light elements	24 AC/DC	Red	2	8WD4420-5AB		1 1 unit
			Green	2	8WD4420-5AC		1 1 unit
			Yellow	2	8WD4420-5AD		1 1 unit
			Clear	2	8WD4420-5AE		1 1 unit
			Blue	2	8WD4420-5AF		1 1 unit
		115 AC	Red	2	8WD4440-5AB		1 1 unit
			Green	2	8WD4440-5AC		1 1 unit
			Yellow	2	8WD4440-5AD		1 1 unit
			Clear	2	8WD4440-5AE		1 1 unit
			Blue	2	8WD4440-5AF		1 1 unit
		230 AC	Red	2	8WD4450-5AB		1 1 unit
			Green	2	8WD4450-5AC		1 1 unit
			Yellow	2	8WD4450-5AD		1 1 unit
			Clear	2	8WD4450-5AE		1 1 unit
			Blue	2	8WD4450-5AF		1 1 unit
Blinklight elements	24 AC/DC	Red	2	8WD4420-5BB		1 1 unit	
		Green	2	8WD4420-5BC		1 1 unit	
		Yellow	2	8WD4420-5BD		1 1 unit	
		Clear	2	8WD4420-5BE		1 1 unit	
		Blue	2	8WD4420-5BF		1 1 unit	
	115 AC	Red	2	8WD4440-5BB		1 1 unit	
		Green	2	8WD4440-5BC		1 1 unit	
		Yellow	2	8WD4440-5BD		1 1 unit	
		Clear	2	8WD4440-5BE		1 1 unit	
		Blue	2	8WD4440-5BF		1 1 unit	
	230 AC	Red	2	8WD4450-5BB		1 1 unit	
		Green	2	8WD4450-5BC		1 1 unit	
		Yellow	2	8WD4450-5BD		1 1 unit	
		Clear	2	8WD4450-5BE		1 1 unit	
		Blue	2	8WD4450-5BF		1 1 unit	
Rotating light elements	24 AC/DC	Red	2	8WD4420-5DB		1 1 unit	
		Green	2	8WD4420-5DC		1 1 unit	
		Yellow	2	8WD4420-5DD		1 1 unit	
		Clear	2	8WD4420-5DE		1 1 unit	
		Blue	2	8WD4420-5DF		1 1 unit	
Adapter elements for AS-Interface							
	AS-Interface adapter elements						
	With/without external auxiliary voltage, switchable						
	• A/B technology	For 3 signaling elements 24 V DC	Black	2	8WD4428-0BD		1 1 unit
• Standard AS-i	For 4 signaling elements 24 V DC	Black	2	8WD4428-0BE		1 1 unit	
	Adapter elements for IO-Link				8WD4428-0BF		
Connection elements¹⁾							
	Connection elements with cover		Black				
	Screw terminals	• For mounting on pipes		2	8WD4408-0AA		1 1 unit
		• For mounting on brackets and floors		2	8WD4408-0AB		1 1 unit
	Spring-type terminals	• For mounting on pipes		2	8WD4408-0AD		1 1 unit
		• For mounting on brackets and floors		2	8WD4408-0AE		1 1 unit
		IO-Link Connection Element with M12 connector, 5-pole			2	8WD4408-0AF	
	Cover (replacement)			2	8WD4408-0XA		1 1 unit

¹⁾ The connection element with cover is an essential part for assembling the signaling columns.

8WD4 Signaling Columns

8WD44 signaling columns, 70 mm diameter

Version	DT	Order No.	PU (UNIT, SET, M)	PS		
Mounting						
	Foot with pipe	Plastic foot with pipe length 100 mm	A	8WD43 08-0DA	1	1 unit
	Feet, single	Plastic, for mounting on pipes	A	8WD43 08-0DB	1	1 unit
		Metal, for pipe lengths > 400 mm	A	8WD43 08-0DC	1	1 unit
	Adjustable-angle feet for positioning in 7.5° increments ¹⁾	Plastic, for mounting on pipes, incl. rubber seal	X	8WD44 08-0DF	1	1 unit
	Pipes, single	Length 100 mm	A	8WD42 08-0EF	1	1 unit
		Length 150 mm	A	8WD43 08-0EE	1	1 unit
		Length 250 mm	A	8WD43 08-0EA	1	1 unit
		Length 400 mm	A	8WD43 08-0EB	1	1 unit
		Length 1000 mm	A	8WD43 08-0ED	1	1 unit
	Sockets for feet	Side cable outlet (can also be used without feet)	A	8WD43 08-0DD	1	1 unit
		Side cable outlet, with magnetic fixing ²⁾	A	8WD43 08-0DE	1	1 unit
	Brackets for wall mounting (mounting without feet and pipe)	For single-sided mounting	A	8WD43 08-0CA	1	1 unit
		For double-sided mounting	A	8WD43 08-0CB	1	1 unit
Brackets for mounting with foot		A	8WD44 08-0CC	1	1 unit	
Brackets for base mounting	Mounting without feet and pipe	A	8WD44 08-0CD	1	1 unit	
Adapter for mounting on pipes according to NPT	Mounting on pipes, Ø 25 mm, with NPT 1/2" thread	A	8WD43 08-0DF	1	1 unit	

¹⁾ Markings for 30°, 45°, 60° and 90°.




²⁾ For horizontal mounting, only 1 element is recommended.

Note:

For mounting and configuring aid [see the publication "Versatile, robust, communication-capable; SIRIUS signaling columns and integrated signal lamps", Order No. E20001-A670-P305.](#)

8WD4 Signaling Columns

8WD44 signaling columns, 70 mm diameter

Version	Rated voltage	Color	DT	Order No.	PU (UNIT, SET, M)	PS
V						
Lamps						
	Incandescent lamps, 5 W					
	Base BA 15d	24 AC/DC		A	8WD43 28-1XX	1 10 units
		115 AC		A	8WD43 48-1XX	1 10 units
		230 AC		A	8WD43 58-1XX	1 10 units
	LEDs					
	Base BA 15d	24 AC/DC	Red	A	8WD44 28-6XB	1 1 unit
			Green	A	8WD44 28-6XC	1 1 unit
			Yellow	A	8WD44 28-6XD	1 1 unit
			Clear	A	8WD44 28-6XE	1 1 unit
			Blue	A	8WD44 28-6XF	1 1 unit
		115 AC	Red	A	8WD44 48-6XB	1 1 unit
			Green	A	8WD44 48-6XC	1 1 unit
			Yellow	A	8WD44 48-6XD	1 1 unit
			Clear	A	8WD44 48-6XE	1 1 unit
			Blue	A	8WD44 48-6XF	1 1 unit
		230 AC	Red	A	8WD44 58-6XB	1 1 unit
			Green	A	8WD44 58-6XC	1 1 unit
			Yellow	A	8WD44 58-6XD	1 1 unit
			Clear	A	8WD44 58-6XE	1 1 unit
		Blue	A	8WD44 58-6XF	1 1 unit	
Inscriptions						
	Labeling panels					
		With fixing accessories for mounting on pipe \varnothing 25 mm Inscription area/ step 50 mm x 140 mm Suitable for standard labels, e.g. • Zweckform 3425 • Herma 4457		A	8WD44 08-0FA	1 1 unit
Pre-assembled 8WD44 Signal Columns						
	Pre-assembled Connection Element, Foot and Pipe			A	8WD4421-0GA05-0AG0	1 1 unit
	Pre-assembled Signal Column			A	8WD4423-5AK05-0AE0	1 1 unit
	Pre-assembled Signal Column			A	8WD4423-5AK05-0AF0	1 1 unit

8WD5 Integrated Signal Lamps

8WD53 integrated signal lamps, 70 mm diameter

Overview



8WD53 integrated signal lamps

More information

Homepage, see www.siemens.com/sirius-commanding
 Industry Mall, see www.siemens.com/product?8WD5
 Manual, see <https://support.industry.siemens.com/cs/ww/en/view/107194954>

Design

Features:

- Thermoplast enclosures, diameter 70 mm
- Degree of protection IP65
- Rated voltage 24 V, 115 V, 230 V AC/DC
- Ambient temperature -20 to +50 °C, incandescent lamp up to 60 °C

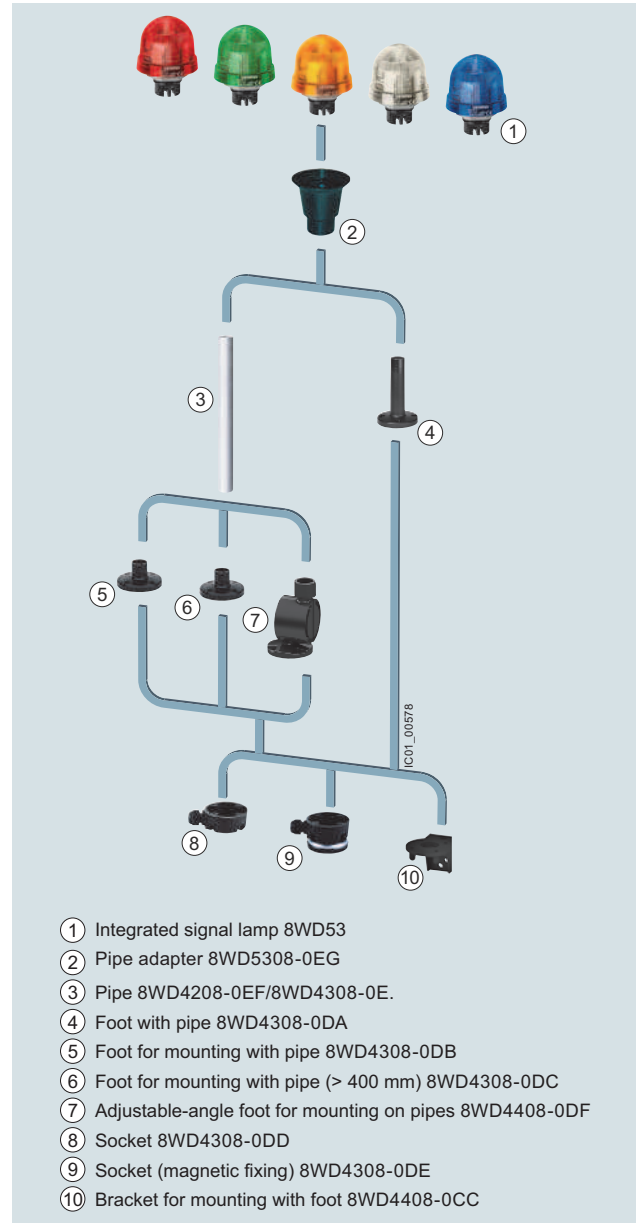
The special shape of the integrated signal lamps means that the light is emitted optimally in every direction (to the sides and upwards). Continuous lights (with incandescent lamp or LED) and single-flash lights are available in five colors. As well as the continuous-light version, a flashing-light or all-round light version is also available.

The LED versions of the integrated signal lamps offer a considerably longer endurance than the incandescent lamp versions.

They all have the high degree of protection IP65 and are made of a material highly resistant to impact.

Mounting

8WD53 integrated signal lamps can be mounted at any point of the machine for the purpose of giving visual signals. They are mounted by means of a PG-29 screw base with nut.



Application

SIRIUS 8WD53 integrated signal lamps can be used as visual signaling devices in harsh ambient conditions and in outdoor installations.







Visual signaling devices for indicating operating conditions can be used for the following applications:

- Manufacturing plants
- Injection molding machines
- Conveyors
- Assembly systems for electronic components

8WD5 Integrated Signal Lamps

8WD53 integrated signal lamps, 70 mm diameter

Selection and ordering data

Version	Rated voltage	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*
	V		d				
Luminaires for incandescent lamps/LED¹⁾, BA 15d base							
	Continuous lights²⁾	12 ... 230 AC/DC		Red	2	8WD5300-1AB	1 1 unit
		Green	2	8WD5300-1AC	1 1 unit		
		Yellow	2	8WD5300-1AD	1 1 unit		
		Clear	2	8WD5300-1AE	1 1 unit		
		Blue	2	8WD5300-1AF	1 1 unit		
Luminaires with integrated flash lamp							
 	Single-flash lights with integrated electronic flash	24 AC/DC		Red	2	8WD5320-0CB	1 1 unit
		Green	2	8WD5320-0CC	1 1 unit		
		Yellow	2	8WD5320-0CD	1 1 unit		
		Clear	2	8WD5320-0CE	1 1 unit		
		Blue	2	8WD5320-0CF	1 1 unit		
		115 AC		Red	2	8WD5340-0CB	1 1 unit
		Green	2	8WD5340-0CC	1 1 unit		
		Yellow	2	8WD5340-0CD	1 1 unit		
		Clear	2	8WD5340-0CE	1 1 unit		
		Blue	20	8WD5340-0CF	1 1 unit		
230 AC		Red	2	8WD5350-0CB	1 1 unit		
Green	20	8WD5350-0CC	1 1 unit				
Yellow	2	8WD5350-0CD	1 1 unit				
Clear	2	8WD5350-0CE	1 1 unit				
Blue	20	8WD5350-0CF	1 1 unit				
Luminaires with integrated LED¹⁾							
 	Continuous lights	24 AC/DC		Red	2	8WD5320-5AB	1 1 unit
		Green	2	8WD5320-5AC	1 1 unit		
		Yellow	2	8WD5320-5AD	1 1 unit		
		Clear	2	8WD5320-5AE	1 1 unit		
		Blue	2	8WD5320-5AF	1 1 unit		
	Blinklight lamps	24 AC/DC		Red	2	8WD5320-5BB	1 1 unit
		Green	2	8WD5320-5BC	1 1 unit		
		Yellow	2	8WD5320-5BD	1 1 unit		
		Clear	2	8WD5320-5BE	1 1 unit		
		Blue	2	8WD5320-5BF	1 1 unit		
Rotating lights	24 AC/DC		Red	2	8WD5320-5DB	1 1 unit	
	Green	2	8WD5320-5DC	1 1 unit			
	Yellow	2	8WD5320-5DD	1 1 unit			
	Clear	2	8WD5320-5DE	1 1 unit			
	Blue	2	8WD5320-5DF	1 1 unit			
Accessories for mounting (optional)							
	Pipe adapters			2	8WD5308-0EG	1 1 unit	
	For mounting on pipes ³⁾						

1) Only for use with SIRIUS commanding and signaling devices.

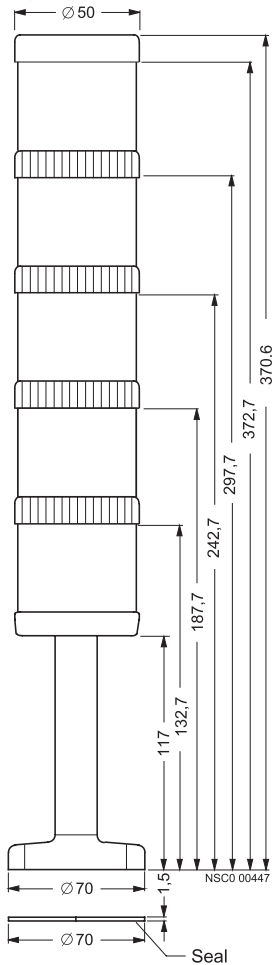
2) Lamp not included in scope of supply, see [Signaling Columns, page 10/176.](#)

3) For pipes and feet, see [Signaling Columns, page 10/175.](#)

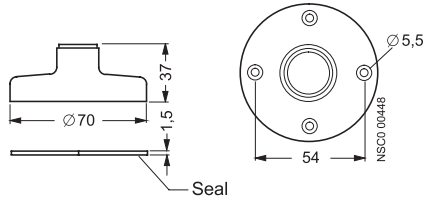
8WD4 Signaling Columns

Dimension drawings

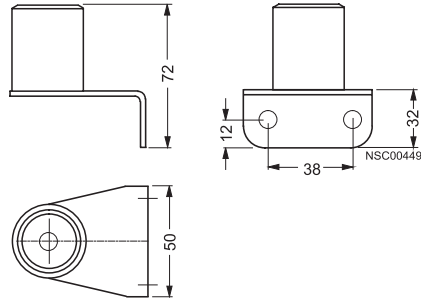
Signaling column (4-tier)



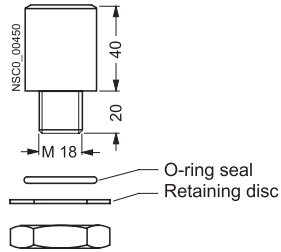
Foot



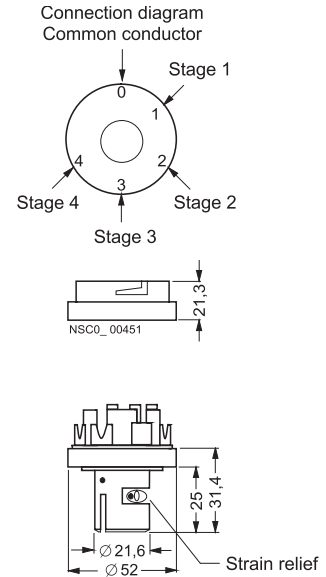
Bracket for wall mounting



Adapter for single-hole mounting



Connection element

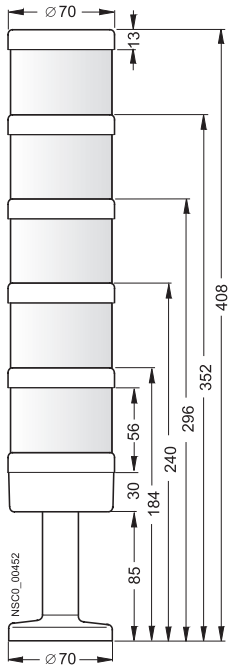


8WD4 Signaling Columns

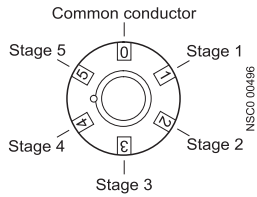
Dimension drawings

Dimension drawings

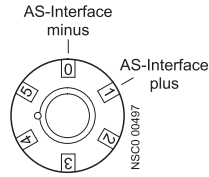
Signaling column (5-tier)



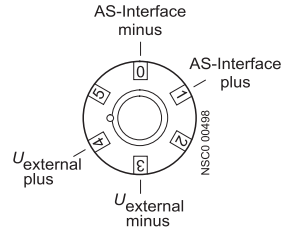
Connection diagrams



conventional

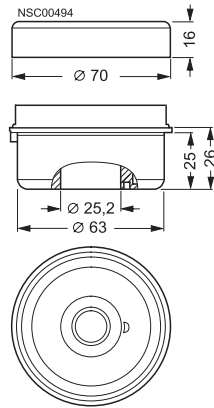


with AS-Interface,
without external auxiliary
voltage

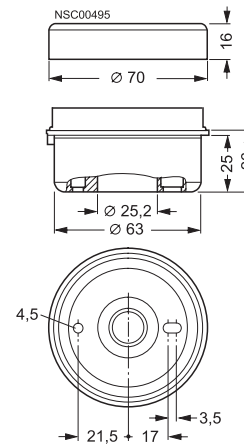


with external auxiliary voltage

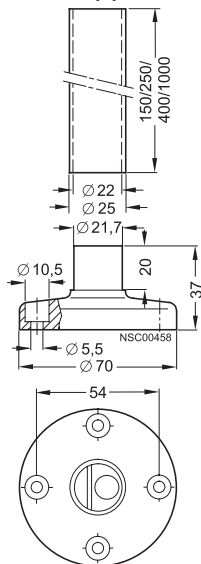
Connection element and cover for mounting on pipes



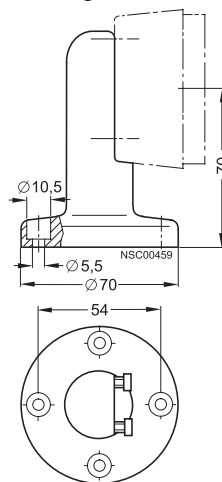
Connection element and cover for mounting on floor/bracket



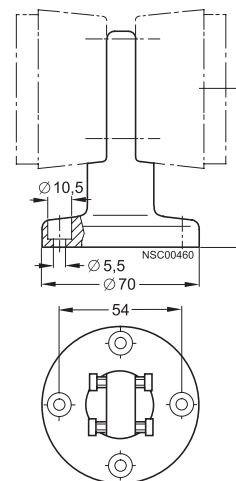
Foot with pipe



Bracket for single-sided mounting



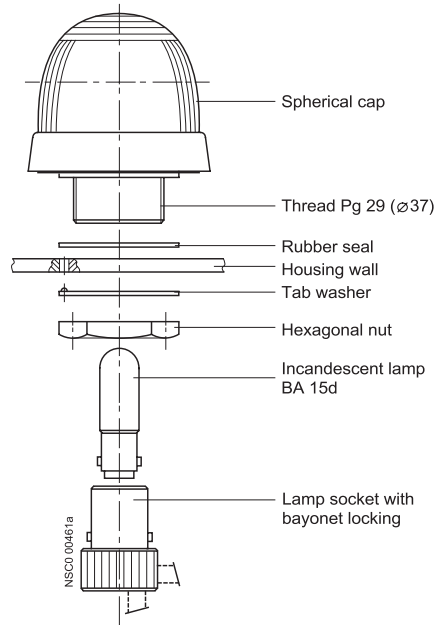
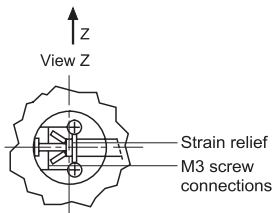
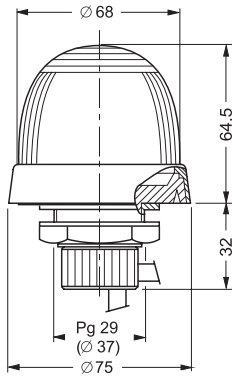
Bracket for double-sided mounting



8WD53 Beacons

Dimension drawings


Dimension drawings



30 mm Heavy Duty, Watertight/Oiltight, Class 52

Pushbutton complete units

Features

- Octagonal Mounting Nuts
- Meets Type 1, 3, 3R, 4, 4X, 12, 13 and Automotive Standards
- Heavy Duty Rated NEMA A600/P600 Contacts
-  Positively Driven Contacts
- Positive Indexing Selectors
- Bifurcated Movable Contacts
- Attractive Chrome Plating
- Boots Not Required for Type 4
- UL Listed File # E22655
- CSA Certified File # LR6535
- Touchsafe Terminals

Application

Oil tight pilot controls and accessories are designed to provide long, trouble free service in the most demanding industrial applications. These controls are oil and dust tight and meet Type 3, 4, 4X, 12 and 13 specifications.

Rugged

Industrial control operators are durable one piece castings. Heavy duty plastic buttons resist oils and corrosion. Silver contacts carry heavy duty ratings.

Flexible

Accessories modify standard push buttons, selector switches and pilot lights. Building block construction of contact blocks makes possible many circuitry combinations.

Industrial Appearance

Pilot controls add luster to panels. Chrome plating covers exposed metal parts.

Push Button Operators


The Operator Base consists of a durable, one piece casting equipped with a heavy duty actuator with a stainless steel spring, a neoprene actuator sealing ring to prevent oil and dust from penetrating to the contact blocks, a neoprene gasket to seal operator mounting hole and a chrome plated lock nut.

Mushroom Head Push Button Operators

The Mushroom Head base construction is identical to the push button base. The actuator is molded of high impact material for either a 1 5/8 inch or 2 1/2 inch diameter molded head.

E-STOP Mushroom Head Operators according to EN 60947-5-5 Cat. No. 52BP, 52BR, 52PP, and 52PR, 2 Position, Twist-To-Release & 2 Position, Push Pull Maintained operators provided with red operating heads and 52BJK contact blocks meet the requirements of EN 60947-5-5 for Electrical Emergency Stop Device With Mechanical Latching Function (e-stop).

Contact Blocks

Contact Blocks have double break bifurcated silver contacts, with gold flashing as standard, which improves contact reliability. Contact blocks are heavy duty rated NEMA A600 and suitable for applications down to 5V/1MA solid state outputs. 52BJK offers  Positive Opening Contacts according to IEC 60947-5-1, Appendix K. Molded bodies and pushers resist arcing and tracking. All units have stainless steel springs that resist corrosion and provide strong contact pressure. Captive mounting screws speed panel assembly.

Push Pull Operators

Push Pull Operators combine two or three functions in one unit. The maintained operator has two positions, typically pull to start, push to stop. The momentary operator with three positions provides spring return from both pull and push positions. In addition, a three position push maintained, pull momentary operator is available. The actuator come is 1 3/4 inch or 2 1/2 inch diameter and is available in an illuminated version.

2 Button Maintained Operator

Maintained Push Buttons consist of two push buttons and a latching assembly. When actuated the button remains depressed and is freed only by the release operator to which it is linked. The button assembly adjusts for mounting from a 1 13/16 inch to a 2 5/8 inch center.

Transformer Type Pilot Lights

Transformer Type Pilot Lights are available with a 120, 240, 480 or 600 Volt primary (50/60 Hertz) and a separate secondary winding which supplies reduced voltage to a miniature bayonet base 6 Volt lamp. These units are suitable for applications where vibration is present and long bulb life is desirable.

Full Voltage Type Pilot Lights

Full Voltage Pilot Lights are available for 6, 12, 24 and 120 Volt AC and DC applications.

Electrical Ratings

NEMA AC Ratings 50/60Hz

NEMA A600 10 Continuous Amps

Volts	Make	Break
120	60	6
240	30	3
480	15	1.5
600	12	1.2
VA	7200	720

Ordering Information

- Accessories: [pages 10/206 – 10/209](#)
- Selector Position and Contact Operation: [page 10/204 – 10/205](#).
- Legend Plates: [page 10/218](#).
- Enclosures: [page 10/219](#).
- Technical Specifications: [page 10/220](#).

Resistor Type Pilot Lights

Resistor Type Pilot Lights are available for 240 Volt AC and DC applications. The 240 Volt pilot light is supplied with a 120 Volt lamp and a voltage dropping resistor.

LED Type Pilot Lights

LED's (light emitting diodes) can be used in pilot lights instead of incandescent bulbs because of their long life (up to 10 years), resistance to vibration and ambient sensitivity. Clusted LED options are available for standard pilot lights only. Cluster LED options are not available on Push to test Pilot Lights, Illuminated Pushbuttons, Push-pull, or Twist-to-Release Operators.

Integrated LED Module Type Pilot Lights

The integrated LED module is available for 24, 120, and 240 V. LED modules are vibration resistant and have a long life (up to 10 years). The integrated LED module is available for 24, 120, and 240 V. LED modules are vibration resistant and have a long life (up to 10 yrs.).

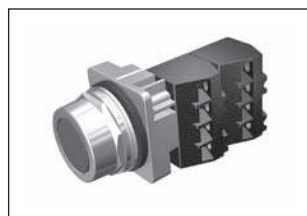
Selector Operators

Selector Operators have positive action indexing. Operators are available with either a short or long lever. The molded black lever is designed to accept a color insert. A white insert is provided as standard. Each operator is equipped with a cam to actuate plungers of contact blocks assembled behind the operator. Two, three and four position operators are available with seven different cams.

Lever color inserts are available in 8 colors.



Indicator Light



Push Button



Selector Switch



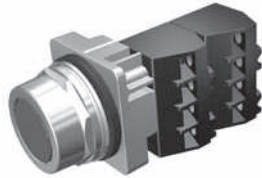
Selector Push Button

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Push Button

Selection Guide

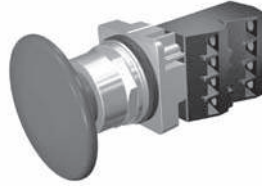
Momentary Push Button - Non-Illuminated



Flush Head



Extended Head



Large Mushroom Head 2 1/2"



Small Mushroom Head 1 3/4"

Part Number	52	a	M b	c	d	e¹
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a	Code	Finish
	P	Chrome - Command 52
	B	Epoxy Coated - Black Max

b	Code	Type
	M	Momentary Push Button

c	Code	Style / Head Type
		Flush / Extended Cap²
	8A	Flush
	8B	Extended
		Mushroom Head Metal
	9A	Small Mushroom Head 1 3/4" (44.5mm)
		Mushroom Head Plastic
	9W	Small Mushroom Head 1 3/4" (44.5mm)
	9V	Large Mushroom Head 2 1/2" (63.5mm)

d	Code	Plastic	Metal
	1	Black	—
	2	Red	Red
	3	Green	Green
	4	Yellow	—
	5	Blue	—
	6	Gray	—
	7	All Color Caps	—
	8	Orange	—
C	—	Chrome	

e¹	Code	Contact Blocks
	A	1 NO + 1 NC
	B	2 NO + 2 NC
	C	3 NO + 3 NC
	D	4 NO + 4 NC
	E	1 NC (LB)
	F	2 NO
	G	2 NC
	H	1NO (EM)
	J	1 NC
	K	1 NO

¹ For operator without contact blocks leave position e blank.
² Products available fall 2014. For current product offer please refer to the 2010 Industrial Control Catalog.

Selection Tables

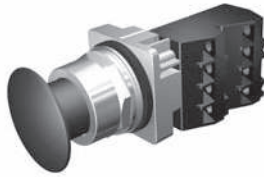
Momentary Push Button - Non-Illuminated

Head Style	Contacts	Color	Finish	
			Chrome	Black Max
Flush	—	Less cap	52PM8	52BM8
		Black	52PM8A1	52BM8A1
		Red	52PM8A2	52BM8A2
		Green	52PM8A3	52BM8A3
		Yellow	52PM8A4	52BM8A4
	1 NO - 1 NC	Black	52PM8A1A	52BM8A1A
		Red	52PM8A2A	52BM8A2A
		Green	52PM8A3A	52BM8A3A
	1 NO	Black	52PM8A1K	52BM8A1K
		Red	52PM8A2K	52BM8A2K
		Green	52PM8A3K	52BM8A3K
	1 NC	Red	52PM8A2J	52BM8A2J
Extended	—	Black	52PM8B1	52BM8B1
		Red	52PM8B2	52BM8B2
		Green	52PM8B3	52BM8B3
	1 NO	Black	52PM8B1K	52BM8B1K
		Red	52PM8B2K	52BM8B2K
	1 NC	Red	52PM8B2J	52BM8B2J
Mushroom Head Plastic Ø 1 3/4"	—	Less cap	52PM9	52BM9
		Red	52PM9W2	52BM9W2
	1 NO	Green	52PM9W3K	52BM9W3K
	1 NO - 1 NC	Black	52PM9W1A	52BM9W1A
		Red	52PM9W2A	52BM9W2A
	1 NO - 1 NC	Green	52PM9W3A	52BM9W3A
Mushroom Head Plastic Ø 2 1/2"	—	Red	52PM9V2	52BM9V2
		Black	52PM9V1A	52BM9V1A
	1 NO - 1 NC	Red	52PM9V2A	52BM9V2A
		Green	52PM9V3A	52BM9V3A

Readily available items are in **bold**.
This is a small representation of stocked items.

Selection Guide

2 & 3 Position Push-Pull Mushroom Head Devices - Non-Illuminated



Mushroom Head Metal Ø 1 3/4"



Mushroom Head Plastic Ø 2 1/2"



Mushroom Head Plastic Ø 1 3/4"

Part Number	52	<u> </u>	P	<u> </u>	<u> </u>	<u> </u>	<u> </u>
		a	b	c	d	e	f³

a	Code	Finish
	P	Chrome-Command 52
	B	Epoxy Coated-Black Max

b	Code	Type
	P	Push Pull

c	Code	Function
	2	2 positions - maintained ¹
	3	3 positions - momentary in - momentary out
	7	3 positions - maintained in - momentary out

d	Code	Style
	A	Small metal 1-3/4" (44.5 mm)
	W	Small plastic 1-3/4" (44.5 mm)
	V	Large plastic 2-1/2" (63.5 mm)

e	Code	Color	
		Plastic	Metal
	1	Black	—
	2	Red ¹	Red ¹
	3	Green	Green
	4	Yellow	—
	5	Blue	—
	6	Gray	—
	8	Orange	—
	C	—	Chrome
		No Operating Head	
	Z	No head	

f³	Code	Contact Blocks
		2 Position
	A	1 NO + 1 NC ¹
	B	2 NO + 2 NC ¹
	C	3 NO + 3 NC ¹
	D	4 NO + 4 NC ¹
	E	1 NC (LB)
	F	2 NO
	G	2 NC ¹
	H	1 NO (EM)
	J	1 NC ¹
	K	1 NO
	Q	1 NO - 1 NC (ELB)
		3 Position
	U	1 NO - 1 NC extra late break ²

¹ EMERGENCY-STOP control devices according to IEC 60947-5-5 when provided with red operating head and positively driven NC contact blocks. Positive opening contacts according to IEC 60947-5-1, Appendix K.

² Blocks cannot be interchanged (stop-start circuit - pull to start, push to stop).

³ For operator without contact blocks leave position f blank.

Selection Tables

2 & 3 Position Push-Pull Mushroom Head Devices - Non-Illuminated

		2 pos - maintained					
		Metal Ø 1 3/4"		Plastic Ø 1 3/4"		Plastic Ø 2 1/2"	
Contacts	Color	Chrome	Black Max	Chrome	Black Max	Chrome	Black Max
—	Black	—	—	52PP2W1	52BP2W1	52PP2V1	2BP2V1
	Red	52PP2A2	52BP2A2	52PP2W2	52BP2W2	52PP2V2	52BP2V2
	Green	52PP2A3	52BP2A3	52PP2W3	52BP2W3	52PP2V3	52BP2V3
	Yellow	—	—	52PP2W4	52BP2W4	52PP2V4	52BP2V4
1 NO - 1 NC	Red	52PP2A2A¹	52BP2A2A¹	52PP2W2A¹	52BP2W2A¹	52PP2V2A¹	52BP2V2A ¹
	Green	52PP2A3A	52BP2A3A	52PP2W3A	52BP2W3A	52PP2V3A	—
	Yellow	—	—	52PP2W4A	52BP2W4A	52BP2V4A	52BP2V4A
	Chrome	52PP2ACA	52BP2ACA	—	—	—	—

		3 pos - momentary in - momentary out					
		Metal Ø 1 3/4"		Plastic Ø 1 3/4"		Plastic Ø 2 1/2"	
Contacts	Color	Chrome	Black Max	Chrome	Black Max	Chrome	Black Max
—	Black	—	—	52PP3W1	52BP3W1	52PP3V1	52BP3V1
	Red	52PP3A2	52BP3A2	52PP3W2	52BP3W2	52PP3V2	52BP3V2
	Green	52PP3A3	52BP3A3	52PP3W3	52BP3W3	52PP3V3	2BP3V3
	Chrome	52PP3AC	52BP3AC	—	—	—	—
1 NO - 1 NCELB	Red	52PP3A2U	52BP3A2U	52PP3W2U	52BP3W2U	52PP3V2U	52BP3V2U
	Green	52PP3A3U	52BP3A3U	52PP3W3U	52BP3W3U	52PP3V3U	52BP3V3U

		3 pos - maintained in - momentary out					
		Metal Ø 1 3/4"		Plastic Ø 1 3/4"		Plastic Ø 2 1/2"	
Contacts	Color	Chrome	Black Max	Chrome	Black Max	Chrome	Black Max
—	Black	—	—	52PP7W1	52BP7W1	52PP7V1	52BP7V1
	Red	52PP7A2	52BP7A2	52PP7W2	52BP7W2	52PP7V2	52BP7V2
	Green	52PP7A3	52BP7A3	52PP7W3	52BP7W3	52PP7V3	52BP7V3
	Chrome	52PP7AC	52BP7AC	—	—	—	—
1 NO - 1 NCELB	Red	52PP7A2U	52BP7A2U	52PP7W2U	52BP7W2U	52PP7V2U	52BP7V2U
	Green	52PP7A3U	52BP7A3U	52PP7W3U	52BP7W3U	52PP7V3U	52BP7V3U

Readily available items are in **bold**.
This is a small representation of stocked items.

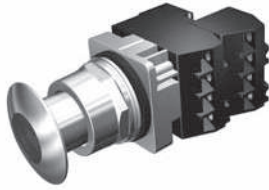
¹ EMERGENCY-STOP control devices according to IEC 60947-5-5

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Illuminated Push Pull & Push Button

Selection Guide

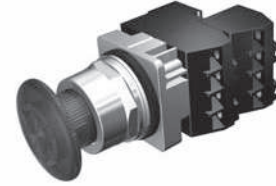
2 & 3 Position Push-Pull Mushroom Head Devices - Illuminated



Mushroom Head Metal Ø 1 3/4"



Mushroom Head Plastic Ø 2 1/2"



Mushroom Head Plastic Ø 1 3/4"

Part Number	52	a	P	c	d	e	f	g
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a	Code	Finish
	P	Chrome-Command 52
B	Epoxy Coated-Black Max	

b	Code	Type
	P	Push Pull Operator

c	Code	Function
	2	2 positions - maintained ¹
	3	3 positions - momentary in - momentary out ²
	7	3 positions - maintained in - momentary out ²

d	Code	Operation	
	Full Voltage ³ (AC/DC)		
		Incandescent	LED ⁴
B	6-8V	6V	
C	12-13V	—	
D	24-28V	24-28V	
E	120V	120V	
Transformer ³			
G	120V AC		
H	240V AC		
J	480V AC		
K	600V AC		
Integrated LED Light Module			
L	6-24V AC/DC		
U	24-240V AC/DC		

e	Code	Style / Color
	Mushroom Head Metal Ø 1 3/4" (44.5mm)	
2		Red ¹
3		Green
5		Blue
9		Amber
A		Clear
B		White
Mushroom Head Plastic Ø 1 3/4" (44.5 mm)		
R		Red ¹
S		Green
T		Amber
Mushroom Head Plastic Ø 2 1/2" (63.5mm)		
D		Red ¹
E		Green
F		Amber
No Head (full voltage & transformer only)		
Z		No head

f	Code	Contact Blocks
	2 Position	
A		1 NO + 1 NC ¹
B		2 NO - 2 NC ¹
F		2 NO
G		2 NC ¹
J		1 NC ¹
K		1 NO
Q		1 NO - 1 NC (ELB)
3 Position		
U		1 NO - 1 NC extra late break ²

g	Code	Bulb Type
	Blank	Incandescent
	B	LED
	Y	Super-Bright LED ⁵

1 EMERGENCY-STOP control devices according to IEC 60947-5-5 when provided with red operating head and positively driven NC contact blocks.

Positive opening contacts according to IEC 60947-5-1, Appendix K,

2 Blocks cannot be interchanged (stop-start circuit - pull to start, push to stop).

3 Default bulb type is incandescent. For LED options, append field g. LED option not available on units sold "no head".

4 LED voltages apply to table g option code B and Y.

5 Not available in 120V or 240V.

Selection Tables

					Operator Type			
					2 pos - maintained			
					Metal Ø 1 3/4"		Plastic Ø 1 3/4"	
Type	Lamp Type	Voltage	Color	Contacts	Chrome	Black Max	Chrome	Black Max
Full Voltage (AC/DC)	LED	24V	Red	1 NO - 1 NC	52PP2D2AB¹	52BP2D2AB¹	52PP2DRAB¹	52BP2DRAB¹
			Green	1 NO - 1 NC	52PP2D3AB	52BP2D3AB	52PP2DSAB	52BP2DSAB
	Incandescent	24V	Red	1 NO - 1 NC	52PP2D2A¹	52BP2D2A ¹	52PP2DRA¹	52BP2DRA ¹
			Green	1 NO - 1 NC	52PP2D3A	52BP2D3A	52PP2DSA	52BP2DSA
		120V	Red	1 NO - 1 NC	52PP2E2A ¹	52BP2E2A ¹	52PP2ERA ¹	52BP2ERA ¹
			—	—	52PP2E2	52BP2E2	52PP2ER	52BP2ER
Transformer (AC)	LED	120V	Red	1 NO - 1 NC	52PP2G2AB¹	52BP2G2AB ¹	52PP2GRAB ¹	52BP2GRAB ¹
			Green	1 NO - 1 NC	52PP2G3AB	52BP2G3AB	52PP2GSAB	52BP2GSAB
	Incandescent	120V	Red	1 NO - 1 NC	52PP2G2A¹	52BP2G2A ¹	52PP2GRA¹	52BP2GRA ¹
			Green	1 NO - 1 NC	52PP2G3A	52BP2G3A	52PP2GSA	52BP2GSA

					Operator Type			
					3 pos - momentary in - momentary out			
					Metal Ø 1 3/4"		Plastic Ø 1 3/4"	
Type	Lamp Type	Voltage	Color	Contacts	Chrome	Black Max	Chrome	Black Max
Full Voltage (AC/DC)	LED	24V	Green	1 NO - 1 NCELB	52PP3D3UB	52BP3D3UB	52PP3DRUB	52BP3DRUB
			Green	1 NO - 1 NCELB	52PP3D3U	52BP3D3U	52PP3DSU	52BP3DSU
	Incandescent	24V	Red	1 NO - 1 NCELB	52PP3D2U	52BP3D2U	52PP3DRU	52BP3DRU
			Red	—	52PP3E2	52BP3E2	52PP3ER	52BP3ER
		120V	Red	1 NO - 1 NCELB	52PP3G2UB	52BP3G2UB	52PP3GRUB	52BP3GRUB
			Green	1 NO - 1 NCELB	52PP3G3UB	52BP3G3UB	52PP3GSUB	52BP3GSUB
Transformer (AC)	LED	120V	Red	1 NO - 1 NCELB	52PP3G2U	52BP3G2U	52PP3GRU	52BP3GRU
			Green	1 NO - 1 NCELB	52PP3G3U	52BP3G3U	52PP3GRU	52BP3GRU

					Operator Type			
					3 pos - maintained in - momentary out			
					Metal Ø 1 3/4"		Plastic Ø 1 3/4"	
Type	Lamp Type	Voltage	Color	Contacts	Chrome	Black Max	Chrome	Black Max
Full Voltage (AC/DC)	LED	24V	Green	1 NO - 1 NCELB	52PP7D3UB	52BP7D3UB	52PP7DSUB	52BP7DSUB
			Green	1 NO - 1 NCELB	52PP7D3U	52BP7D3U	52PP7DSU	52BP7DSU
	Incandescent	24V	Red	1 NO - 1 NCELB	52PP7D2U	52BP7D2U	52PP7DRU	52BP7DRU
			Red	—	52PP7E2	52BP7E2	52PP7ER	52BP7ER
		120V	Red	1 NO - 1 NCELB	52PP7G2UB	52BP7G2UB	52PP7GRUB	52BP7GRUB
			Green	1 NO - 1 NCELB	52PP7G3UB	52BP7G3UB	52PP7GSUB	52BP7GSUB
Transformer (AC)	LED	120V	Red	1 NO - 1 NCELB	52PP7G2U	52BP7G2U	52PP7GRU	52BP7GRU
			Green	1 NO - 1 NCELB	52PP7G3U	52BP7G3U	52PP7GRU	52BP7GRU

Readily available items are in **bold**.
This is a small representation of stocked items.

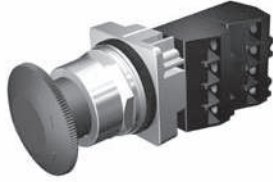
¹ EMERGENCY-STOP control devices according to IEC 60947-5-5

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Non-Illuminated Twist-to-Release

Selection Guide

2 Position Twist-to-Release Devices Mushroom Head - Non-Illuminated



Plastic 1 3/4" Mushroom Head - Chrome



Plastic 1 3/4" Mushroom Head - Black Max

Part Number	52	<u> </u> a	<u> R </u> b	<u> 8 </u> c	<u> W </u> d	<u> </u> e	<u> </u> f²
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Finish	Function	Style	Color	Contacts	Part Number
Chrome	2 Position Twist-to-Release	Plastic 1 3/4" Mushroom Head	Red	1 NO - 1 NC	52PR8W2A
Black Max	2 Position Twist-to-Release	Plastic 1 3/4" Mushroom Head	Red	1 NO - 1 NC	52BR8W2A
Chrome	2 Position Twist-to-Release	Plastic 1 3/4" Mushroom Head	Red	None	52PR8W2

Readily available items are in **bold**.
This is a small representation of stocked items.

a	Code	Finish
	P	Chrome-Command 52
	B	Epoxy Coated-Black Max
b	Code	Function
	R	2 Position Twist-to-Release, Maintained ¹
c	Code	Style
	8	Plastic 1 3/4" Mushroom Head
d	Code	Lamp Type
	W	Non-Illuminated

e	Code	Color
	2	Red ¹
	3	Green
	4	Yellow
	Z	No head
f²	Code	Contact Blocks
	A	1 NO + 1 NC ¹
	B	2 NO + 2 NC ¹
	C	3 NO + 3 NC ¹
	D	4 NO + 4 NC ¹
	E	1 NC (LB)
	F	2 NO
	G	2NC ¹
	H	1NO (EM)
	J	1 NC ¹
	K	1 NO

¹ EMERGENCY-STOP control devices according to IEC 60947-5-5 when provided with red operating head and positively driven NC contact blocks. Positive opening contacts according to IEC 60947-5-1, Appendix K.

² For operator without contact blocks leave position f blank.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Illuminated Twist-to-Release

Selection Guide

2 Position Twist-to-Release Mushroom Head Devices - Illuminated



Plastic 1 3/4" Mushroom Head - Chrome



Plastic 1 3/4" Mushroom Head - Black Max

Part Number	52	a	R	8	d	e	f	g
-------------	-----------	----------	----------	----------	----------	----------	----------	----------

Finish	Style	Voltage	Bulb Type	Color	Contacts	Part Number
Chrome	Plastic 1 3/4" Mushroom Head	24V	LED	Red	1 NO - 1 NC	52PR8DRAB
Chrome	Plastic 1 3/4" Mushroom Head	120V	Incandescent	Red	1 NO - 1 NC	52PR8ERA
Chrome	Plastic 1 3/4" Mushroom Head	120V	LED	Red	1 NO - 1 NC	52PR8GRAB

Readily available items are in **bold**.
This is a small representation of stocked items.

a	Code	Finish
	P	Chrome-Command 52
	B	Epoxy Coated-Black Max

b	Code	Function
	R	2 Position Twist-to-Release, Maintained

c	Code	Style
	8	Plastic 1 3/4" Mushroom Head

d	Code	Operation	
		Full Voltage² (AC/DC)	
		Incandescent	LED³
	B	6-8V	6V
	C	12-13V	—
	D	24-28V	24-28V
	E	120V	120V
		Transformer²	
	G	120V AC	
	H	240V AC	
	J	480V AC	
	K	600V AC	
		Integrated LED Light Module	
L	6-24V AC/DC		
U	24-240V AC/DC		

e	Code	Color
	R	Red ¹
	S	Green
	T	Amber
	Z	No head

f	Code	Contact Blocks
	A	1 NO + 1 NC ¹
	B	2 NO + 2 NC ¹
	C	3 NO + 3 NC ¹
	D	4 NO + 4 NC ¹
	E	1 NC (LB)
	F	2 NO
	G	2NC ¹
	H	1NO (EM)
	J	1 NC ¹
K	1 NO	

g	Code	Bulb Type
	Blank	Incandescent
	B	LED
	Y	Super-Bright LED ⁴

1 EMERGENCY-STOP control devices according to IEC 60947-5-5 when provided with red operating head and positively driven NC contact blocks. Positive opening contacts according to IEC 60947-5-1, Appendix K, Molded bodies.

2 Default bulb type is incandescent. For LED options, append field g. LED option not available on units sold "no head."

3 LED voltages apply to table g option code B and Y.

4 Not available in 120V or 240V.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Indicator Light

Selection Guide

Indicator Light



Plastic Lens



Glass Lens

Part Number	52	<u> </u> a	<u> </u> L b	<u> </u> c	<u> </u> d	<u> </u> e	<u> </u> f
--------------------	-----------	-------------------------	-------------------------------------	-------------------------	-------------------------	-------------------------	-------------------------

a	Code	Finish
	P	Chrome-Command 52
	B	Epoxy Coated-Black Max

b	Code	Type
	L	Indicator Light

c	Code	Style
	4	Plastic Lens
	5	Glass Lens

d	Code	Operation	
		Full Voltage¹ (AC/DC)	
		Incandescent	LED²
	B	6-8V	6V
	C	12-13V	—
	D	24-28V	24-28V
	E	120V	120V
		Transformer¹	
	G	120V AC	
	H	240V AC	
	J	480V AC	
	K	600V AC	
	T	277V AC	
		Integrated LED Light Module	
	L	6-24V AC/DC	
U	24-240V AC/DC		

e	Code	Color
	2	Red
	3	Green
	5	Blue
	7	All Colors
	9	Amber
	A	Clear
	B	White
N	No Lens	

f	Code	Bulb Type
	Blank	Incandescent
	XB	LED
	XY	Super-Bright LED ³

¹ Default bulb type is incandescent. For LED options, append field f. LED option not available on units sold "No Lens".

² LED voltages apply to table f option code XB and XY.

³ Not available in 120V or 240V.

Selection Tables

Indicator Light

Type	Lamp Type	Voltage	Color	Plastic Lens		
				Chrome	Black Max	
Full Voltage (AC/DC)	LED	24V	Red	52PL4D2XB	52BL4D2XB	
			Green	52PL4D3XB	52BL4D3XB	
			Blue	52PL4D5XB	52BL4D5XB	
			Amber	52PL4D9XB	52BL4D9XB	
			White	52PL4DBXB	52BL4DBXB	
		120V	Red	52PL4E2XB	52BL4E2XB	
			Green	52PL4E3XB	52BL4E3XB	
			Amber	52PL4E9XB	52BL4E9XB	
	Incandescent	24V	Clear	52PL4EAXB	52BL4EAXB	
			White	52PL4EBXB	52BL4EBXB	
			Red	52PL4D2	52BL4D2	
			Green	52PL4D3	52BL4D3	
			Blue	52PL4D5	52BL4D5	
		120V	Amber	52PL4D9	52BL4D9	
			White	52PL4DB	52BL4DB	
			No Lens	52PL4DN	52BL4DN	
Transformer (AC)	LED	120V	Red	52PL4G2XB	52BL4G2XB	
			Green	52PL4G3XB	52BL4G3XB	
			Amber	52PL4G9XB	52BL4G9XB	
			White	52PL4GBXB	52BL4GBXB	
		480V	Red	52PL4J2XB	52BL4J2XB	
			Green	52PL4J3XB	52BL4J3XB	
			White	52PL4JBXB	52BL4JBXB	
			No Lens	52PL4GN	52BL4GN	
	Incandescent	120V	Red	52PL4G2	52BL4G2	
			Green	52PL4G3	52BL4G3	
			Amber	52PL4G9	52BL4G9	
			White	52PL4GB	52BL4GB	
		240V	Red	52PL4H2	52BL4H2	
			Green	52PL4H3	52BL4H3	
			480V	Red	52PL4J2	52BL4J2
				Green	52PL4J3	52BL4J3
Amber	52PL4J9	52BL4J9				

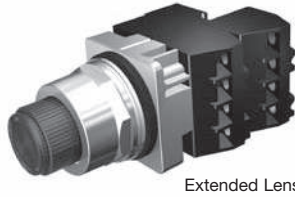
Readily available items are in **bold**.
This is a small representation of stocked items.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Illuminated Push Button & Push-to-Test

Selection Guide

Push Button & Push-to-Test - Illuminated



Extended Lens



Flush Lens

Part Number	52	a	T	c	d	e	f	g
a	Code	Finish						
	P	Chrome-Command 52						
	B	Epoxy Coated-Black Max						
b	Code	Function						
	T	Illuminated Push Button / Push-to-Test ¹						
c	Code	Style						
	6	Extended Lens						
	8	Flush Lens						
d	Code	Operation						
		Full Voltage² (AC/DC)						
		Incandescent	LED³					
	B	6-8V	6V					
	C	12-13V	—					
	D	24-28V	24-28V					
	E	120V	120V					
		Transformer²						
	G	120V AC						
	H	240V AC						
	Integrated LED Light Module							
L	6-24V AC/DC							
U	24-240V AC/DC							
e	Code	Color						
	2	Red						
	3	Green						
	5	Blue						
	7	All Colors						
	9	Amber						
	A	Clear						
	B	White						
	N	No Lens						
f	Code	Contact Blocks						
	A	1 NO - 1 NC						
	B	2 NO + 2 NC						
	C	3 NO + 3 NC						
	D	4 NO + 4 NC						
	E	1 NC (LB)						
	F	2 NO						
	G	2 NC						
	H	1NO (EM)						
	J	1 NC						
K	1 NO							
g	Code	Bulb Type						
	Blank	Incandescent						
	B	LED						
	Y	Super-Bright LED ⁴						

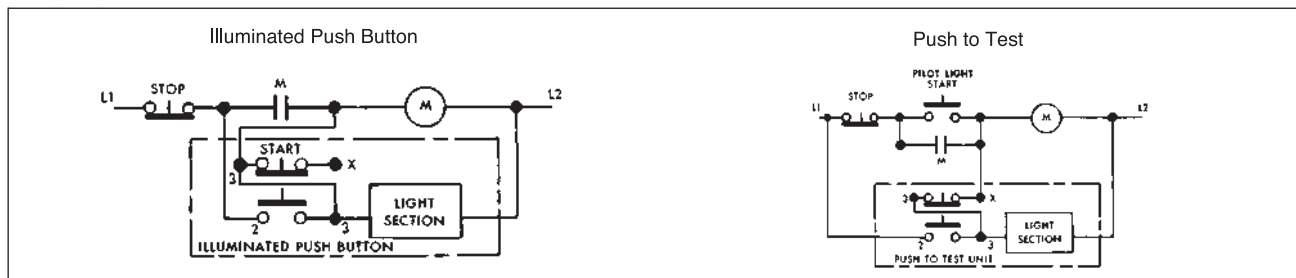
1 For push-to-test functionality, wire according to wiring diagram below.

2 Default bulb type is incandescent. For LED options, append field g. LED option not available on units sold "No Lens".

3 LED voltages apply to table g option code B and Y.

4 Not available in 120V or 240V.

Wiring Diagrams



Selection Tables

Push Button & Push-to-Test - Illuminated

Type	Lamp Type	Voltage	Color	Contacts	Extended Lens	
					Chrome	Black Max
Full Voltage (AC/DC)	LED	24V	Red	1 NO - 1 NC	52PT6D2AB	52BT6D2AB
			Green	1 NO - 1 NC	52PT6D3AB	52BT6D3AB
			Blue	1 NO - 1 NC	52PT6D5AB	52BT6D5AB
			Amber	1 NO - 1 NC	52PT6D9AB	52BT6D9AB
			White	1 NO - 1 NC	52PT6DBAB	52BT6DBAB
	Incandescent	24V	Red	1 NO - 1 NC	52PT6E2AB	52BT6E2AB
			Green	1 NO - 1 NC	52PT6E3AB	52BT6E3AB
			Red	1 NO - 1 NC	52PT6D2A	52BT6D2A
			Green	1 NO - 1 NC	52PT6D3A	52BT6D3A
			Blue	1 NO - 1 NC	52PT6D5A	52BT6D5A
Transformer (AC)	LED	120V	Amber	1 NO - 1 NC	52PT6D9A	52BT6D9A
			White	1 NO - 1 NC	52PT6DBA	52BT6DBA
			Red	1 NO - 1 NC	52PT6E2A	52BT6E2A
			Green	1 NO - 1 NC	52PT6E3A	52BT6E3A
			Red	1 NO - 1 NC	52PT6G2AB	52BT6G2AB
	Incandescent	120V	Green	1 NO - 1 NC	52PT6G3AB	52BT6G3AB
			Amber	1 NO - 1 NC	52PT6G9AB	52BT6G9AB
			White	1 NO - 1 NC	52PT6GBAB	52BT6GBAB
			Red	1 NO - 1 NC	52PT6H2AB	52BT6H2AB
			Green	1 NO - 1 NC	52PT6H3AB	52BT6H3AB
Incandescent	120V	Red	1 NO - 1 NC	52PT6G2A	52BT6G2A	
		Green	1 NO - 1 NC	52PT6G3A	52BT6G3A	
		Amber	1 NO - 1 NC	52PT6G9A	52BT6G9A	
		White	1 NO - 1 NC	52PT6GBA	52BT6GBA	
		No Lens	1 NO - 1 NC	52PT6GNA	52BT6GNA	
Incandescent	240V	Green	1 NO - 1 NC	52PT6H3A	52BT6H3A	
		Clear	1 NO - 1 NC	52PT6JAA	52BT6JAA	

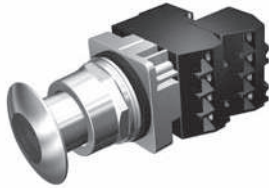
Readily available items are in **bold**.
This is a small representation of stocked items.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Illuminated Push Button

Selection Guide

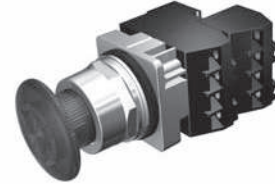
Push Button Mushroom Head Devices – Illuminated



Mushroom Head Metal Ø 1 3/4"



Mushroom Head Plastic Ø 2 1/2"



Mushroom Head Plastic Ø 1 3/4"

Part Number	52	a	T	9	d	e	f	g
-------------	-----------	----------	----------	----------	----------	----------	----------	----------

a	Code	Finish
	P	Chrome-Command 52
	B	Epoxy Coated-Black Max

b	Code	Type
	T	Push Button Operator

c	Code	Function
	9	2 positions – momentary in

d	Code	Operation
		Full Voltage² (AC/DC)
		Incandescent LED³
	B	6-8V 6V
	C	12-13V —
	D	24-28V 24-28V
	E	120V 120V
		Transformer²
	G	120V AC
	H	240V AC
	J	480V AC
	K	600V AC
		Integrated LED Light Module
	L	6-24V AC/DC
	U	24-240V AC/DC

e	Code	Style / Color
		Mushroom Head Metal Ø 1 3/4" (44.5mm)
	2	Red ¹
	3	Green
	5	Blue
	9	Amber
	A	Clear
	B	White
		Mushroom Head Plastic Ø 1 3/4" (44.5 mm)
	R	Red
	S	Green
	T	Amber
		Mushroom Head Plastic Ø 2 1/2" (63.5mm)
	D	Red ¹
	E	Green
	F	Amber
		No Head (full voltage & transformer only)
	Z	No head

f	Code	Contact Blocks
	A	1 NO + 1 NC
	B	2 NO + 2 NC
	C	3 NO + 3 NC
	D	4 NO + 4 NC
	E	1 NC (LB)
	F	2 NO
	G	2 NC
	H	1NO (EM)
	J	1 NC
	K	1 NO

g	Code	Bulb Type
	Blank	Incandescent
	B	LED
	Y	Super-Bright LED ⁴

1 Positive opening according to IEC 60947-5-1, Appendix K.
 2 Default bulb type is incandescent. For LED options, append field g. LED option not available on units sold "no head".
 3 LED voltages apply to table g option code B and Y.
 4 Not available in 120V or 240V.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Illuminated Selector Switches

Selection Guide

Selector Switches – Illuminated



Short Lever – Chrome



Short Lever – Black Max

Part Number	52	S	7						
		a	b	c	d	e	f	g	h

Finish	Style	Cam Type	Function	Color	Contacts	Part Number
Chrome	Maintained	2 Position: CAM A	24-28V AC/DC	No Insert	None	52SA7ADN
Chrome	Maintained	2 Position: CAM A	120V AC (Transformer)	No Insert	None	52SA7AGN
Chrome	Maintained	3 Position: CAM C	120V AC	No Insert	None	52SA7CGN

Readily available items are in **bold**.
This is a small representation of stocked items.

a	Code	Type
	S	Selector Switch

b	Code	Finish
	A	Chrome - Command 52
	X	Epoxy Coated - Black Max

c	Code	Style
	7	Maintained

d	Code	Function
	A	2 Position: CAM A
	B	3 Position: CAM B
	C	3 Position: CAM C

e	Code	Operation	
		Full Voltage ¹ (AC/DC)	
		Incandescent	LED ²
	B	6-8V	6V
	C	12-13V	—
	D	24-28V	24-28V
	E	120V	120V
		Transformer ¹	
	G	120V AC	
	H	240V AC	
	J	480V AC	
	K	600V AC	
		Integrated LED Light Module	
	L	6-24V AC/DC	
	U	24-240V AC/DC	

f	Code	Color
	2	Red
	3	Green
	5	Blue
	9	Amber
	A	Clear
	N	No Insert

g	Code	Contact Blocks
	A	1 NO - 1 NC
	E	1 NC (LB)
	H	1 NO (EM)
	J	1 NC
	K	1 NO

h	Code	Contact Quantity & Location	
		A CAM & C CAM Left	B CAM Right
	0	1	—
	1	—	1
	3	2	—
	4	—	2

i	Code	Bulb Type
	Blank	Incandescent
	B	LED
	Y	Super-Bright LED ³

1 Default bulb type is incandescent. For LED options, append field i.
LED option not available on units sold "no head".

2 LED voltages apply to table i option code B and Y.

3 Not available in 120V or 240V.

For CAM selection see page 10/204.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Non-Illuminated Selector Switch

Selection Guide

Selector Switch – Non-Illuminated



Short Lever



Long Lever

Part Number	52	S	b	2	d	e	f	g²	h²
		a	b	c	d	e	f	g²	h²

a	Code	Type
	S	Selector Switch

b	Code	Finish
	A	Chrome - Short Lever
	B	Chrome - Long Lever
	X	BlackMax - Short Lever
	W	BlackMax - Long Lever

c	Code	Style
	2	Non-Illuminated

d	Code	Function
	A	2 Position: CAM A
	B	3 Position: CAM B
	C	3 Position: CAM C ¹
	D	3 Position: CAM D
	E	3 Position: CAM E
	G	3 Position: CAM G
	H	4 Position: CAM H

e	Code	Type	
		2 Position	
		Maintained	Spring Return
	A	All	—
	C	Left	Right
		3 Position	
		Maintained	Spring Return
	A	All	—
	B	Center, Right	Left
	C	Center, Left	Right
	D	Center	Left, Right
		4 Position	
		Maintained Position	Spring Return
	A	All	—

f	Code	Color
	2	Red
	3	Green
	4	Yellow
	5	Blue
	6	Gray
	8	Orange
	B	White
N	No Insert (Black)	

g²	Code	Contact Blocks
	A	1 NO - 1 NC
	E	1 NC (LB)
	H	1 NO (EM)
	J	1 NC
K	1 NO	

h²	Code	Contact Quantity & Location	
		Left	Right
	0	1	—
	1	—	1
	2	1	1
	3	2	—
	4	—	2
	5	2	1
	6	1	2
	7	2	2
	8	3	—
9	—	3	

¹ C CAM on spring return selectors is limited to 4 contact blocks.
For CAM selection see page 10/204.

² For operator without contact blocks leave positions g and h blank.

Selector Switch, Non-Illuminated¹⁾

Contact Type	Contact	Switch Position		Type M = Maintained S = Spring Return	Chrome		Black Max	
		Left	Right		Short Lever	Long Lever	Short Lever	Long Lever
					2-Position Operator			
No Contacts	—	—	—	M M	52SA2AAB	52SB2AAB	52SX2AAB	52SW2AAB
				M<---S	52SA2ACB	52SB2ACB	52SX2ACB	52SW2ACB
1 N.O.	A	O	X	M M	52SA2AABK1	52SB2AABK1	52SX2AABK1	52SW2AABK1
				M<---S	52SA2ACBK1	52SB2ACBK1	52SX2ACBK1	52SW2ACBK1
1 N.O.	A	O	X	M M	52SA2AABA1	52SB2AABA1	52SX2AABA1	52SW2AABA1
1 N.C.	B	X	O	M<---S	52SA2ACBA1	52SB2ACBA1	52SX2ACBA1	52SW2ACBA1

Contact Type	Contact	Switch Position			Type M = Maintained S = Spring Return	Chrome		Black Max	
		Left	Center	Right		Short Lever	Long Lever	Short Lever	Long Lever
					3-Position Operator				
No Contacts	—	—	—	—	M M M	52SA2CAB	52SB2CAB	52SX2CAB	52SW2CAB
					M M M	52SA2BAB	52SB2BAB	52SX2BAB	52SW2BAB
					S--->M M	52SA2BBB	52SB2BBB	52SX2BBB	52SW2BBB
					M M<----S	52SA2BCB	52SB2BCB	52SX2BCB	52SW2BCB
					S--->M<---S	52SA2BDB	52SB2BDB	52SX2BDB	52SW2BDB
1 N.O.	A	O	O	X	M M M	52SA2CABA1	52SB2CABA1	52SX2CABA1	52SW2CABA1
					S--->M M	52SA2CBBA1	52SB2CBBA1	52SX2CBBA1	52SW2CBBA1
1 N.C.	B	X	O	O	M M<----S	52SA2CCBA1	52SB2CCBA1	52SX2CCBA1	52SW2CCBA1
					S--->M<---S	52SA2CDBA1	52SB2CDBA1	52SX2CDBA1	52SW2CDBA1
1 N.O.	A	O	O	X	M M M	52SA2CABA2	52SB2CABA2	52SX2CABA2	52SW2CABA2
1 N.C.	B	X	O	O	S--->M M	52SA2CBBA2	52SB2CBBA2	52SX2CBBA2	52SW2CBBA2
1 N.O.	C	O	O	X	M M<----S	52SA2CCBA2	52SB2CCBA2	52SX2CCBA2	52SW2CCBA2
1 N.C.	D	X	O	O	S--->M<---S	52SA2CDBA2	52SB2CDBA2	52SX2CDBA2	52SW2CDBA2
1 N.O.	A	O	O	X	M M M	52SA2GABJ2K1	52SB2GABJ2K1	52SX2GABJ2K1	52SW2GABJ2K1
1 N.C.	B	X	O	O	M M M	52SA2GABJ2K1	52SB2GABJ2K1	52SX2GABJ2K1	52SW2GABJ2K1
1 N.C.	C	O	X	O	M M M	52SA2GABJ2K1	52SB2GABJ2K1	52SX2GABJ2K1	52SW2GABJ2K1

Contact Type	Contact	Switch Position				Type M = Maintained S = Spring Return	Chrome		Black Max	
		Left	Center	Right	Center		Short Lever	Long Lever	Short Lever	Long Lever
					4-Position Operator					
No Contacts	—	—	—	—	—	M M M M	52SA2HAB	52SB2HAB	52SX2HAB	52SW2HAB
1 N.O.	A	X	O	O	O	M M M M	52SA2HABJ2K1	52SB2HABJ2K1	52SX2HABJ2K1	52SW2HABJ2K1
1 N.C.	B	O	X	O	O	M M M M	52SA2HABJ2K1	52SB2HABJ2K1	52SX2HABJ2K1	52SW2HABJ2K1
1 N.C.	C	O	O	X	O	M M M M	52SA2HABJ2K1	52SB2HABJ2K1	52SX2HABJ2K1	52SW2HABJ2K1
1 N.O.	A	O	O	O	X	M M M M	52SA2HABJ2K2	52SB2HABJ2K2	52SX2HABJ2K2	52SW2HABJ2K2
1 N.O.	B	X	O	O	O	M M M M	52SA2HABJ2K2	52SB2HABJ2K2	52SX2HABJ2K2	52SW2HABJ2K2
1 N.C.	C	O	X	O	O	M M M M	52SA2HABJ2K2	52SB2HABJ2K2	52SX2HABJ2K2	52SW2HABJ2K2
1 N.C.	D	O	O	X	O	M M M M	52SA2HABJ2K2	52SB2HABJ2K2	52SX2HABJ2K2	52SW2HABJ2K2

Note: X = Closed / O = Open

1) Readily available items are in **bold**.

This is a small representation of stocked items.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Keyed Selector Switch

Selection Guide

Keyed Selector Switch

Part Number	52	S	C						
		a	b	c	d	e	f³	g³	h

a	Code	Type
	S	Selector Switch

b	Code	Finish
	C	Chrome – Command 52

c	Code	Style
	5	Non-Standard Lock/Key ^{1a}
	6	Standard Lock/Key

d	Code	Function
	A	2 Position: CAM A
	B	3 Position: CAM B
	C	3 Position: CAM C ²
	D	3 Position: CAM D
	E	3 Position: CAM E
	G	3 Position: CAM G
	H	4 Position: CAM H

e	Code	Lock Type		
		2 Position		
		Maintained / Spring Return	Key Removal	
			Left	Right
	E	All Maintained	X	X
	F	All Maintained	X	—
	G	All Maintained	—	X
	X	Spring from Right	X	—

e	Code	3 Position				
		Maintained Position	Spring Return	Key Removal		
				Left	Center	Right
	E	All	—	X	X	X
	F	All	—	X	—	—
	G	All	—	—	—	X
	H	All	—	—	X	—
	J	All	—	X	—	X
	K	All	—	X	X	—
	M	All	—	—	X	X
	T	Center, Right	Left	—	X	—
	U	Left, Center	Right	—	X	—
	V	Center	Left, Right	—	X	—
	W	Center, Right	Left	—	—	X
	Y	Center, Right	Left	—	X	X
	Z	Left, Center	Right	X	X	X

e	Code	4 Position				
		Maintained Position	Key Removal			
			Left	Left Center	Right Center	Right
	E	All	X	X	X	X
	F	All	X	—	—	—
	G	All	—	—	—	X

f³	Code	Contact Blocks
	A	1 NO - 1 NC
	J	1 NC
	K	1 NO
	E	1 NC (LB)
	H	1 NO (EM)

g³	Code	Contact Quantity & Location	
		Left	Right
	0	1	—
	1	—	1
	2	1	1
	3	2	—
	4	—	2
	5	2	1
	6	1	2
	7	2	2
	8	3	—
	9	—	3

h	Code	Key Type^{1b}
	Blank	501CH
	X298	550CH
	X299	549CH
	X300	548CH
	X301	547CH
	X302	506CH



Standard Lock/Key

1a. See page 10/201 for replacement keys, and up-to 15 additional uniquely keyed M - Series Lock Options available for use with the 52SC6 key-operated selector switches.

1b. To order the specific lock types shown in table h, simply append the corresponding "X" suffix to a standard part number (Ordering Example: 52SC6AEX298).

Note: Same list price applies as standard keyed locks.

2. C CAM on spring return selectors is limited to 4 contact blocks. For CAM selection see page 10/204.

3 For operator without contact blocks leave positions f and g blank.

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Keyed Selector Switch

Key-operated Selector Switch, Non-Illuminated¹⁾

Contact Type	Contact	Switch Position		Type	Key Removal	
		Left	Right	M = Maintained S = Spring Return	Left	Both
					2-Position Operator	
No Contacts	—	—	—	M M	52SC6AF	52SC6AE
				M<---S	52SC6AX	—
1 N.O.	A	O	X	M M	52SC6AFK1	52SC6AEK1
				M<---S	52SC6AXK1	—
1 N.O.	A	O	X	M M	52SC6AFA1	52SC6AEA1
1 N.C.	B	X	O	M<---S	52SC6AXA1	—

Contact Type	Contact	Switch Position			Type	Key Removal							
		Left	Center	Right	M = Maintained S = Spring Return	Left	Right	Center	Left & Center	Left & Right	Center & Right	All Positions	
						3-Position Operator							
No Contacts	—	—	—	—	M M M	52SC6CF	52SC6CG	52SC6CH	52SC6CK	52SC6CJ	52SC6CM	52SC6CE	
					M M M	52SC6BF	52SC6BG	52SC6BH	52SC6BK	52SC6BJ	52SC6BM	52SC6BE	
					S--->M M	—	—	52SC6BW	52SC6BT	—	—	52SC6BY	—
					M M<----S	—	—	52SC6BU	52SC6BZ	—	—	—	—
					S--->M<---S	—	—	52SC6BV	—	—	—	—	—
1 N.O.	A	O	O	X	M M M	52SC6CFA1	52SC6CGA1	52SC6CHA1	52SC6CKA1	52SC6CJA1	52SC6CMA1	52SC6CEA1	
					S--->M M	—	—	52SC6CWA1	52SC6CTA1	—	—	52SC6CYA1	—
					M M<----S	—	—	52SC6CUA1	52SC6CZA1	—	—	—	—
1 N.C.	B	X	O	O	S--->M<---S	—	—	52SC6CVA1	—	—	—	—	
					M M M	52SC6CFA2	52SC6CGA2	52SC6CHA2	52SC6CKA2	52SC6CJA2	52SC6CMA2	52SC6CEA2	
1 N.C.	B	X	O	O	S--->M M	—	—	52SC6CWA2	52SC6CTA2	—	—	52SC6CYA2	—
1 N.O.	C	O	O	X	M M<----S	—	—	52SC6CUA2	52SC6CZA2	—	—	—	
1 N.C.	D	X	O	O	S--->M<---S	—	—	52SC6CVA2	—	—	—	—	
1 N.O.	A	O	O	X	M M M	52SC6GFJ2K1	52SC6GGJ2K1	52SC6GHJ2K1	52SC6GKJ2K1	52SC6GJ2K1	52SC6GMJ2K1	52SC6GEJ2K1	
1 N.C.	B	X	O	O	M M M	52SC6GFJ2K1	52SC6GGJ2K1	52SC6GHJ2K1	52SC6GKJ2K1	52SC6GJ2K1	52SC6GMJ2K1	52SC6GEJ2K1	
1 N.C.	C	O	X	O	M M M	52SC6GFJ2K1	52SC6GGJ2K1	52SC6GHJ2K1	52SC6GKJ2K1	52SC6GJ2K1	52SC6GMJ2K1	52SC6GEJ2K1	

Contact Type	Contact	Switch Position				Type	Key Removal	
		Left	Left Center	Right Center	Right	M = Maintained S = Spring Return	Right	All Positions
							4-Position Operator	
No Contacts	—	—	—	—	—	M M M M	52SC6HG	52SC6HE
1 N.O.	A	X	O	O	O	M M M M	52SC6HGJ2K1	52SC6HEJ2K1
1 N.C.	B	O	X	O	O	M M M M	52SC6HGJ2K1	52SC6HEJ2K1
1 N.C.	C	O	O	X	O	M M M M	52SC6HGJ2K1	52SC6HEJ2K1
1 N.O.	A	O	O	O	X	M M M M	52SC6HGJ2K2	52SC6HEJ2K2
1 N.O.	B	X	O	O	O	M M M M	52SC6HGJ2K2	52SC6HEJ2K2
1 N.C.	C	O	X	O	O	M M M M	52SC6HGJ2K2	52SC6HEJ2K2
1 N.C.	D	O	O	X	O	M M M M	52SC6HGJ2K2	52SC6HEJ2K2

Note: X = Closed / O = Open

All Operators listed above are furnished with Lock No. 501CH

1) Readily available items are in bold.

This is a small representation of stocked items.

Actuators and Indicators, Customized Designs

Special locks

Options

Special locks for key-operated switches

Siemens Key-Operated Selector Switches beginning with 51SA6 or 52SC6 can be optionally ordered with the 15 uniquely keyed M-Series Locks by appending the corresponding "X" suffixes from the table below to the catalog number. (Ordering Example for Lock Number M705: 52SC6CEX705).

Note: Pricing for M - Series Locks on this page are slightly higher than standard lock types.

Suffix Code	Lock Number
X705	M705
X709	M709
X713	M713
X714	M714
X715	M715
X723	M723
X725	M725
X738	M738
X749	M749
X750	M750
X757	M757
X766	M766
X779	M779
X782	M782
X795	M795

Spare Keys for Key-Operated Selector Switches

Spare Key	Part Number
550CH (1 Key)	52KEY-550CH
549CH (1 Key)	52KEY-549CH
548CH (1 Key)	52KEY-548CH
547CH (1 Key)	52KEY-547CH
501CH (1 Key)	52KEY-501CH
506CH (1 Key)	52KEY-506CH
M703 (1 Key)	52KEY-M703
M705 (1 Key)	52KEY-M705
M706 (1 Key)	52KEY-M706
M709 (1 Key)	52KEY-M709
M712 (1 Key)	52KEY-M712
M713 (1 Key)	52KEY-M713
M714 (1 Key)	52KEY-M714
M715 (1 Key)	52KEY-M715
M716 (1 Key)	52KEY-M716
M717 (1 Key)	52KEY-M717
M723 (1 Key)	52KEY-M723
M725 (1 Key)	52KEY-M725
M728 (1 Key)	52KEY-M728
M730 (1 Key)	52KEY-M730
M735 (1 Key)	52KEY-M735
M736 (1 Key)	52KEY-M736
M738 (1 Key)	52KEY-M738
M747 (1 Key)	52KEY-M747
M749 (1 Key)	52KEY-M749
M750 (1 Key)	52KEY-M750
M752 (1 Key)	52KEY-M752
M753 (1 Key)	52KEY-M753
M756 (1 Key)	52KEY-M756
M757 (1 Key)	52KEY-M757
M759 (1 Key)	52KEY-M759
M766 (1 Key)	52KEY-M766
M769 (1 Key)	52KEY-M769
M771 (1 Key)	52KEY-M771
M779 (1 Key)	52KEY-M779
M784 (1 Key)	52KEY-M784
M790 (1 Key)	52KEY-M790
M795 (1 Key)	52KEY-M795
M700 (1 Key)	52KEY-M700
M701 (1 Key)	52KEY-M701
M702 (1 Key)	52KEY-M702
M704 (1 Key)	52KEY-M704
M705 (1 Key)	52KEY-M705
M707 (1 Key)	52KEY-M707
M711 (1 Key)	52KEY-M711
M713 (1 Key)	52KEY-M713
M715 (1 Key)	52KEY-M715
M782 (1 Key)	52KEY-M782
M795 (1 Key)	52KEY-M795

30mm Water, Oil Tight & Corrosion Resistant – Class 52

Selector Push Button

Selection Guide

Selector Push Button

Part Number	52	S a	A b	c	d	e	f ¹
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Selector Push Buttons

Finish	Style	Function	Color	Contacts	Part Number
Chrome	Flush Selector Push Button	2 Position CAM Q	Black	None	52SA3Q1
Chrome	Flush Selector Push Button	2 Position CAM R	Black	None	52SA3R1
Chrome	Flush Selector Push Button	2 Position CAM P	Black	None	52SA3P1

Readily available items are in **bold**.
This is a small representation of stocked items.




a	Code	Type
	S	Selector Push Buttons
b	Code	Finish
	A	Chrome - Command 52
c	Code	Style
	3	Flush Button
	4	Extended Button - 1/2"

d	Code	Function
	P	2 Position: CAM P
	Q	2 Position: CAM Q
	R	2 Position: CAM R
e	Code	Color
	1	Black
	2	Red

f ¹	Code										Contact Blocks	
	CAM P (2 Selector Position)											
	Left		Center		Right		Contact Blocks	Mounting Position				
	N	D	N/A	N/A	N	D						
	J0	X	O	—	—	O	O	NC	Left			
	K0	O	X	—	—	X	X	NO	Left			
	CAM Q (2 Selector Position)											
	Left		Center		Right		Contact Blocks	Mounting Position				
	N	D	N/A	N/A	N	D						
	J0	X	X	—	—	O	O	NC	Left			
	J1	X	O	—	—	O	O	NC	Right			
	K0	O	O	—	—	O	X	NO	Left			
	K1	O	X	—	—	O	X	NO	Right			
	CAM R (2 Selector Position)											
	Left		Center		Right		Contact Blocks	Mounting Position				
	N	D	N/A	N/A	N	D						
	J0	X	X	—	—	X	O	NC	Left			
	J1	X	O	—	—	X	X	NC	Left			
	K0	O	O	—	—	O	X	NO	Right			
	K1	O	X	—	—	O	O	NO	Right			
	CAM S (3 Selector Position)											
	Left		Center		Right		Contact Blocks	Mounting Position				
	N	D	N	D	N	D						
	J0	X	O	O	O	O	O	NC	Left			
	J1	X	O	X	X	O	O	NC	Right			
	K0	O	O	O	X	O	X	NO	Left			
	K1	O	X	O	O	O	X	NO	Right			

Note: X = Closed / O = Open 1 For operator without contact blocks leave position f blank

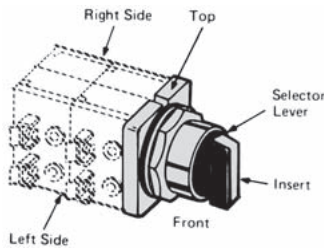
Selection and ordering data

	Version	Ohms / color	Order no.	Pack
	Potentiometer operator	50	52MA3B01	1
	2 Watts, 500 V AC/DC (NEMA Type 4)	150	52MA3B03	
		250	52MA3B04	
		500	52MA3B06	
		750	52MA3B07	
		1 K	52MA3B08	
		2.5 K	52MA3B10	
		5 K	52MA3B12	
		10 K	52MA3B14	
		15 K	52MA3B15	
		25 K	52MA3B16	
		50 K	52MA3B18	
		100 K	52MA3B20	
		150 K	52MA3B21	
		250 K	52MA3B22	
		500 K	52MA3B24	
	1 M	52MA3B26		
	1.5 M	52MA3B27		
	2 M	52MA3B28		
	5 M	52MA3B31		
	2 Button maintained operator	black (flush) / red (flush)	52MP2A1A2	1
		black (flush) / red (extended)	52MP2A1B2	
		black (flush) / yellow (mushroom)	52MP2A1W4	
		green (flush) / red (flush)	52MP2A3A2	
		green (flush) / red (extended)	52MP2A3B2	
		green (flush) / red (mushroom)	52MP2A3W2	
		green (flush) / green (mushroom)	52MP2A3W3	
	Button remains depressed when pushed	less caps	52MP2	
	Wobble stick 2.5" operator	red	52ABW2 ^①	1
	For use with 52BAJ (NC) contact block	green	52ABW3 ^①	
		grey	52ABW6 ^①	

① For use with 52BAJ (NC) contact block

Cam selection

Selection and ordering data



Ordering Information

- Contact blocks are ordered separately, [see page 10/204](#)
- Determine which table to use based upon the type of selector (non-illum selector switch-top, illum selector switch-middle, and selector pushbutton-bottom).
- Find the correct number of selector positions (2, 3 or 4 positions).
- Select the contact operation required for each selector position. X indicates the contacts are closed, while O indicates the contacts are open. (For the selector pushbutton, N=normal and D=depressed).
- Contact block must be assembled in position shown for each circuit application.
- Identify the CAM letter required for the chosen contact operation (only 1 CAM can be used per selector switch or selector pushbutton).
- Contact blocks must be assembled in the position shown for each circuit application. The mounting position is viewed from the front of the device.

Ordering CAMs D, E or G

- CAM D, E or G may be ordered at the same price by changing the 6th character of the selector catalog number. Example: Selector with D cam **52SX2DAB**.

Size Requirements

- C CAM on spring return selectors is limited to 4 contact blocks.
- Selector operators in enclosures are limited to depth of 1 contact block. (2 blocks wide).

Non-illuminated and keyed selector switches (viewed from front)

2 Selector Positions				Contact Blocks	CAM	Mounting		
Left		Right	Left			Right		
X		O		NC (52BAJ)	A	L	or R	
O		X		NO (52BAK)	A	L	or R	
3 Selector Positions				Contact Blocks	CAM	Mounting		
Left	Center	Right	Left			Right		
X		O		NO (52BAK)	B		R	
O		X		NO (52BAK)	B	L		
X	X	O		NC (52BAJ)	B	L		
O	X	X		NC (52BAJ)	B		R	
X	O	X		2NO (2-52BAK)	B	L	and R	
X	O	O		NC (52BAJ)	C	L	or R	
O	O	X		NO (52BAK)	C	L	or R	
O	X	O		NC (52BAJ)	D	L	or R	
O	O	X		NO (52BAK)	D	L	or R	
X	O	O		NO (52BAK)	E	L	or R	
O	X	O		NC (52BAJ)	E	L	or R	
X	O	O		NC (52BAJ)	G	L		
O	X	O		NC (52BAJ)	G		R	
O	O	X		NO (52BAK)	G	L	or R	
4 Selector Positions					Contact Blocks	CAM	Mounting	
Left	Left Center	Right Center	Right	Left			Right	
X	O	O	O	NO (52BAK)	H		R	
O	X	O	O	NC (52BAJ)	H	L		
O	O	X	O	NC (52BAJ)	H		R	
O	O	O	X	NO (52BAK)	H	L		

Illuminated selector switches (viewed from front)

2 Selector Positions				Contact Blocks	CAM	Mounting	
Left		Right	Left			Right	
X		O		NC (52BAJ)	A	L	
O		X		NO (52BAK)	A	L	
3 Selector Positions				Contact Blocks	CAM	Mounting	
Left	Center	Right	Left			Right	
O	O	X		NC (52BAJ)	B		R
O	X	O		NO (52BAK)	B		R
X	O	O		NC (52BAJ)	C	L	
O	O	X		NO (52BAK)	C	L	

Selector Pushbuttons (viewed from front)

2 Selector Positions						Contact Blocks	CAM	Mounting	
Left		Right		Left	Right				
N	D	N	D						
X	O	O	O	NC (52BAJ)	Q			L	R
X	X	O	O	NC (52BAJ)	Q	L			
O	X	O	X	NO (52BAK)	Q			L	R
O	O	O	X	NO (52BAK)	Q	L			
X	O	O	O	NC (52BAJ)	P	L	or		R
O	X	X	X	NO (52BAK)	P	L	or		R
X	X	X	O	NC (52BAJ)	R	L			
X	O	X	X	NC (52BAJ)	R				R
O	X	O	O	NO (52BAK)	R				R
O	O	O	X	NO (52BAK)	R	L			
3 Selector Positions						Contact Blocks	CAM	Mounting	
Left	Center	Right		Left	Right				
N	D	N	D	N	D				
X	O	O	O	O	O	NC (52BAJ)	S	L	
X	O	X	X	O	O	NC (52BAJ)	S		R
O	X	O	O	O	X	NO (52BAK)	S		R
O	O	O	X	O	X	NO (52BAK)	S	L	

Selection and ordering data

Assembled Non-illuminated Selector Switches






- Determine contact block and location from above.
- Select block suffix. Ex: **J = 52BAJ**.
- Now select position suffix.
- **1-52BAJ** block mounted on right side, suffix will be **J 1**.
- Additional suffixes allow for multiple quantities and locations.
- Repeat process for next block if required.
- Add list price of blocks to operator list price.
- Consult factory for delivery.

Example 1: X O O
 O O X
 HAND-OFF-AUTO Maintained Switch
 Catalog No **52SA2CAB A 1 = 52A2CABA1**
 (**52BJK** block mounted on right side)

Example 2: X O O **52BAJ (L)**
 O X O **52BAJ (R)**
 O O X **52BAK (L or R) }K1**
 G Cam required
 Catalog No **52SA2GAB J2 K1 = 52SA2GABJ2K1**








Block Suffix	Position Suffix	
	Suffix	Quantity and Location
		Left Right
A = 1 NO - 1 NC, 52BJK	0	1 —
E = NC Late Break, 52BAE	1	— 1
H = NO Early Make, 52BAH	2	1 1
J = NC, 52BAJ	3	2 —
K = NO, 52BAK	4	— 2
	5	2 1
	6	1 2
	7	2 2
	8	3 —
	9	— 3

Selection and ordering data











Version	Suitable for	Color	Order no.
 <p>Flush actuator lens cap The 52RC1 Screw-on style caps shown are used on the new 52BM8 & 52PM8 Pushbutton Operators.</p>	For flush type, non-illuminated pushbuttons bag of 5 caps	black red green yellow blue gray orange kit- all colors	52RC1A1 52RC1A2 52RC1A3 52RC1A4 52RC1A5 52RC1A6 52RC1A8 52RC1AN
 <p>Extended actuator lens cap The 52RC1 Screw-on style caps shown are used on the new 52BM8 & 52PM8 Pushbutton Operators.</p>	For extended type, non-illuminated pushbuttons bag of 5 caps	black red green yellow blue gray orange 1 of each color cap	52RC1B1 52RC1B2 52RC1B3 52RC1B4 52RC1B5 52RC1B6 52RC1B8 52RC1BN
 <p>Replacement Lens for Indicator Lights</p>	For catalog numbers starting with 52PL or 52BL ^①	Plastic red green blue amber clear white 1 of each color	52RA4S2 52RA4S3 52RA4S5 52RA4S9 52RA4SA 52RA4SB 52RA4SN
 <p>Replacement Lens for Push to Test/Illuminated Pushbuttons The 52RA5S Raised lens caps shown are used on the 52BT6 & 52PT6 PTT/Illuminated Pushbutton Operators. To order Flush lens caps for the new style 52BT8 & 52PT8 PTT/Illuminated Pushbutton Operators change the 52RA5S prefix to 52RC5P (i.e. 52RC5P2).</p>	For catalog numbers starting with 52PT or 52BT ^①	Glass red green blue amber clear white 1 of each color	52RA4T2 52RA4T3 52RA4T5 52RA4T9 52RA4TA 52RA4TB 52RA4TN
 <p>Replacement Lens for Push to Test/Illuminated Pushbuttons The 52RA5S Raised lens caps shown are used on the 52BT6 & 52PT6 PTT/Illuminated Pushbutton Operators. To order Flush lens caps for the new style 52BT8 & 52PT8 PTT/Illuminated Pushbutton Operators change the 52RA5S prefix to 52RC5P (i.e. 52RC5P2).</p>	For catalog numbers starting with 52PT or 52BT ^①	Plastic red green blue amber clear white	52RA5S2 52RA5S3 52RA5S5 52RA5S9 52RA5SA 52RA5SB

① It is possible to retrofit catalog numbers starting with 52PA, 52PE and 52PX with the replacement lens. The new lens have concentric ribs for improved light distribution.

Selection and ordering data

Version	Suitable for	Color	Order no.
Mushroom head push pull illuminated plastic screw-on type	For small 1 3/4" type, push-pull units	red green amber	52RC3JR 52RC3JS 52RC3JT
	For large 2 1/2" type, push-pull units	red green amber	52RC3KR 52RC3KS 52RC3KT
 Mushroom head push pull illuminated metal screw-on type	Chrome, for small 1 3/4" type, push-pull units	red green amber white	52RB3H2 52RB3H3 52RB3H9 52RB3HB
	BlackMax, for small 1 3/4" type, push-pull units	red green amber white	52RX3H2 52RX3H3 52RX3H9 52RX3HB
 Mushroom head push pull non-illuminated plastic screw-on type	For small 1 3/4" type, push-pull units (catalog numbers starting with 52PP, 52BP, 52PM9 or 52BM9)	black red green yellow blue gray orange 1 of each color	52RC3D1 52RC3D2 52RC3D3 52RC3D4 52RC3D5 52RC3D6 52RC3D8 52RC3DN
	For large 2 1/2" type, push-pull units (catalog numbers starting with 52PP, 52BP, 52PM9 or 52BM9)	black red green yellow blue gray orange 1 of each color	52RC3E1 52RC3E2 52RC3E3 52RC3E4 52RC3E5 52RC3E6 52RC3E8 52RC3EN
 Mushroom head push pull non-illuminated metal screw-on type	For small 1 3/4" type, push-pull units (catalog numbers starting with 52PP or 52BP)	red green chrome	52RC3F2 52RC3F3 52RC3FC
 Twist to release head illuminated plastic screw-on type	For small twist to release units	red green amber	52RC3RR 52RC3RS 52RC3RT
 Twist to release head non-illuminated plastic screw-on type	For small twist to release units	red green yellow	52RC3R2 52RC3R3 52RC3R4
 Replacement lens kit for illuminated selector switches (Knob with Insert)		red green blue amber clear white	52RA6P2 52RA6P3 52RA6P5 52RA6P9 52RA6PA 52RA6PB
 Lever inserts	Short lever	red green yellow blue gray orange white	52RA2A2 52RA2A3 52RA2A4 52RA2A5 52RA2A6 52RA2A8 52RA2AB
	Long lever	red green yellow blue gray orange white	52RA2B2 52RA2B3 52RA2B4 52RA2B5 52RA2B6 52RA2B8 52RA2BB

Selection and ordering data

Version	Suitable for	Color	Order no.
 Protective boot Offers protection from ice and foreign substances from interfering with button operation	Flush pushbutton operations	clear black	52AABA 52AAB1
 Guards Prevents accidental operation	Non-illuminated basic pushbuttons 1 5/8" mushroom pushbuttons, 1 3/4" push-pull units ^① , and twist to release units Push to test/illuminated pushbutton and indicator lights	chrome blackmax chrome blackmax chrome blackmax	52AAGP 52AXGP 52AAGM 52AXGM 52AAGL 52AXGL
 EMERGENCY-STOP Backing Ring	Yellow 90mm E-STOP Backing Ring		52AAR
 Locknuts Replacement front ring	Non-illuminated basic pushbuttons Non-illuminated mushroom pushbuttons Push-pull and twist-to-release units (only for push-pull units starting with 52PP or 52BP) ^② Indicator Lights Selector switches	chrome blackmax chrome blackmax chrome blackmax blue amber chrome blackmax	52AANP 52AXNP 52AANL 52AXNL 52CANP 52CXNP 52AANL 52AXNL 52AANS 52AXNS
Mounting Accessories	Class 52 Trim Washer Kit (Set of 10 pcs) Class 52 Washer Kit (Include 2-Neoprene Gaskets, 1-Trim Washer, 1-Index Locking Ring (chrome))	chrome	52AAQ 52AAD
Padlock attachments	Non-illuminated basic pushbuttons	flush extended	52AALA 52AALB
 EMERGENCY-STOP Lock Out	Class 52 Illuminated Mushroom Head Pushbuttons; 304 Stainless Steel	chrome (304 SS)	52AALE
 Padlock cover Lock devices in off position	Pushbuttons, selector switches, and non-illuminated mushroom heads		52AALS
 Lock nut wrench	All devices		52MAWB
 Hole plugs		corrosion resistant steel, grey stainless steel	52AAH6 52ABH6 52ABHS
Spare keys (Kit includes 1 Key)	Class 52 Standard Keyed Selector Switch. Keyed Selector Switch ordered with Suffix X302. Keyed Selector Switch ordered with Suffix X301. Keyed Selector Switch ordered with Suffix X300. Keyed Selector Switch ordered with Suffix X299. Keyed Selector Switch ordered with Suffix X298.	501CH 506CH 547CH 548CH 549CH 550CH	52KEY-501CH 52KEY-506CH 52KEY-547CH 52KEY-548CH 52KEY-549CH 52KEY-550CH
 Grounding kit	All devices		52AL109145
 Touchsafe contact blocks with gold flashing			
52 BAJ	1 NO 1 NC 1 NO - 1 NC		52BAK 52BAJ ^③ 52BJK ^④
52 BAK	1 NO early make 1 NC late break 1 NO - 1 NC	closes before 52BAK opens after 52 BAJ Reed switch; UL listed for class 1 division 2; .25A Max, 200V AC, 10 Watt max .5A Max, 200V DC, 10 Watt max	52BAH 52BAE 52BAR ^③
52 BAR	1 NC extra late break		52BAU


① These can also be used with the 1 5/8" push-pull devices.

② For push-pull units starting with part numbers 52PA, 52PE or 52PX, replacement locknuts can be ordered using 52AANL (Chrome) and 52AXNL (BlackMax).

③ Hermetically Sealed

④ ⊕ Positive opening according to IEC 60947-5-1, Appendix K.

Selection and ordering data

Version	Suitable for	Lamp voltage	Color	Order no.
Lamps with screw connection, miniature bayonet (BA 9s style)				
Incandescent lamps,				
	Flashing, type 267 lamp (replaces 755 lamp)	51, 52	6 V	52AABNF
	6V type 755 lamp (Rated 150 mA)	51, 52	6 V	52AABN
	12V type 756 (Rated 80 mA)	51, 52	12 V	52AACN
	24V type 757 (Rated 80 mA)	51, 52	24 V	52AADN
	48V, 2W	52	48 V	3SB1902-1AP
	60V, 2W	52	60 V	3SR9424
	120V, 2.5W, type #120MB (Rated 250 mA)	52	120 V	52AAENC1
Neon (uses resistors) type B2A (NE-51H)	52	120 V	52AAPN	
Candelabra, 120V, 3W, Full voltage type 3S6/5	52 older revision styles	120 V		52AAENC
LED bulbs^①				
LED, BA9s type	Class 52	6 V AC/DC 24 V AC/DC 120 V AC/DC		52AEB□ 52AED□ 52AEE□
Super-Bright LED	Class 52	6 V AC/DC 24 V AC/DC		52AEB□7 52AED□7
LED lighting module with integrated LED.				
Single LED	Class 52	6-24 V AC/DC 24-240V AC/DC		52AAIL□ 52AAIU□
Full voltage lighting module accessory with BA9s type lamp^①				
LED	Class 52	6 V AC/DC 24 V AC/DC 120 V AC/DC		52AAF□B 52AAF□D 52AAF□E
Super-Bright LED	Class 52	6 V AC/DC 24 V AC/DC		52AAF□Y 52AAF□Y
Incandescent bulb	Class 52	6 V AC/DC 24 V AC/DC 120 V AC/DC		52AAF□B 52AAF□D 52AAF□E
Transformer lighting module accessory with BA9s type lamp^①				
LED	Class 52	120 V AC 240 V AC 277 V AC 480 V AC 600 V AC		52AAT□B 52AATH□B 52AATT□B 52AAT□J 52AAT□K
Super-Bright LED	Class 52	120 V AC 240 V AC 277 V AC 480 V AC 600 V AC		52AAT□Y 52AATH□Y 52AATT□Y 52AAT□J 52AAT□Y
Incandescent bulb	Class 52	120 V AC 240 V AC 277 V AC 480 V AC 600 V AC		52AAT□N 52AATH□N 52AATT□N 52AAT□J 52AAT□N

Color options:

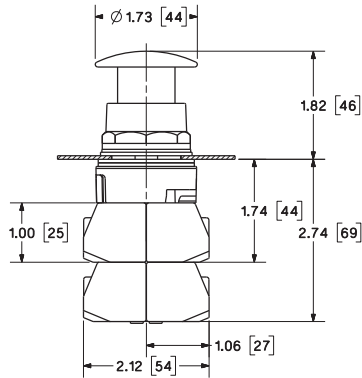
- red
- green
- yellow/amber
- blue
- white/clear

2
3
4
5
B

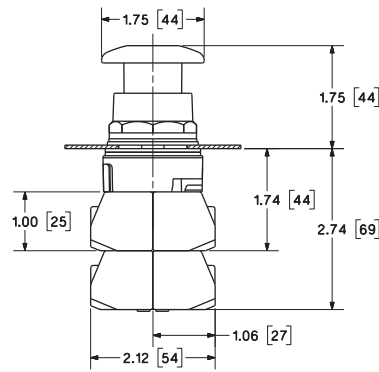
① Standard LED lamps are recommended for indoor applications, Super-Bright LED Lamps are recommended for outdoor applications.

Dimensional drawings

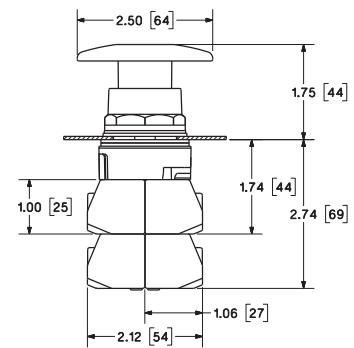
Non-Illuminated Push-Pull
Metal Mushroom Head



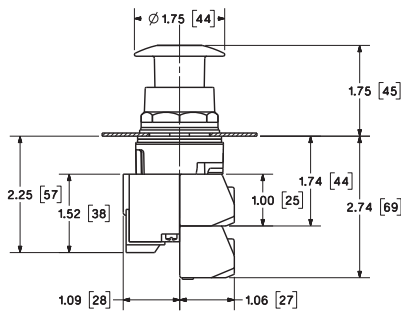
Non-Illuminated Push-Pull
Small Plastic Mushroom Head



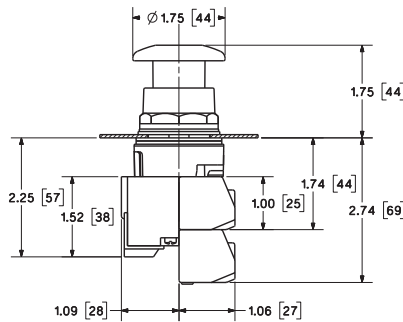
Non-Illuminated Push-Pull
Large Plastic Mushroom Head



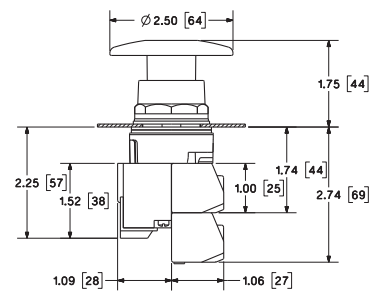
Illuminated Push-Pull
Metal Mushroom Head



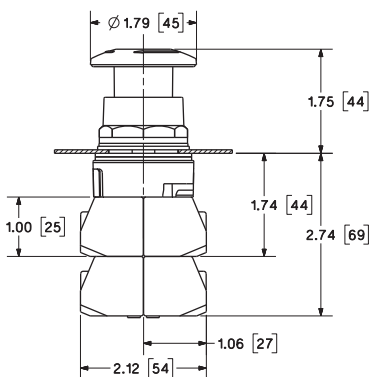
Fully Illuminated Push-Pull
Small Plastic Mushroom Head



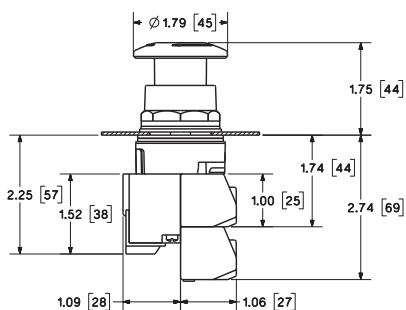
Illuminated Push-Pull
Large Plastic Mushroom Head



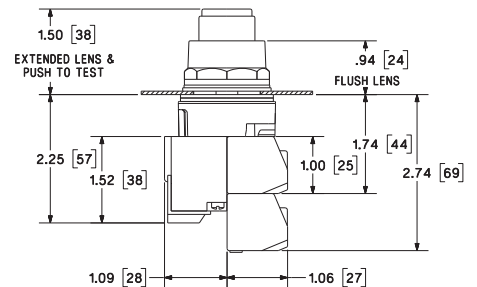
Non-Illuminated Twist Release
Plastic Mushroom Head



Illuminated Twist Release
Plastic Mushroom Head



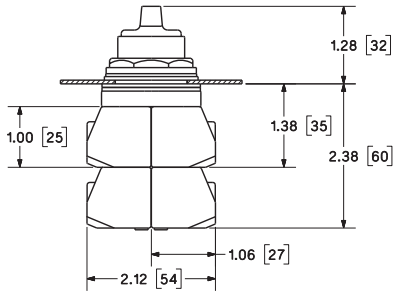
Illuminated Pushbutton Flush Lens
Illuminated Pushbutton Extended Lens
Illuminated Push to Test



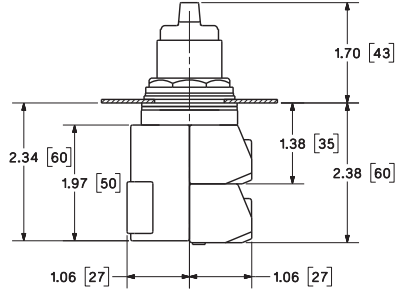
30mm Water, Oil Tight & Corrosion Resistant – Class 52

Dimensional drawings

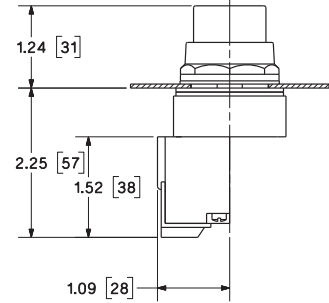
Selector Switch
Non-Illuminated



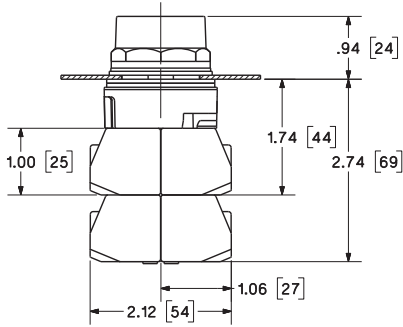
Selector Switch
Illuminated



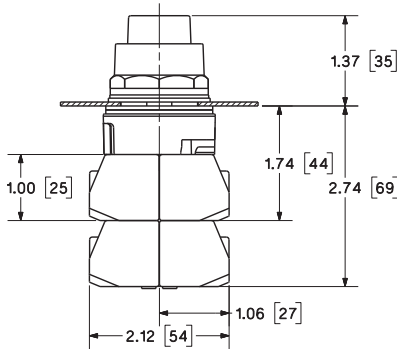
Indicator Light
Plastic Lens



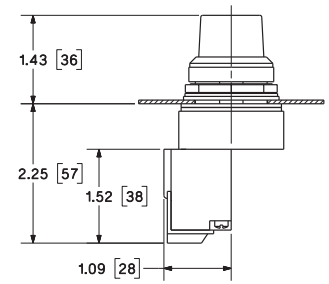
Momentary Pushbutton
Non-Illuminated Flush Cap



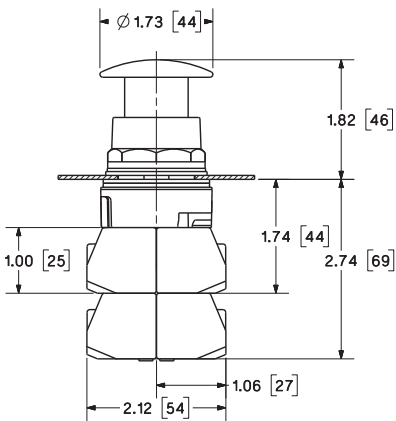
Momentary Pushbutton
Non-Illuminated Raised Cap



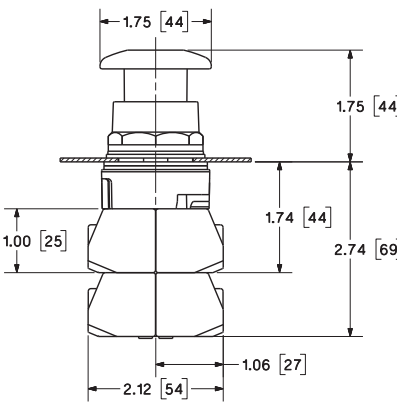
Indicator Light
Glass Lens



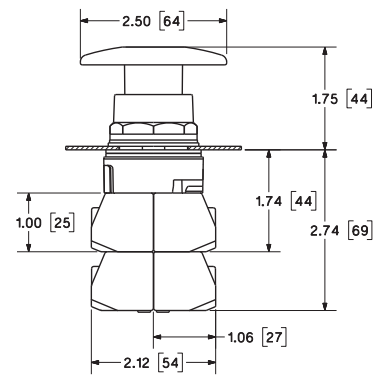
Momentary Pushbutton
Metal Mushroom Head



Momentary Pushbutton
Small Plastic Mushroom Head

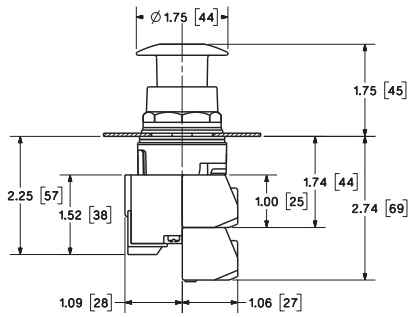


Momentary Pushbutton
Large Plastic Mushroom Head

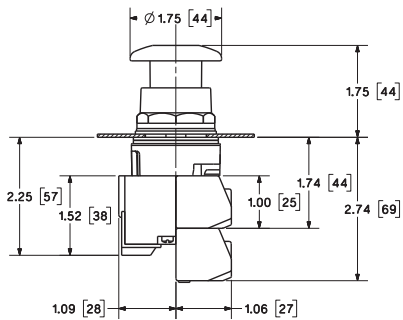


Dimensional drawings

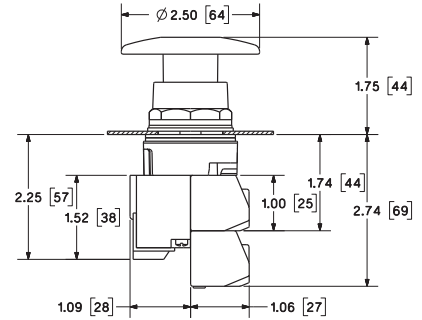
Illuminated Momentary Pushbutton
Metal Mushroom Head



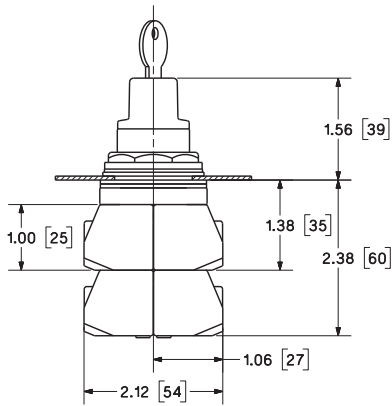
Illuminated Momentary Pushbutton
Small Plastic Mushroom Head



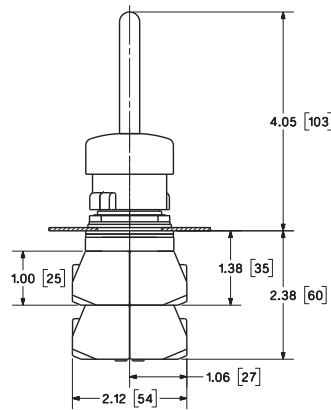
Illuminated Momentary Pushbutton
Large Plastic Mushroom Head



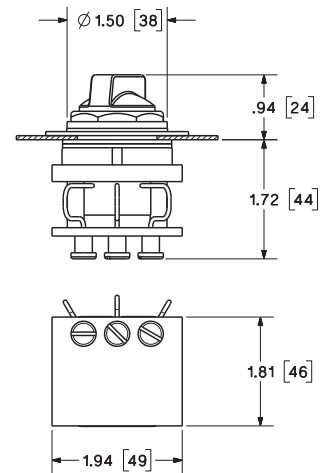
Selector Switch
Keyed



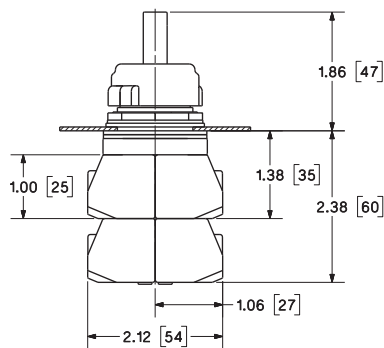
Wobble Switch



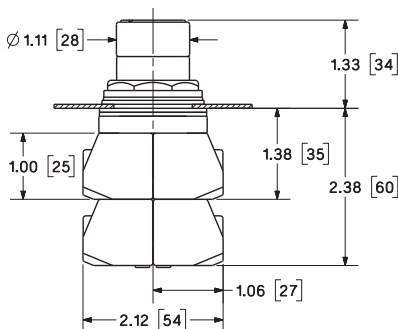
Potentiometer Switch



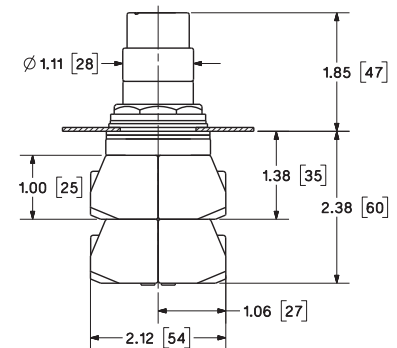
Toggle Switch



Selector Pushbutton Switch
Flush Cap

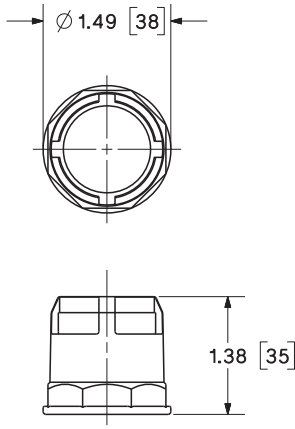


Selector Pushbutton Switch
Raised Cap

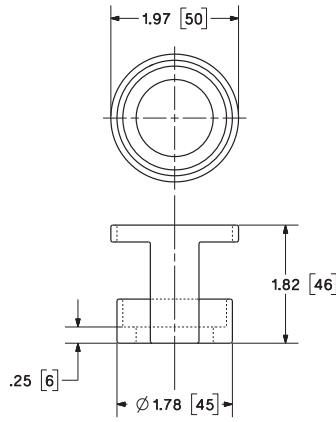


Dimensional drawings

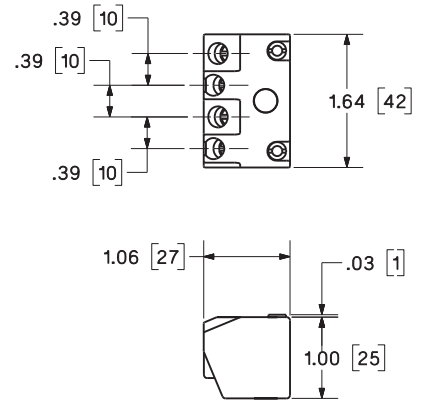
Momentary Pushbutton Guard
Illuminated Push to Test Guard



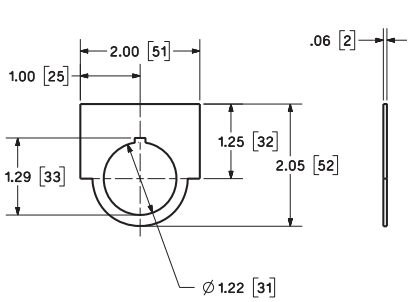
Mushroom Head Guard



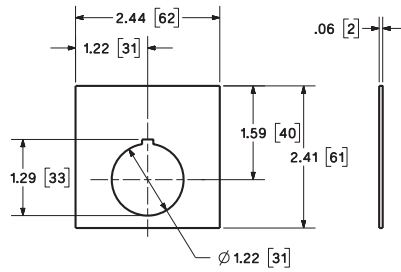
Contact Block



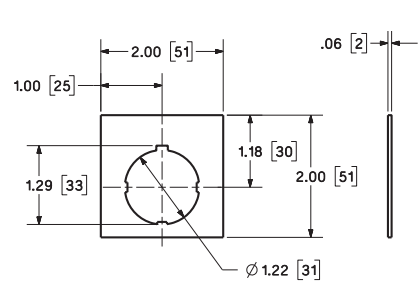
Large Metal Legend Plate



Automotive Metal Legend Plate



Large Plastic Legend Plate





30mm Water, Oil Tight & Corrosion Resistant – Class 52

Break Glass and Emergency Power Off Pushbutton (EPO) Stations **NEW**

Break Glass and Emergency Power Off Pushbutton (EPO) Stations **NEW**

Selection and ordering data

Description	Degree of protection	Conduit Entry 3/4" NPT	No. of command points	Contact ^①	Legend Plate	Order no.
Class 52 Oiltight Pushbutton Stations^③						
Break Glass Pushbutton Station 	NEMA 4X	Side	1	1NO-1NC	"EMERGENCY SHUT-OFF"	52G112FB
					"EMERGENCY OFF"	52G113FB
					"EMERGENCY POWER OFF"	52G114FB
		Rear ^②			"EMERGENCY GENERATOR STOP"	52G115FB
					"EMERGENCY SHUT-OFF"	52G112FR
					"EMERGENCY OFF"	52G113FR
					"EMERGENCY POWER OFF"	52G114FR
					"EMERGENCY GENERATOR STOP"	52G115FR
					"EMERGENCY SHUT-OFF"	52G112FD
	Side and Rear ^②	"EMERGENCY OFF"	52G113FD			
		"EMERGENCY POWER OFF"	52G114FD			
		"EMERGENCY GENERATOR STOP"	52G115FD			
	NEMA 12/13	N/A	1	1NO-1NC	"EMERGENCY SHUT-OFF"	52G112S
"EMERGENCY OFF"					52G113S	
"EMERGENCY POWER OFF"					52G114S	
"EMERGENCY GENERATOR STOP"					52G115S	
Emergency Power Off EPO Pushbutton Station 	NEMA 4X	Side	1	1NO-1NC	"EMERGENCY POWER OFF"	52C114EB
	NEMA 12/13	N/A	1	1NO-1NC	"EMERGENCY POWER OFF"	52C114A
Accessories						
Break Glass Pushbutton with 1NO-1NC, 4 Extra Glass Lens Inserts						52PM8AGA
Break Glass Pushbutton with 1NO-1NC, 4 Extra Glass Lens Inserts, Mallet, Chain, Clip, Mounting Screw ^④						52PM8AGAH
Replacement Glass Lens Insert Kit (5 piece pack)						52RC1AG
Break Glass Legend Plates ^⑤					"EMERGENCY SHUT-OFF"	52NL112R
					"EMERGENCY OFF"	52NL113R
					"EMERGENCY POWER OFF"	52NL114R
					"EMERGENCY GENERATOR STOP"	52NL115R
EPO Legend Plate ^⑤					"EMERGENCY POWER OFF"	52NF214R
Enclosure, NEMA 4X Aluminum with ANSI 61 Gray finish comes with one 3/4" - 14 NPT conduit entry in side of enclosure, and one Empty Command Point for fitting 30mm Round Devices.						P30EMS01EB



① Pushbutton Station comes with 1) 52BJK, 1NO-1NC contact rated NEMA A600/P600. One additional Class 52 contact block may be field installed if required.
 ② Versions with Conduit Entry from the Rear available February 2020.
 ③ All Glass Break Pushbutton Stations come with 4 Extra Glass Lens Inserts.

④ Sealant is not supplied with 52PM8AGAH kits. Note: Teflon Tape or Pipe Dope is required on the Mallet Mounting Clip Screw when field installed in a NEMA 4X Enclosure.
 ⑤ For a more comprehensive list of our most common legend plates, see page 10/238 of the Siemens IC Catalog.

30mm Water, Oil Tight & Corrosion Resistant - Class 52


Class 52 oiltight pushbutton stations

Selection and ordering data

	Actuator identification C = top device in station B = middle device in station A = bottom device in station	Degree of protection ^①	Contact / voltage	No. of command points	Order no.	Pack Unit
 <p>1 unit control station</p>	A = Momentary flush pushbutton black, label "START"	NEMA 12	1NO - 1NC	1	52C101A	
	A = Momentary raised pushbutton red, label "STOP"	NEMA 12	1NO - 1NC	1	52C103A	
	A = Momentary mushroom head red, label "STOP"	NEMA 12	1NO - 1NC	1	52C104A	
	A = Maintained metal mushroom head red, label "EMERGENCY STOP"	NEMA 12	1NO - 1NC	1	52C117A	
	A = 2 position selector switch "OFF-ON"	NEMA 12	1NO - 1NC	1	52C159A	
	A = 3 position selector switch "HAND-OFF-AUTO"	NEMA 12	1NO - 1NC	1	52C156A	
	A = Indicator light, red	NEMA 12	120V Transformer type	1	52C131A	
	A = Indicator light, green	NEMA 12	120V Transformer type	1	52C135A	
	A = Momentary flush pushbutton black, label "START"	NEMA 4X Stainless Steel	1NO - 1NC	1	52C101S	
	A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Stainless Steel	1NO - 1NC	1	52C103S	
	A = Momentary mushroom head red, label "STOP"	NEMA 4X Stainless Steel	1NO - 1NC	1	52C104S	
	A = Maintained plastic mushroom head red, label "EMERGENCY STOP"	NEMA 4X Stainless Steel	1NO - 1NC	1	52C116S	
	A = 2 position selector switch "OFF-ON"	NEMA 4X Stainless Steel	1NO - 1NC	1	52C159S	
	A = 3 position selector switch "HAND-OFF-AUTO"	NEMA 4X Stainless Steel	1NO - 1NC	1	52C156S	
	A = Momentary flush pushbutton black, label "START"	NEMA 4X Fiberglass	1NO - 1NC	1	52C101X	
	A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Fiberglass	1NO - 1NC	1	52C103X	
	A = Momentary mushroom head red, label "STOP"	NEMA 4X Fiberglass	1NO - 1NC	1	52C104X	
	A = Maintained plastic mushroom head red, label "EMERGENCY STOP"	NEMA 4X Fiberglass	1NO - 1NC	1	52C116X	
	A = 2 position selector switch "OFF-ON"	NEMA 4X Fiberglass	1NO - 1NC	1	52C159X	
	A = 3 position selector switch "HAND-OFF-AUTO"	NEMA 4X Fiberglass	1NO - 1NC	1	52C156X	
 <p>2 unit control station</p>	B = Momentary flush pushbutton black, label "START"	NEMA 12	1NO, 1NC	2	52C201A	
	A = Momentary raised pushbutton red, label "STOP"		1NO, 1NC			
	B = Momentary flush pushbutton black, label "START"	NEMA 12	1NO, 1NC	2	52C202A	
	A = Momentary Mushroom head pushbutton red, label "STOP"		1NO, 1NC			
	B = Momentary flush pushbutton, label "FORWARD"	NEMA 12	1NO, 1NC	2	52C204A	
	A = Momentary flush pushbutton, label "REVERSE"		1NO, 1NC			
	B = Momentary flush pushbutton, label "UP"	NEMA 12	1NO, 1NC	2	52C223A	
	A = Momentary flush pushbutton, label "DOWN"		1NO, 1NC			
	B = Indicator light, red, label "RUN"	NEMA 12	120V Transformer type	2	52C224A	
	A = Maintained selector switch, label "HAND-OFF-AUTO"					
	B = Indicator light, red	NEMA 12	120V Transformer type	2	52C230A	
	A = Indicator light, green					
	B = Momentary flush pushbutton black, label "START"	NEMA 4X Stainless Steel	1NO, 1NC	2	52C201S	
	A = Momentary raised pushbutton red, label "STOP"		1NO, 1NC			
	B = Momentary flush pushbutton black, label "START"	NEMA 4X Stainless Steel	1NO, 1NC	2	52C202S	
	A = Momentary Mushroom head pushbutton red, label "STOP"		1NO, 1NC			
	B = Momentary flush pushbutton, label "UP"	NEMA 4X Stainless Steel	1NO, 1NC	2	52C223S	
	A = Momentary flush pushbutton, label "DOWN"		1NO, 1NC			
	B = Indicator light, red, label "RUN"	NEMA 4X Stainless Steel	120V Transformer type	2	52C224S	
	A = Maintained selector switch, label "HAND-OFF-AUTO"		1NO, 1NC			
B = Momentary flush pushbutton black, label "START"	NEMA 4X Fiberglass	1NO, 1NC	2	52C201X		
A = Momentary raised pushbutton red, label "STOP"		1NO, 1NC				
B = Momentary flush pushbutton black, label "START"	NEMA 4X Fiberglass	1NO, 1NC	2	52C202X		
A = Momentary Mushroom head pushbutton red, label "STOP"		1NO, 1NC				
B = Momentary flush pushbutton, label "UP"	NEMA 4X Fiberglass	1NO, 1NC	2	52C223X		
A = Momentary flush pushbutton, label "DOWN"		1NO, 1NC				
B = Indicator light, red, label "RUN"	NEMA 4X Fiberglass	120V Transformer type	2	52C224X		
A = Maintained selector switch, label "HAND-OFF-AUTO"		1NO, 1NC				

① NEMA 4X Stainless Steel Enclosure is 304 SS.

Selection and ordering data

Actuator identification	Degree of protection ^①	Contact / voltage	No. of command points	Order no.	Pack	
3 unit control station 	C = Indicator light, red	NEMA 12	120V 1NO, 1NC	3	52C307A	Unit
	B = Momentary flush pushbutton black, label "START" A = Momentary raised pushbutton red, label "STOP"		1NO, 1NC 1NO, 1NC			
	C = Momentary flush pushbutton black, label "FORWARD" B = Momentary flush pushbutton black, label "REVERSE" A = Momentary raised pushbutton red, label "STOP"	NEMA 12	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C301A	
C = Momentary flush pushbutton black, label "UP" B = Momentary flush pushbutton black, label "DOWN" A = Momentary raised pushbutton red, label "STOP"	NEMA 12	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C332A		
C = Momentary flush pushbutton black, label "OPEN" B = Momentary flush pushbutton black, label "CLOSE" A = Momentary raised pushbutton red, label "STOP"	NEMA 12	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C333A		
C = Momentary flush pushbutton black, label "HI" B = Momentary flush pushbutton, black label "LOW" A = Momentary raised pushbutton red, label "STOP"	NEMA 12	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C334A		
C = Indicator light, red	NEMA 4X Stainless Steel	120V 1NO, 1NC	3	52C307S		
B = Momentary flush pushbutton black, label "START" A = Momentary raised pushbutton red, label "STOP"		1NO, 1NC 1NO, 1NC				
C = Momentary flush pushbutton black, label "FORWARD" B = Momentary flush pushbutton black, label "REVERSE" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C301S		
C = Momentary flush pushbutton black, label "UP" B = Momentary flush pushbutton black, label "DOWN" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C332S		
C = Momentary flush pushbutton black, label "OPEN" B = Momentary flush pushbutton black, label "CLOSE" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C333S		
C = Momentary flush pushbutton black, label "HI" B = Momentary flush pushbutton, black label "LOW" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C334S		
C = Indicator light, red	NEMA 4X Fiberglass	120V 1NO, 1NC	3	52C307X		
B = Momentary flush pushbutton black, label "START" A = Momentary raised pushbutton red, label "STOP"		1NO, 1NC 1NO, 1NC				
C = Momentary flush pushbutton black, label "FORWARD" B = Momentary flush pushbutton black, label "REVERSE" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C301X		
C = Momentary flush pushbutton black, label "UP" B = Momentary flush pushbutton black, label "DOWN" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C332X		
C = Momentary flush pushbutton black, label "OPEN" B = Momentary flush pushbutton black, label "CLOSE" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C333X		
C = Momentary flush pushbutton black, label "HI" B = Momentary flush pushbutton, black label "LOW" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C334X		

① NEMA 4X Stainless Steel Enclosure is 304 SS.

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Legend plates for Class 51 and 52

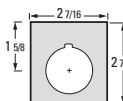
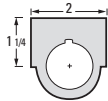
Design

The 30 mm legend plates are approved for the use with both Class 51 and Class 52 devices. Automotive legend plates require 2 1/2" mounting centers. Plastic legend plates will have white letters engraved.

When ordering custom engraved legend plates, specify the required inscription text.

Selection and ordering data

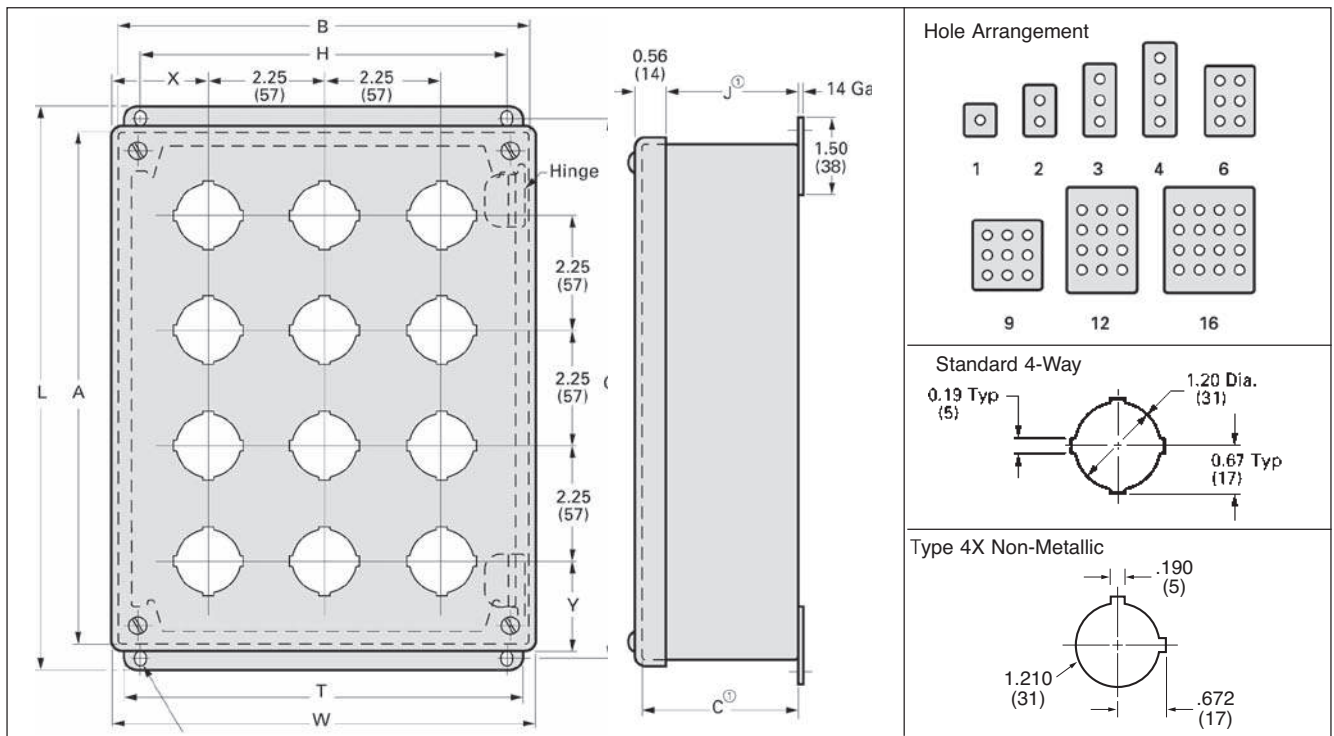
Inscription	Large (1 1/4" x 2")	Automotive ^① (2 7/16" x 2 7/16")	Large Plastic ^② (2 1/16" x 2")	Automotive Plastic ^② (2 7/16" x 2 7/16")
	Order No.	Order No.	Order No.	Order No.
"Blank (brushed aluminum)"	52NL02	52NA02	—	—
"Blank (red)"	52NL02R	52NA02R	52ND02R	52NE02R
"Blank (Black)"	52NL02B	52NA02B	52ND02B	52NE02B
Inscribed legend plates with large brushed aluminum background				
Close	52NL18	52NA18	—	—
Down	52NL10	52NA10	—	—
Emerg Stop	52NL16	52NA16	—	—
Emerg Stop (red)	52NL16R	52NA16R	—	—
Fast-Slow	52NL33	52NA33	—	—
Forward	52NL05	52NA05	—	—
For-Off-Rev	52NL38	52NA38	—	—
For-Rev	52NL31	52NA31	—	—
Hand-Off-Auto	52NL37	52NA37	—	—
High	52NL07	52NA07	—	—
High-Low	52NL30	52NA30	—	—
High-Off-Low	52NL44	52NA44	—	—
In	52NL21	52NA21	—	—
Jog	52NL13	52NA13	—	—
Jog-Forward	52NL24	52NA24	—	—
Jog-Reverse	52NL25	52NA25	—	—
Low	52NL08	52NA08	—	—
Lower	52NL20	52NA20	—	—
Man-Auto	52NL35	52NA35	—	—
Off	52NL12	52NA12	—	—
Off-On	52NL26	52NA26	—	—
On	52NL11	52NA11	—	—
On-Off-Auto	52NL40	52NA40	—	—
Open	52NL17	52NA17	—	—
Open-Close	52NL34	52NA34	—	—
Open-Off-Close	52NL41	52NA41	—	—
Out	52NL22	52NA22	—	—
Pull to Start Push to Stop	52NL47	52NA47	—	—
Raise	52NL19	52NA19	—	—
Raise-Lower	52NL36	52NA36	—	—
Reset	52NL14	52NA14	—	—
Reverse	52NL06	52NA06	—	—
Run	52NL23	52NA23	—	—
Run-Jog	52NL29	52NA29	—	—
Safe-Run	52NL27	52NA27	—	—
Slow-Off-Fast	52NL39	52NA39	—	—
Start	52NL03	52NA03	—	—
Start-Jog	52NL28	52NA28	—	—
Start-Stop	52NL32	52NA32	—	—
Stop	52NL04	52NA04	—	—
Stop (red)	52NL04R	52NA04R	—	—
Up	52NL09	52NA09	—	—
Up-Down	52NL49	52NA49	—	—
Up-Off-Down	52NL42	52NA42	—	—
Inscription plates with custom engraving				
"Custom engraved (brushed aluminum)"	52NL02E	52NA02E	—	—
"Custom engraved (red)"	52NL02RE	52NA02RE	52ND02RE	52NE02RE
"Custom engraved (Black)"	52NL02BE	52NA02BE	52ND02BE	52NE02BE
Max. number of rows	2	2	2	2
Letter height	5/32"	1/4"	5/32"	1/4"
Characters per row	14	16	14	16



① Automotive requires 2 1/2" mounting centers
 ② White letters on plastic nameplate.

30mm Heavy Duty, Watertight/Oiltight, Class 52

Dimensional drawings



Type 12/13 and 4X Stainless Steel

Units	Enclosure Size			Mounting		Overall					
	A	B	C	G	H	L	W	J	T	X	Y
1	3.50 (89)	3.25 (83)	2.75 (70)	4.00 (102)	2.38 (60)	4.50 (114)	3.47 (88)	2.31 (59)	3.00 (76)	1.73 (44)	1.86 (47)
2	5.75 (146)	3.25 (83)	2.75 (70)	6.25 (159)	2.38 (60)	6.75 (171)	3.47 (88)	2.31 (59)	3.00 (76)	1.73 (44)	1.86 (47)
3	8.00 (203)	3.25 (83)	2.75 (70)	8.50 (216)	2.38 (60)	9.00 (229)	3.47 (88)	2.31 (59)	3.00 (76)	1.73 (44)	1.86 (47)
4	10.25 (260)	3.25 (83)	2.75 (70)	10.75 (273)	2.38 (60)	11.25 (286)	3.47 (88)	2.31 (59)	3.00 (76)	1.73 (44)	1.86 (47)
6	9.50 (241)	6.25 (159)	3.00 (76)	10.00 (254)	5.38 (137)	10.50 (267)	6.47 (164)	2.56 (65)	6.00 (152)	2.11 (54)	2.61 (66)
9	9.50 (241)	8.50 (216)	3.00 (76)	10.00 (254)	7.62 (194)	10.50 (267)	8.72 (221)	2.56 (65)	8.25 (210)	2.11 (54)	2.61 (66)
12	11.75 (298)	8.50 (216)	3.00 (76)	12.25 (311)	7.62 (194)	12.75 (324)	8.72 (221)	2.56 (65)	8.25 (210)	2.11 (54)	2.61 (66)
16 ²⁾	11.75 (298)	10.75 (273)	3.00 (76)	12.25 (311)	9.88 (251)	12.75 (324)	10.97 (279)	2.56 (65) ²⁾	10.50 (267)	2.11 (54)	2.61 (66)

Type 12/13 Extra Deep Enclosures

Units	Enclosure Size			Mounting		Overall					
	A	B	C	G	H	L	W	J	T	X	Y
1	4.00	4.00	4.75	4.50	3.12	5.00	4.22	4.31	3.75	2.11	2.11
2	6.00	4.00	4.75	6.50	3.12	7.00	4.22	4.31	3.75	2.11	1.98
3	8.00	4.00	4.75	8.50	3.12	9.00	4.22	4.31	3.75	2.11	1.86
4	10.00	4.00	4.75	10.50	3.12	11.00	4.22	4.31	3.75	2.11	1.73
6	9.50	6.25	4.75	10.00	5.38	10.50	6.47	4.31	6.00	2.11	2.61
9	9.50	8.50	4.75	10.00	7.62	10.50	8.72	4.31	8.25	2.11	2.61
12	11.75	8.50	4.75	12.25	7.62	12.75	8.72	4.31	8.25	2.11	2.61
16 ²⁾	11.75	10.75	4.75	12.25	9.88	12.75	10.97	4.31	10.50	2.11	2.61

Type 4X Non-Metallic

Units	Enclosure Size		Mounting		Overall		
	A	B	C	G	H	L	W
1	6.00	3.19	3.63	4.88	2.94	6.63	3.81
2	6.00	3.19	3.63	4.88	2.94	6.63	3.81
3	8.26	3.19	3.63	7.13	2.94	8.88	3.81
4	10.51	3.19	3.63	9.37	2.94	11.13	3.81

All dimensions shown in inches and (millimeters). For reference purposes only. Not to be used for design or construction purposes.

- 1) Grounding stud in body of enclosure.
- 2) For stainless steel add 1.75 (45) to depth.

30 mm Pilot Devices


Technical Specifications

Standards	UL Listed File # E22655	CSA Certified File # LR6535
Utilization	Category NEMA	A600/P600
Degree of Protection	52B, 52P-, 52S-, 52M- Operators	NEMA: 1, 3, 3R, 4, 4X, 12 and 13 IEC 529; IP10, IP11, IP14, IP52, IP54, IP56 and IP66

Rated Operational Current

NEMA A600 – 10 Continuous Amps			NEMA P600 – Rating Codes for DC Control Circuit Application	
Voltage AC	Make Amps	Break Amps	Thermal Continuous Test Current Amps	
120V	60	6	Maximum Make or Break; Current / Amps	5.0
240V	30	3	125V	1.10
480V	15	1.5	250V	0.55
600V	12	1.2	301-600V	0.20
Total VA	7200	720	Maximum Make or Break Volt amperes at 300V or Less	138

Contact Blocks	52BAK, -BAJ [Ⓞ] , -BAH, -BAU, -BJK [Ⓞ] 52BAR	600VAC Maximum, Heavy Duty 200VAC .25 Amp, 10 Watt Maximum 200VDC .50 Amp, 10 Watt Maximum
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[Ⓞ]  Positively driven contacts. Contact blocks are suitable for applications down to 5V/1MA low voltage applications as found in PLCs. 52BAR are Class 1; Division 2 Compliant

Pilot Light	Full Voltage LED Module Transformer Type	52PL4/52PL5 or 52BL4/52BL5	-B (6-8V), -C (12V), -D (24V), -E (120V), -F (240V) -L (24V), -M (120V) -N (240V) -G (120V), -H (240V), -J (480V), -K (600V)	240V AC/DC Max. 240V AC Max. 600V AC Max., 50/60 Hz
Push-to-Test	Full Voltage LED Module Transformer Type	52PT6 or 52BT6	-B (6-8V), -C (12V), -D (24V), -E (120V), -F (240V) -L (24V), -M (120V), -N (240V) -G (120V), -H (240V), -J (480V), -K (600V)	240V AC/DC Max. 240V AC Max. 600VAC Max., 50/60 Hz
Illuminated Push-Pull	Full Voltage LED Module Transformer	52PP2(3,7) or 52BP2(3,7)	-B (6-8V), -C (12V), -D (24V), -E (120V), -F (240V) -L (24V), -M (120V), -N (240V) -G (120V), -H (240V), -J (480V), -K (600V)	240V AC/DC Max. 240V AC Max. 600VAC Max., 50/60 Hz
Twist-to-Release	Full Voltage LED Module Transformer	52BR8 or 52PR8	-B (6-8V), -C (12V), -D (24V), -E (120V), -F (240V) -L (24V), -M (120V), -N (240V) -G (120V), -H (240V), -J (480V), -K (600V)	240V AC/DC Max. 240V AC Max. 600VAC Max., 50/60 Hz
Illuminated Selector Switch	Full Voltage Transformer	52SA7(A,B,C) or 52SX7(A,B,C)	-B (6-8V), -C (12V), -D (24V), -E (120V), -F (240V) -G (120V), -H (240V), -J (480V), -K (600V)	240V AC/DC Max. 600V AC Max., 50/60 Hz

Dielectric Strength 2200V for one minute

Mechanical Design Life Cycles

Vibration	Frequency 5 - 60Hz.; Disp. .030 inches, sweep 5 minutes for a duration of 30 minutes on each axis. Not to exceed 5.5 G's for maximum of 1 minute.	
Pushbuttons	Momentary, Non-illuminated	5,000,000 Operating Cycles
	Momentary, Illuminated	300,000 Operating Cycles
Push-Pull	Maintained	300,000 Operating Cycles
	Momentary	2,000,000 Operating Cycles
Twist-to-Release		300,000 Operating Cycles
Selector Switches	Non-illuminated	2,000,000 Operating Cycles
	Illuminated, Key-operated	2,000,000 Operating Cycles
Contact Operation	Standard Contact Black Logic Reed	
Wire Gauge	#18-12 AWG	
Terminal Screw Torque	2-10 lb-in / 20 lb-in max; 8 lb-in recommended	
Locknut Torque	15 ft. lbs. max	
Temperature Range	Operating	31F to +158F (-35C to +70C)
	Storage	40F to +185F (-40C to +85C)

All parts are designed and manufactured of corrosion resistant material or are plated or painted as corrosion protection. All contact block contacts are gold flashed as a standard offering. Internal return spring mechanisms of operators and contact blocks of stainless steel. RoHS Compliant.

Declaration of Conformity — The products listed below, to which this declaration relates, are in conformity with the following standards, following the provisions of the Low Voltage Directive (LVD) (73/23/EEC), and the Electromagnetic Compatibility Directive (89/336/EEC.)

Products: Contact Blocks: Cat Nos. 52BAE, 52BAH, 52BAJ, 52BAK, 52BAR, 52BAU and 52BJK, with suffixes. Pilot Lights: Cat Nos 52P, with suffixes. Operators: Cat Nos 52S or 52P, with suffixes.

Applicable Standards: EN 60947-5-1 Low-Voltage Switchgear and controlgear. Enclosed devices meet the requirements of environmental ratings of IP10, IP11, IP14, IP52, IP54, and IP56. Open devices, when mounted as instructed, in environmental type IP10, IP11, IP14, IP52, IP54 or IP56 enclosures, maintain the environmental requirements for those enclosure types. Cat. No. 52BP, 52BR, 52PP, and 52PR, 2 Position, Twist-To-Release and 2 Position, Push Pull Maintained operators provided with red operating heads and 52BJK contact blocks meet the requirements of EN 60947-5-5 for Electrical Emergency Stop Device With Mechanical Latching Function (e-stop).