

Commanding and Signaling Devices



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Technical Information

- can be found at
www.siemens.com/industrial-controls/support
- under Product List
- Technical Specifications
- under Entry List
- Updates
- Downloads
- FAQ
- Manuals
- Characteristic curves
- Certificates
- and at
www.siemens.com/industrial-controls/configurators
- Configurators

- 1) See Catalog IK PI "Industrial Communication".

Note:
For safety characteristics for commanding and signaling devices see "Appendix" → "Standards and approvals" → "Overview".

Commanding and Signaling Devices

Introduction

Overview



3SB2

3SB30, 3SB32

3SB31, 3SB33

3SB35, 3SB36

Pushbuttons and indicator lights

	3SB2	3SB30, 3SB32	3SB31, 3SB33	3SB35, 3SB36
Designs				
Nominal diameter	16 mm	22 mm	26 mm × 26 mm	22 mm
Version	Plastic, round	Plastic, round	Plastic, square	Metal, round
Actuators				
Pushbuttons and switches	✓ ¹⁾	✓	✓	✓
Illuminated pushbuttons and switches	✓ ¹⁾	✓	✓	✓
Mushroom pushbuttons	--	✓	--	✓
Push-pull buttons	--	✓	--	✓
EMERGENCY-STOP mushroom pushbuttons	✓	✓	✓	✓
Selector switches	✓	✓	✓	✓
Key-operated switches	✓	✓	✓	✓
Special actuators				
Coordinate switches	--	✓	--	--
Twin pushbuttons	--	✓	--	--
Potentiometer drives	--	✓	--	--
Indicators				
Indicator lights	✓	✓	✓	✓
Acoustic signaling devices	--	✓	--	--
Contact blocks				
Single-pole	✓	✓	✓	✓
Two-pole	✓	✓	✓	✓
Lampholders				
Wedge bases	✓	✓ (with solder connections)	✓ (with solder connections)	✓ (with solder connections)
BA 9s bases	--	✓	✓	✓
With integrated LED	--	✓	✓	✓
Terminals				
Plug-in connection	✓	--	--	--
Screw terminals	--	✓	✓	✓
Spring-type terminals	--	✓	✓	✓
Solder pins	✓	✓	✓	✓
AS-Interface	--	✓	✓	✓

AS-Interface solutions

Commanding and signaling devices of the SIRIUS 3SB3 series can be connected to the AS-Interface communication system quickly and easily with the help of various solutions.

For AS-Interface solutions, see [Catalog IK PI "Industrial Communication"](#).

AS-Interface EMERGENCY-STOP according to ISO 13850

Using a special F adapter, EMERGENCY-STOP devices according to ISO 13850 (former EN 418) can be directly connected through the standard AS-Interface with safety-oriented communication (see [page 9/64](#)).

AS-Interface enclosures

Enclosures with standard fittings are listed in this catalog. For customized enclosures, use the 3SB configurator to select the elements for equipping (see [page 9/93](#)).

- ✓ Standard
- Not available
- Optional

¹⁾ Only pushbuttons, no pushbutton switches.

AS-Interface front panel modules

The front panel module has one 4I/4O slave for connection of four 3SB3 commanding or signaling devices (see [Catalog IK PI](#)).

Note:
For safety characteristics see "Appendix"
→ "Standards and approvals" → "Overview"



	3SB38	3SB38 6	3SE7, 3SF2	3SE29
	Enclosures	Two-hand oper. consoles	Cable-operated switches	Foot switches
Enclosures				
Plastic	✓	✓	--	✓
Metal	✓	✓	✓	✓
Actuators				
Pushbuttons and switches	✓	✓	✓	✓
Illuminated pushb. and switches	✓	✓	--	--
Mushroom pushbuttons	✓	✓	--	--
Push-pull buttons	✓	☐	--	--
EMERG.-STOP mushroom pushb.	✓	✓	✓	--
Selector switches	✓	☐	--	--
Key-operated switches	✓	☐	--	--
Bowden wires	--	--	✓	--
Indicators				
Indicator lights	✓	☐	✓	--
Acoustic signaling devices	✓	☐	--	--
Contact blocks				
Single-pole	✓	✓	--	--
Two-pole	--	✓	✓	✓
Three-pole	--	--	--	✓
Four-pole	--	--	✓	✓
Terminals				
Screw terminals	✓	✓	✓	✓
Spring-type terminals	✓	☐	--	--
Molded cables	--	--	--	✓
Plug-in connection	☐	☐	☐	☐
AS-Interface	✓	☐	✓	--



	8WD42, 8WD44	8WD53
	Signaling columns	Integrated signal lamps
Enclosures		
Plastic	✓	✓
Metal	--	--
Illumination		
Incandescent lamps	✓	✓
LEDs	✓	✓
Flashlights	✓	✓
Terminals		
Screw terminals	✓	✓
Spring-type terminals	✓	--
AS-Interface	✓	--

3SB2 Pushbuttons and Indicator Lights, 16 mm

General data

Overview

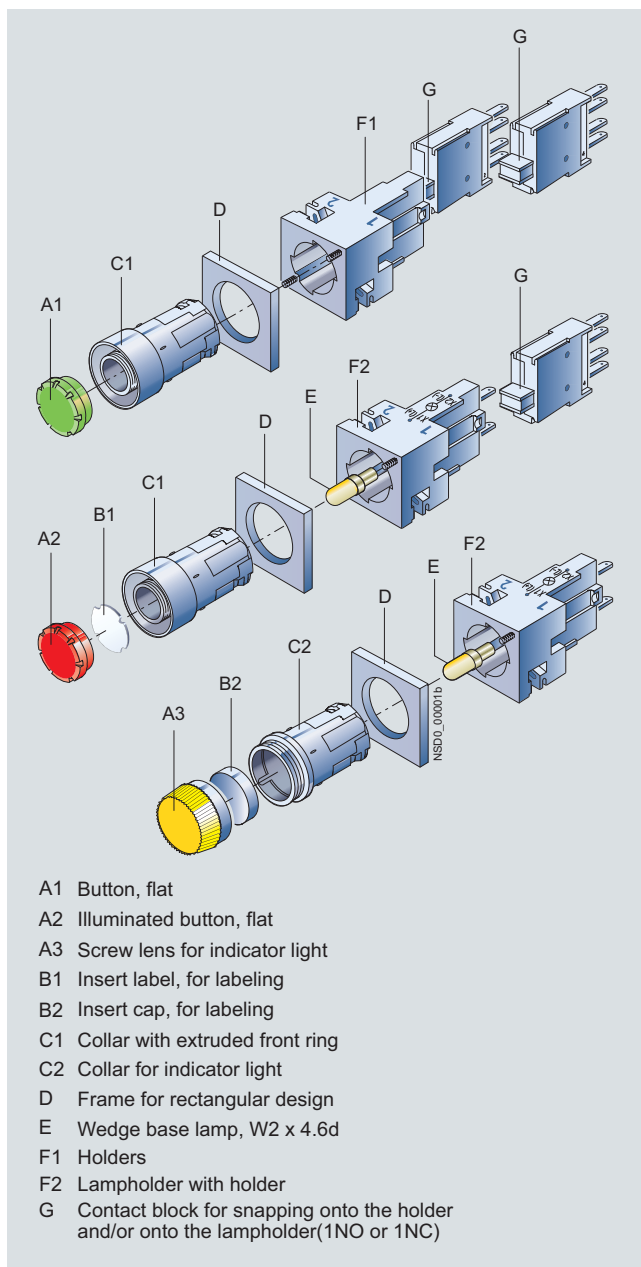
The 3SB2 pushbuttons and indicator lights are provided for front plate mounting and rear connection with flat connectors. For use on printed circuit boards, contact blocks and lampholders with solder pins are also available.

Standards

IEC 60947-5-1, EN 60947-5-1 (VDE 0660 Part 200),

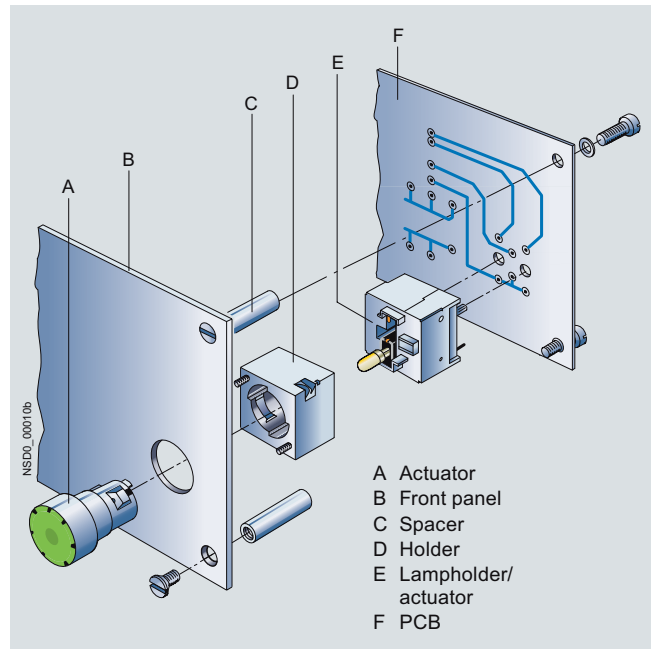
IEC 60947-5-5, EN 60947-5-5 (VDE 0660 Part 210) for EMERGENCY-STOP mushroom pushbuttons.

Version with flat connector



For PCB mounting

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



Flat connectors



Solder pin connections

The terminals are indicated in the selection and ordering data by orange backgrounds.

Application

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

Safety EMERGENCY-STOP pushbuttons acc. to ISO 13850

For controls according to IEC 60204-1 or EN 60204-1 (VDE 0113 Part 1), the mushroom pushbuttons of the 3SB2 series are suitable for use as safety EMERGENCY-STOP pushbuttons.

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 pushbuttons 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 Pushbuttons and Indicator Lights, 16 mm

General data

More information



Type	3SB2	
Contact blocks and lampholders		
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 free-air thermal current I_{th}	A	10
Rated operational current I_o at rated operational voltage U_o		
• Alternating current AC-12 - At $U_o = 24 \dots 230$ V	A	10
• Alternating current AC-15 - At $U_o = 24 \dots 230$ V	A	4
• Direct current DC-12 - At $U_o = 24$ V	A	6
- At $U_o = 60$ V	A	5
- At $U_o = 110$ V	A	2.5
- At $U_o = 230$ V	A	1
• Direct current DC-13 - At $U_o = 24$ V	A	3
- At $U_o = 60$ V	A	1.5
- At $U_o = 110$ V	A	0.7
- At $U_o = 230$ V	A	0.3
Contact stability		
• Test voltage/test current	5 V/1 mA	
Lamps		
• Bases	Wedge bases W2 × 4.6d	
• Rated voltage	V	6, 12, 24, 30, 48, 60
• Rated power, max.	W	1
Short-circuit protection weld-free acc. to IEC 60947-5-1		
• DIAZED fuse links, utilization category gL/gG	10 A TDz, 16 A Dz	
• Miniature circuit breaker with C characteristic acc. 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 lampholders behind the front panel	IP00	
• Contact chambers of the contact blocks behind the front panel	IP40	
Finger-safe acc. to EN 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		
• Pushbutton	10 × 10 ⁶ operating cycles	
• Actuators, rotary or latching	3 × 10 ⁵ operating cycles	
• Illuminated pushbuttons	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.	
• For fitting into enclosures with total insulation	The protective measure "Total insulation" is retained.	
Shock resistance acc. to IEC 60068-2-27		
• Shock amplitude	ms	≤ 50 g
• Shock duration		11
• Shock form		Half-sine

For further technical information, see page 9/1.

3SB2 Pushbuttons and Indicator Lights, 16 mm

Complete units

Selection and ordering data









Version	Contact blocks	Color of handle	DT	Flat connectors	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.		
									Order No.	Price per PU
 <p>Pushbuttons with flat button</p>	Pushbuttons with flat button		1 NO	Black	▶	3SB22 02-0AB01	1	1 unit	102	0.023
	1 NC	Black	B	3SB22 03-0AB01	1	1 unit	102	0.023		
	1 NC	Red	▶	3SB22 03-0AC01	1	1 unit	102	0.023		
	1 NO	Yellow	B	3SB22 02-0AD01	1	1 unit	102	0.023		
	1 NO	Green	▶	3SB22 02-0AE01	1	1 unit	102	0.023		
	1 NO	Blue	B	3SB22 02-0AF01	1	1 unit	102	0.023		
	1 NO	White	▶	3SB22 02-0AG01	1	1 unit	102	0.023		
	1 NO	Clear ¹⁾	B	3SB22 02-0AH01	1	1 unit	102	0.023		
	Illuminated pushbuttons with flat button		1 NC	Red	▶	3SB22 07-0AC01	1	1 unit	102	0.025
	Lampholder W2 x 4.6 d ²⁾	1 NO	Yellow ¹⁾	B	3SB22 06-0AD01	1	1 unit	102	0.025	
	1 NO	Green	▶	3SB22 06-0AE01	1	1 unit	102	0.025		
	1 NO	Blue	B	3SB22 06-0AF01	1	1 unit	102	0.025		
	1 NO	Clear ¹⁾	▶	3SB22 06-0AH01	1	1 unit	102	0.025		
Illuminated pushbuttons with raised button		1 NC	Red	▶	3SB22 27-0AC01	1	1 unit	102	0.025	
Lampholder W2 x 4.6 d	1 NO	Yellow ¹⁾	B	3SB22 26-0AD01	1	1 unit	102	0.025		
with incandescent lamp 24 V	1 NO	Green	▶	3SB22 26-0AE01	1	1 unit	102	0.025		
	1 NO	Blue	B	3SB22 26-0AF01	1	1 unit	102	0.025		
	1 NO	Clear ¹⁾	▶	3SB22 26-0AH01	1	1 unit	102	0.025		
Pushbuttons with raised button		1 NO	Black	B	3SB22 02-0LB01	1	1 unit	102	0.024	
	1 NC	Red	B	3SB22 03-0LC01	1	1 unit	102	0.024		
	1 NO	Yellow	B	3SB22 02-0LD01	1	1 unit	102	0.024		
	1 NO	Blue	B	3SB22 02-0LF01	1	1 unit	102	0.024		
	1 NO	Clear ¹⁾	B	3SB22 02-0LH01	1	1 unit	102	0.024		
Illuminated pushbuttons with raised button		1 NC	Red	B	3SB22 07-0LC01	1	1 unit	102	0.025	
Lampholder W2 x 4.6 d ²⁾	1 NO	Yellow ¹⁾	B	3SB22 26-0LD01	1	1 unit	102	0.025		
	1 NO	Green	B	3SB22 06-0LE01	1	1 unit	102	0.025		
	1 NO	Blue	B	3SB22 06-0LF01	1	1 unit	102	0.025		
	1 NO	Clear ¹⁾	B	3SB22 06-0LH01	1	1 unit	102	0.025		
Illuminated pushbuttons with raised button		1 NC	Red	B	3SB22 27-0LC01	1	1 unit	102	0.026	
Lampholder W2 x 4.6 d	1 NO	Yellow ¹⁾	B	3SB22 26-0LD01	1	1 unit	102	0.026		
with incandescent lamp 24 V	1 NO	Green	B	3SB22 26-0LE01	1	1 unit	102	0.026		
	1 NO	Blue	B	3SB22 26-0LF01	1	1 unit	102	0.026		
	1 NO	Clear ¹⁾	B	3SB22 26-0LH01	1	1 unit	102	0.026		
EMERGENCY-STOP mushroom pushbuttons acc. to ISO 13850, latching³⁾		1 NC	→ ⁴⁾ Red	▶	3SB22 03-1AC01	1	1 unit	102	0.032	
 <p>Latches automatically when pressed; unlatches by turning the mushroom head anticlockwise, with yellow name plate, with inscription "NOT-HALT"</p>										

EMERGENCY-STOP mushroom pushbuttons

- 1) Inscription is possible by inserting a label.
- 2) For wedge base lamps, see Accessories.
- 3) The mushroom pushbutton 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 Pushbuttons and Indicator Lights, 16 mm

Complete units

Version	Contact blocks	Color of handle	DT	Flat connectors	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.		
									Order No.	Price per PU
 <p>Selector switches</p>	Selector switches, 2 switch positions Switching sequence O-I, 62° operating angle, latching	1 NO	Black	▶	3SB22 02-2AB01 3SB22 02-2AC01 3SB22 02-2AE01 3SB22 02-2AG01	1	1 unit	102	0.026	
		1 NO	Red	B		1	1 unit	102	0.026	
		1 NO	Green	B		1	1 unit	102	0.026	
		1 NO	White	B		1	1 unit	102	0.026	
	Selector switches, 3 switch positions Switching sequence I-O-II, 2 × 62° operating angle, latching	1 NO, 1 NO	Black	▶	3SB22 10-2DB01 3SB22 10-2DC01 3SB22 10-2DE01 3SB22 10-2DG01	1	1 unit	102	0.030	
		1 NO, 1 NO	Red	B		1	1 unit	102	0.030	
		1 NO, 1 NO	Green	B		1	1 unit	102	0.030	
		1 NO, 1 NO	White	B		1	1 unit	102	0.030	
	Selector switches, 3 switch positions Switching sequence I-O-II, 2 × 50° operating angle, momentary contact type	1 NO, 1 NO	Black	▶	3SB22 10-2EB01 3SB22 10-2EC01 3SB22 10-2EE01 3SB22 10-2EG01	1	1 unit	102	0.029	
		1 NO, 1 NO	Red	B		1	1 unit	102	0.029	
		1 NO, 1 NO	Green	B		1	1 unit	102	0.029	
		1 NO, 1 NO	White	B		1	1 unit	102	0.029	
 <p>CES key-operated switch</p>	CES key-operated switches, 2 switch positions Switching sequence O-I, 62° operating angle, latching	1 NO	SB2	O	▶	3SB22 02-4LA01 3SB22 02-4LB01	1	1 unit	102	0.053
		1 NO	SB2	O + I	B		1	1 unit	102	0.053
	CES key-operated switches, 3 switch positions Switching sequence I-O-II, 2 × 62° operating angle, latching	1 NO, 1 NO	SB2	O	B	3SB22 10-4PA01 3SB22 10-4PB01	1	1 unit	102	0.056
		1 NO, 1 NO	SB2	I + O + II	B		1	1 unit	102	0.056
	CES key-operated switches, 3 switch positions Switching sequence I-O-II, 2 × 50° operating angle, momentary contact type	1 NO, 1 NO	SB2	O	B	3SB22 10-4QA01	1	1 unit	102	0.057
Version	Color of screw lens	DT	Flat connectors	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.			
								Order No.	Price per PU	kg
 <p>Indicator lights</p>	Indicator lights Lampholder 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	1 unit	102	0.020		
		Yellow	B		1	1 unit	102	0.020		
		Green	▶		1	1 unit	102	0.020		
		White	▶		1	1 unit	102	0.020		
		Clear	▶		1	1 unit	102	0.020		
			B		1	1 unit	102	0.020		
	Indicator lights Lampholder 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	1 unit	102	0.021		
		Yellow	B		1	1 unit	102	0.021		
		Green	▶		1	1 unit	102	0.021		
		White	▶		1	1 unit	102	0.021		
		Clear	▶		1	1 unit	102	0.021		
			B		1	1 unit	102	0.021		




1) For wedge base lamps, see Accessories.

* You can order this quantity or a multiple thereof.

3SB2 Pushbuttons and Indicator Lights, 16 mm

Actuators and indicators

Selection and ordering data








Version	Color of handle	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Pushbutton									
	Pushbuttons with flat button	Black	▶	3SB20 00-0AB01		1	1 unit	102	0.005
		Red	▶	3SB20 00-0AC01		1	1 unit	102	0.005
		Yellow	B	3SB20 00-0AD01		1	1 unit	102	0.005
		Green	▶	3SB20 00-0AE01		1	1 unit	102	0.005
		Blue	C	3SB20 00-0AF01		1	1 unit	102	0.005
		White	▶	3SB20 00-0AG01		1	1 unit	102	0.005
	Clear ¹⁾	B	3SB20 00-0AH01		1	1 unit	102	0.005	
	Illuminated pushbuttons with flat button	Red	▶	3SB20 01-0AC01		1	1 unit	102	0.005
		Yellow ¹⁾	B	3SB20 01-0AD01		1	1 unit	102	0.005
		Green	▶	3SB20 01-0AE01		1	1 unit	102	0.005
Blue		B	3SB20 01-0AF01		1	1 unit	102	0.005	
White		▶	3SB20 00-0AG01		1	1 unit	102	0.005	
Clear ¹⁾		B	3SB20 00-0AH01		1	1 unit	102	0.005	
	Pushbuttons with raised button	Black	B	3SB20 00-0LB01		1	1 unit	102	0.005
		Red	B	3SB20 00-0LC01		1	1 unit	102	0.005
		Yellow	B	3SB20 00-0LD01		1	1 unit	102	0.006
		Blue	B	3SB20 00-0LF01		1	1 unit	102	0.006
		White	B	3SB20 00-0LG01		1	1 unit	102	0.006
		Clear ¹⁾	B	3SB20 00-0LH01		1	1 unit	102	0.006
Illuminated pushbuttons with raised button	Red	B	3SB20 01-0LC01		1	1 unit	102	0.005	
	Yellow ¹⁾	B	3SB20 01-0LD01		1	1 unit	102	0.005	
	Green	B	3SB20 01-0LE01		1	1 unit	102	0.005	
	Blue	B	3SB20 01-0LF01		1	1 unit	102	0.005	
	White	B	3SB20 01-0LG01		1	1 unit	102	0.005	
	Clear ¹⁾	B	3SB20 00-0LH01		1	1 unit	102	0.006	
	EMERGENCY-STOP mushroom pushbuttons acc. to ISO 13850, latching²⁾	Red	▶	3SB20 00-1AC01		1	1 unit	102	0.015
Latches automatically when pressed; unlatches by turning the mushroom head anticlockwise									

¹⁾ Inscription is possible by inserting a label.

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

Version	Color of handle	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
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Selector switches

	Selector switches with 2 switch positions Switching sequence O-I, 62° operating angle, latching		Black	▶	3SB20 00-2AB01	1	1 unit	102	0.008
			Red	▶	3SB20 00-2AC01	1	1 unit	102	0.008
			Green	B	3SB20 00-2AE01	1	1 unit	102	0.008
			White	B	3SB20 00-2AG01	1	1 unit	102	0.008
			Selector switches with 2 switch positions Switching sequence O-I, 50° operating angle, momentary contact type (reset from the right)		Black	C	3SB20 00-2BB01	1	1 unit
	Red			B	3SB20 00-2BC01	1	1 unit	102	0.008
	Green			B	3SB20 00-2BE01	1	1 unit	102	0.008
	Selector switches with 2 switch positions Switching sequence O-I, 90° operating angle, latching		Black	B	3SB20 00-2HB01	1	1 unit	102	0.008
			Red	B	3SB20 00-2HC01	1	1 unit	102	0.008
			Green	C	3SB20 00-2HE01	1	1 unit	102	0.008
			White	B	3SB20 00-2HG01	1	1 unit	102	0.008
	Selector switches with 3 switch positions Switching sequence I-O-II, 2 x 62° operating angle, latching		Black	▶	3SB20 00-2DB01	1	1 unit	102	0.007
			Red	C	3SB20 00-2DC01	1	1 unit	102	0.007
			Green	B	3SB20 00-2DE01	1	1 unit	102	0.007
			White	B	3SB20 00-2DG01	1	1 unit	102	0.007
	Selector switches with 3 switch positions Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type		Black	▶	3SB20 00-2EB01	1	1 unit	102	0.007
			Red	B	3SB20 00-2EC01	1	1 unit	102	0.007
			Green	B	3SB20 00-2EE01	1	1 unit	102	0.007
			White	B	3SB20 00-2EG01	1	1 unit	102	0.007
	Selector switches with 3 switch positions Switching sequence I-O-II, 2 x 90° operating angle, latching		Black	B	3SB20 00-2JB01	1	1 unit	102	0.008

* You can order this quantity or a multiple thereof.

3SB2 Pushbuttons and Indicator Lights, 16 mm

Actuators and indicators

Version	Lock No.	Key removal position	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
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kg

Key-operated switches



CES key-operated switch

CES key-operated switches with 2 keys, 2 switch positions Switching sequence O-I, 62° operating angle, latching		SB2	O+I O	B	3SB20 00-4LB01 3SB20 00-4LA01	1 1	1 unit 1 unit	102 102	0.035 0.035	
		SB2	O	▶	3SB20 00-4MA01	1	1 unit	102	0.035	
	CES key-operated switches with 2 keys, 3 switch positions Switching sequence I-O-II, 2 x 62° operating angle, latching		SB2	I+O+II O	B B	3SB20 00-4PB01 3SB20 00-4PA01	1 1	1 unit 1 unit	102 102	0.035 0.035
			SB2	O	B	3SB20 00-4QA01	1	1 unit	102	0.034

Version	Color of screw lens	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
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kg

Indicator lights



Indicator lights

Indicator lights with concentric rings (inscription by inserting a cap is not possible)	Red	▶	3SB20 01-6BC06	1	1 unit	102	0.004
	Yellow	B	3SB20 01-6BD06	1	1 unit	102	0.004
	Green	▶	3SB20 01-6BE06	1	1 unit	102	0.004
	Blue	B	3SB20 01-6BF06	1	1 unit	102	0.004
	White	▶	3SB20 01-6BG06	1	1 unit	102	0.004
	Clear	B	3SB20 01-6BH06	1	1 unit	102	0.004
Indicator lights, smooth for inscription by inserting a cap ¹⁾	Red	B	3SB20 01-6CC06	1	1 unit	102	0.004
	Yellow	B	3SB20 01-6CD06	1	1 unit	102	0.004
	Green	B	3SB20 01-6CE06	1	1 unit	102	0.004
	Blue	B	3SB20 01-6CF06	1	1 unit	102	0.004
	Clear	B	3SB20 01-6CH06	1	1 unit	102	0.004

¹⁾ For insert caps, see Accessories.

3SB2 Pushbuttons and Indicator Lights, 16 mm

Contact blocks and lampholders

Selection and ordering data

Version	Diagram	Operating travel <input type="checkbox"/> Contact closed <input type="checkbox"/> Contact open	DT	Flat connectors	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
				Order No.	Price per PU			kg

Contact blocks and lampholders with flat connectors 2 × 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

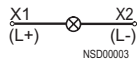
▶	3SB29 08-0AA	1	5 units	102	0.008
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Lampholders with holder for fixing the actuator and the contact blocks



Lampholders

Lampholders
 W2 x 4.6 d
 without lamp



▶	3SB23 04-2A	1	1 unit	102	0.009
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Lampholders
 W2 x 4.6 d



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

B	3SB23 04-2F	1	1 unit	102	0.010
B	3SB23 04-2H	1	1 unit	102	0.010



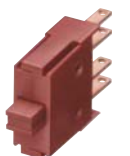
Voltage reducer

Voltage reducers¹⁾
 For connecting the 3SB29 08-1AE lamp (48 V) to 230 V AC



B	3SB24 04-3D	1	1 unit	102	0.009
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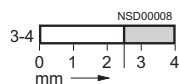
Contact blocks for fixing in the holder or lampholder



Contact blocks

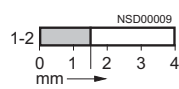
Contact blocks with one contact²⁾

1 NO



▶	3SB24 04-0B	1	1 unit	102	0.004
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1 NC ³⁾






▶	3SB24 04-0C	1	1 unit	102	0.004
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1) Use fixpoint terminal according to IEC 60439-1.
 2) For plug-in and insulation sleeves, see Accessories.
 3) Positive opening according to IEC 60947-5-1, Appendix K.

3SB2 Pushbuttons and Indicator Lights, 16 mm


Contact blocks and lampholders

Version	Diagram	Operating travel  Contact closed  Contact open	DT	Solder pin connections 	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
				Order No.	Price per PU			

Contact blocks and lampholders with solder pins




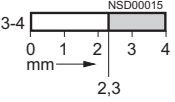

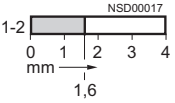

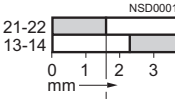

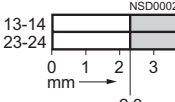

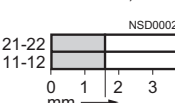
Holder

Holders for contact block with solder pins For fixing the actuators in the front panel			C	3SB29 08-0AB	1	5 units	102	0.006
Lampholders Wedge base W2 x 4.6 d ¹⁾			B	3SB24 55-2A	1	1 unit	102	0.008

Contact blocks




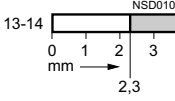

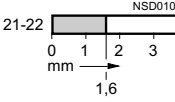

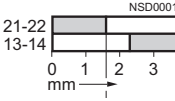

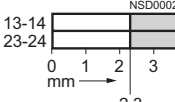

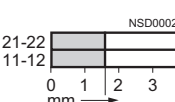
Contact block with solder pins

1 NO			B	3SB24 55-0B	1	1 unit	102	0.008
1 NC			B	3SB24 55-0C	1	1 unit	102	0.008
1 NO + 1 NC			B	3SB24 55-0J	1	1 unit	102	0.010
1 NO + 1 NO			B	3SB24 55-0E	1	1 unit	102	0.009
1 NC + 1 NC			B	3SB24 55-0F	1	1 unit	102	0.009

Contact blocks and lampholders, wedge base W2 x 4.6 d¹⁾



Contact block and lampholder with solder pins

1 NO			C	3SB24 55-1B	1	1 unit	102	0.009
1 NC			C	3SB24 55-1C	1	1 unit	102	0.009
1 NO + 1 NC			B	3SB24 55-1J	1	1 unit	102	0.010
1 NO + 1 NO			B	3SB24 55-1E	1	1 unit	102	0.010
1 NC + 1 NC			C	3SB24 55-1F	1	1 unit	102	0.010

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

²⁾ Positive opening according to IEC 60947-5-1, Appendix K.

* You can order this quantity or a multiple thereof.

3SB2 Pushbuttons and Indicator Lights, 16 mm

Accessories and Spare Parts

Insert labels and insert caps

Overview

Clear pushbuttons, illuminated pushbuttons 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 pushbuttons and illuminated pushbuttons, flat	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.			
			Order No.	Price per PU			kg			
For self-inscription										
	Blank	C	3SB29 01-4AA	100	10 units	102	0.100			
With inscription										
	Ein	B	3SB29 01-4AB	100	10 units	102	0.100			
	Aus	B	3SB29 01-4AC	100	10 units	102	0.100			
	Auf	B	3SB29 01-4AD	100	10 units	102	0.100			
	Ab	B	3SB29 01-4AE	100	10 units	102	0.100			
	Vor	B	3SB29 01-4AF	100	10 units	102	0.100			
	Zurück	B	3SB29 01-4AG	100	10 units	102	0.100			
	Rechts	B	3SB29 01-4AH	100	10 units	102	0.100			
	Links	B	3SB29 01-4AJ	100	10 units	102	0.100			
	Halt	C	3SB29 01-4AK	100	10 units	102	0.100			
	Zu	B	3SB29 01-4AL	100	10 units	102	0.100			
	Langsam	C	3SB29 01-4AN	100	10 units	102	0.100			
	Störung	B	3SB29 01-4AQ	100	10 units	102	0.100			
	On	C	3SB29 01-4EB	100	10 units	102	0.100			
	Start	B	3SB29 01-4EK	100	10 units	102	0.100			
	Stop	B	3SB29 01-4EL	100	10 units	102	0.100			
	Reset	B	3SB29 01-4EM	100	10 units	102	0.100			
	Test	B	3SB29 01-4EN	100	10 units	102	0.100			
	0	B	3SB29 01-4RA	100	10 units	102	0.100			
	1	B	3SB29 01-4RB	100	10 units	102	0.100			
	2	B	3SB29 01-4RC	100	10 units	102	0.100			
	3	B	3SB29 01-4RD	100	10 units	102	0.100			
	4	B	3SB29 01-4RE	100	10 units	102	0.100			
	5	C	3SB29 01-4RF	100	10 units	102	0.100			
	6	C	3SB29 01-4RG	100	10 units	102	0.100			
	7	C	3SB29 01-4RH	100	10 units	102	0.100			
	8	C	3SB29 01-4RJ	100	10 units	102	0.100			
	9	C	3SB29 01-4RK	100	10 units	102	0.100			
Graphic ON/OFF symbols										
	O (Off)			5008 IEC	B	3SB29 01-4MB	100	10 units	102	0.100
	I (On)			5007 IEC	B	3SB29 01-4MC	100	10 units	102	0.100
	II (On)			--	C	3SB29 01-4MD	100	10 units	102	0.100

* You can order this quantity or a multiple thereof.

3SB2 Pushbuttons and Indicator Lights, 16 mm

Accessories and Spare Parts

Insert labels and insert caps















Inscription/Symbol	Symbol No.	DT	Insert labels For pushbuttons and illuminated pushbuttons, flat	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.		
			Order No.	Price per PU			kg		
Graphic equipment symbols									
	Electric motor		0011 ISO	B	3SB29 01-4PA	100	10 units	102	0.100
	Horn		5014 IEC	B	3SB29 01-4PB	100	10 units	102	0.100
	Pump		0134 ISO	C	3SB29 01-4PD	100	10 units	102	0.100
	Coolant pump		0355 ISO	B	3SB29 01-4PE	100	10 units	102	0.100
Graphic motion symbols									
	Motion in direction of arrow		5022 IEC	B	3SB29 01-4NA	100	10 units	102	0.100
	Motion in direction of arrow		--	B	3SB29 01-4NB	100	10 units	102	0.100
	Clockwise rotation		0004 ISO	B	3SB29 01-4NC	100	10 units	102	0.100
	Anticlockwise rotation		--	B	3SB29 01-4ND	100	10 units	102	0.100
	Fast motion		0266 ISO	C	3SB29 01-4NE	100	10 units	102	0.100
	Increase (plus)		5005 IEC	B	3SB29 01-4NG	100	10 units	102	0.100
	Decrease (minus)		5006 IEC	B	3SB29 01-4MC	100	10 units	102	0.100
Graphic control symbols									
	Clamp		--	B	3SB29 01-4QB	100	10 units	102	0.100
	Release		--	B	3SB29 01-4QC	100	10 units	102	0.100
	Brake off		0021 ISO	C	3SB29 01-4QE	100	10 units	102	0.100
	Lock		0022 ISO	C	3SB29 01-4QF	100	10 units	102	0.100
	Unlock		0023 ISO	B	3SB29 01-4QG	100	10 units	102	0.100
	On/Off, momentary contact		5011 IEC	B	3SB29 01-4QJ	100	10 units	102	0.100
	Manual operation		0096 ISO	B	3SB29 01-4QK	100	10 units	102	0.100
	Automatic sequence		0017 ISO	B	3SB29 01-4QL	100	10 units	102	0.100
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. See "Options", page 9/15.			C	3SB29 01-4AZ K0Y	1	1 unit	102	0.001
				B	K1Y or K2Y	1	1 unit	102	0.001
				B	K5Y	1	1 unit	102	0.001
	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).			B	3SB29 01-4AZ K3Y	1	1 unit	102	0.001
	Any inscription or symbol Please add the order code "K9Y" to the Order No. and specify the inscription or the symbol required.			B	3SB29 01-4AZ K9Y	1	1 unit	102	0.001

* You can order this quantity or a multiple thereof.

3SB2 Pushbuttons and Indicator Lights, 16 mm

Accessories and Spare Parts

Insert labels and insert caps





Inscription/Symbol	Symbol No.	DT	Insert caps For pushbuttons and illuminated pushbuttons, raised	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
			Order No.	Price per PU			kg
For self-inscription							
	Blank	C	3SB29 01-5AA		100	10 units	102 0.100
With inscription							
	Aus	B	3SB29 01-5AC		100	10 units	102 0.100
	Auf	B	3SB29 01-5AD		100	10 units	102 0.100
	Zu	B	3SB29 01-5AL		100	10 units	102 0.100
	0	C	3SB29 01-5RA		100	10 units	102 0.100
	1	B	3SB29 01-5RB		100	10 units	102 0.100
	2	B	3SB29 01-5RC		100	10 units	102 0.100
	3	B	3SB29 01-5RD		100	10 units	102 0.100
	4	B	3SB29 01-5RE		100	10 units	102 0.100
	5	B	3SB29 01-5RF		100	10 units	102 0.100
	6	B	3SB29 01-5RG		100	10 units	102 0.100
	7	B	3SB29 01-5RH		100	10 units	102 0.100
	8	B	3SB29 01-5RJ		100	10 units	102 0.100
	9	B	3SB29 01-5RK		100	10 units	102 0.100
Graphic ON/OFF symbols							
	O (Off)			5008 IEC	C	3SB29 01-5MB	100 10 units 102 0.100
	I (On)			5007 IEC	B	3SB29 01-5MC	100 10 units 102 0.100
Graphic motion symbols							
	Motion in direction of arrow			5022 IEC	B	3SB29 01-5NA	100 10 units 102 0.100
	Motion in direction of arrow			--	B	3SB29 01-5NB	100 10 units 102 0.100
	Increase (plus)			5005 IEC	B	3SB29 01-5NG	100 10 units 102 0.100
	Decrease (minus)			5006 IEC	B	3SB29 01-5MC	100 10 units 102 0.100
Graphic control symbols							
	Clamp			--	B	3SB29 01-5QB	100 10 units 102 0.100
	Release			--	B	3SB29 01-5QC	100 10 units 102 0.100
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. See "Options", page 9/15.	C	3SB29 01-5AZ K0Y		1	1 unit	102 0.001
		B	K1Y or K2Y		1	1 unit	102 0.001
		B	K5Y		1	1 unit	102 0.001
	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).	B	3SB29 01-5AZ K3Y		1	1 unit	102 0.001
	Any inscription or symbol Please add the order code " K9Y " to the Order No. and specify the inscription or the symbol required.	B	3SB29 01-5AZ K9Y		1	1 unit	102 0.001

* You can order this quantity or a multiple thereof.

3SB2 Pushbuttons and Indicator Lights, 16 mm

Accessories and Spare Parts

Insert labels and insert caps

Inscription/Symbol	Symbol No.	DT	Insert caps For indicator lights	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
			Order No.	Price per PU			kg
For self-inscription							
	Blank	X	3SB29 01-7AA		100	10 units	102 0.100
With inscription							
	Betrieb	B	3SB29 01-7AP		100	1 unit	102 0.100
	Störung	B	3SB29 01-7AQ		100	10 units	102 0.100
Graphic symbols							
	Pump				100	10 units	102 0.100
	Manual operation				100	10 units	102 0.100
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. See "Options", page 9/15.	C	3SB29 01-7AZ K0Y		1	1 unit	102 0.001
		B	K1Y or K2Y		1	1 unit	102 0.001
		B	K5Y		1	1 unit	102 0.001
	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).	B	3SB29 01-7AZ K3Y		1	1 unit	102 0.001
	Any inscription or symbol Please add the order code " K9Y " to the Order No. and specify the inscription or the symbol required.	B	3SB29 01-7AZ K9Y		1	1 unit	102 0.001

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 Out"): **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 example 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 Pushbuttons and Indicator Lights, 16 mm

Accessories and Spare Parts

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.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg			
Inscription labels, self-adhesive, 9.5 mm × 18.5 mm											
	Blank	▶	3SB29 01-2AA		100	10 units	102	0.100			
	Ein	B	3SB29 01-2AB		100	10 units	102	0.100			
	Aus	B	3SB29 01-2AC		100	10 units	102	0.100			
	Auf	B	3SB29 01-2AD		100	10 units	102	0.100			
	Zu	B	3SB29 01-2AL		100	10 units	102	0.100			
	Vor	B	3SB29 01-2AF		100	10 units	102	0.100			
	Zurück	B	3SB29 01-2AG		100	10 units	102	0.100			
	Schnell	C	3SB29 01-2AM		100	10 units	102	0.100			
	Langsam	C	3SB29 01-2AN		100	10 units	102	0.100			
	Betrieb	B	3SB29 01-2AP		100	10 units	102	0.100			
	Störung	B	3SB29 01-2AQ		100	10 units	102	0.100			
	Einrichten	B	3SB29 01-2AR		100	10 units	102	0.100			
	On	B	3SB29 01-2EB		100	10 units	102	0.100			
	Off	B	3SB29 01-2EC		100	10 units	102	0.100			
	Start	B	3SB29 01-2EL		100	10 units	102	0.100			
	Reset	B	3SB29 01-2EM		100	10 units	102	0.100			
	Fault	B	3SB29 01-2EW		100	10 units	102	0.100			
	Hand Auto	B	3SB29 01-2BA		100	10 units	102	0.100			
	Manual 0 Auto	B	3SB29 01-2BE		100	10 units	102	0.100			
	Man 0 Auto	B	3SB29 01-2ET		100	10 units	102	0.100			
Graphic symbols											
	O (Off)			5008 IEC	B	3SB29 01-2MB		100	10 units	102	0.100
	I (On)			5007 IEC	B	3SB29 01-2MC		100	10 units	102	0.100
	O I (horizontal)			--	B	3SB29 01-2MF		100	10 units	102	0.100
	Motion in direction of arrow			5002 IEC	C	3SB29 01-2NA		100	10 units	102	0.100
Customized inscriptions or symbols (see Options)											
		C	K0Y			1	1 unit	102	0.001		
		B	K1Y, K2Y or K3Y			1	1 unit	102	0.001		
		B	K5Y			1	1 unit	102	0.001		
		B	K9Y			1	1 unit	102	0.001		

Label holders



Label holders for inscription labels

The label holders must not be used with the 3SB2...-1AC01 EMERGENCY-STOP mushroom pushbutton.

B **3SB29 02-0AB** 100 10 units 102 0.100

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 out"): **K0Y**
- Text line(s) in upper case (e. g. "LIFT OUT"): **K1Y**
- Text line(s) in lower case (e. g. "lift out"): **K2Y**
- Text line(s) in upper/lower case, all words begin with upper case letters (e. g. "Lift Out"): **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












* You can order this quantity or a multiple thereof.

3SB2 Pushbuttons and Indicator Lights, 16 mm

Accessories and Spare Parts

Mounting parts and components

Selection and ordering data

Version	Lamp voltage	Color	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg			
Buttons and lenses¹⁾												
 3SB29 10-0AF	Buttons, flat For pushbuttons	Black	C	3SB29 10-0AB		100	10 units	102	0.100			
		Red	C	3SB29 10-0AC		100	10 units	102	0.100			
		Yellow	C	3SB29 10-0AD		100	10 units	102	0.100			
		Green	C	3SB29 10-0AE		100	10 units	102	0.100			
		Blue	C	3SB29 10-0AF		100	10 units	102	0.100			
		White	C	3SB29 10-0AG		100	10 units	102	0.100			
		Clear	C	3SB29 10-0AH		100	10 units	102	0.100			
 3SB29 10-0CF	Buttons, flat For illuminated pushbuttons	Red	C	3SB29 10-0CC		100	10 units	102	0.100			
		Yellow	C	3SB29 10-0CD		100	10 units	102	0.100			
		Green	C	3SB29 10-0CE		100	10 units	102	0.100			
		Blue	C	3SB29 10-0CF		100	10 units	102	0.100			
		White	C	3SB29 10-0AG		100	10 units	102	0.100			
		Clear	C	3SB29 10-0AH		100	10 units	102	0.100			
		 3SB29 10-0BD	Buttons, raised For pushbuttons	Black	C	3SB29 10-0BB		1	10 units	102	0.001	
Red	C			3SB29 10-0BC		1	10 units	102	0.001			
Yellow	C			3SB29 10-0BD		1	10 units	102	0.001			
Clear	C			3SB29 10-0BH		1	10 units	102	0.001			
 3SB29 10-0DD	Buttons, raised For illuminated pushbuttons			Red	C	3SB29 10-0DC		1	10 units	102	0.001	
		Yellow	C	3SB29 10-0DD		1	10 units	102	0.001			
		Clear	C	3SB29 10-0BH		1	10 units	102	0.001			
 3SB29 10-1AD	Screw lenses With concentric rings	Red	C	3SB29 10-1AC		100	10 units	102	0.100			
		Yellow	C	3SB29 10-1AD		100	10 units	102	0.100			
		Green	A	3SB29 10-1AE		100	10 units	102	0.100			
		Blue	C	3SB29 10-1AF		100	10 units	102	0.100			
		White	C	3SB29 10-1AG		100	10 units	102	0.100			
		Clear	C	3SB29 10-1AH		100	10 units	102	0.100			
		 3SB29 10-1BE	Screw lenses Smooth, for inscription with insert cap	Red	C	3SB29 10-1BC		100	10 units	102	0.100	
Yellow	C			3SB29 10-1BD		100	10 units	102	0.100			
Green	C			3SB29 10-1BE		100	10 units	102	0.100			
Blue	C			3SB29 10-1BF		100	10 units	102	0.100			
Clear	C			3SB29 10-1BH		100	10 units	102	0.100			
 3SB29 08-2AJ	Keys For CES key-operated switch, lock No. SB2				B	3SB29 08-2AJ		1	1 unit	102	0.004	
Lamps, Wedge bases²⁾												
 3SB29 08-1AE	Incandescent lamps Wedge base W2 × 4.6 d, 1.0 W	AC/DC	Clear	C	3SB29 08-1AA		100	10 units	102	0.100		
		6		B	3SB29 08-1AB		100	10 units	102	0.100		
		12		▶	3SB29 08-1AC		100	10 units	102	0.100		
		24		A	3SB29 08-1AD		100	10 units	102	0.100		
		30		B	3SB29 08-1AE		1	10 units	102	0.001		
		48		B	3SB29 08-1AF		1	10 units	102	0.001		
		60		B	3SB29 08-1AF		1	10 units	102	0.001		
 3SB39 01-1SB	LED lamps, super-bright Wedge base W2 × 4.6 d	24 AC/DC	Red	B	3SB39 01-1SB		1	10 units	102	0.001		
			Yellow	B	3SB39 01-1RB		1	10 units	102	0.001		
			Green	B	3SB39 01-1TB		1	10 units	102	0.001		
			White	B	3SB39 01-1UB		1	10 units	102	0.001		
			Blue	B	3SB29 08-1BD		1	10 units	102	0.001		
		 3SB29 08-1BD		28 AC/DC	Red	B	3SB39 01-1SE		1	10 units	102	0.001
					Yellow	B	3SB39 01-1RE		1	10 units	102	0.001
	Green			B	3SB39 01-1TE		1	10 units	102	0.001		
	White			B	3SB39 01-1UE		1	10 units	102	0.001		
	Blue			D	3SB39 01-1VE		1	10 units	102	0.001		
 3SB29 08-1AB	Lamp extractors For lamps with bases W2 × 4.6 d				▶	3SB29 08-2AB		1	1 unit	102	0.003	

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

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

3SB2 Pushbuttons and Indicator Lights, 16 mm

Accessories and Spare Parts

Mounting parts and components

Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Accessories for command points							
 3SB29 02-0AA		Single frames for square design ¹⁾	▶	3SB29 02-0AA	100	10 units	102 0.100
 3SB29 08-2AG		Name plates, yellow, Ø 50 mm As backing plate for EMERGENCY STOP, self-adhesive					
		• Blank	▶	3SB29 08-2AF	1	1 unit	102 0.001
		• With German inscription "NOT-HALT"	▶	3SB29 08-2AG	1	1 unit	102 0.001
		• With German inscription "NOT-AUS"	▶	3SB29 08-2AK	1	1 unit	102 0.001
 3SB29 08-3AA	B	Blanking plugs Black plastic (degree of protection IP65)		3SB29 08-3AA	1	1 unit	102 0.005
 3SB29 08-1	B	Protective caps, clear Silicone, for pushbuttons with flat and raised button		3SB29 08-3AB	1	1 unit	102 0.002
Flat connectors							
 3SB29 08-8AA	A	Plug-in sleeves For flat connectors 2.8 × 0.8 mm, cross-section 0.5 ... 1.5 mm ²		3SB29 08-8AA	100	250 units	102 0.200
 3SB29 08-8AB	D	Insulation sleeves For flat connectors, connection from the front		3SB29 08-8AB	100	250 units	102 0.100
 3SB29 08-8AD	D	Complete connectors²⁾ For connecting contact blocks and lampholders (up to 10 connections). Guaranteed finger-safe acc. to IEC 61140 and BGV A3 (VBG 4)		3SB29 08-8AD	1	1 unit	102 0.005
 3SB29 08-8AE	B	Plug-in sleeves For flat connectors 2.8 × 0.8 mm, with locating spring for latching in complete connector		3SB29 08-8AE	100	10 units	102 0.100
Tools							
 3SB29 08-2AA		Dismantling tools For holders and lampholders with holder	▶	3SB29 08-2AA	1	1 unit	102 0.015
 3SB29 08-2AC		Mounting tools For buttons and screw lenses	▶	3SB29 08-2AC	1	1 unit	102 0.012
 6179 0950		Crimping tools for non-insulated connections, type KRBC 0560 For plug-in sleeves (both versions)		Art. No. 6179 0950 Lapp Holding AG Oskar-Lapp-Str. 2 D-70565 Stuttgart Tel.: +49 (0) 711/78 38-01 Fax: +49 (0) 711/78 38-26 40 E-mail: info@lappkabel.de www.lappkabel.de			

¹⁾ Not suitable for EMERGENCY-STOP mushroom pushbuttons.

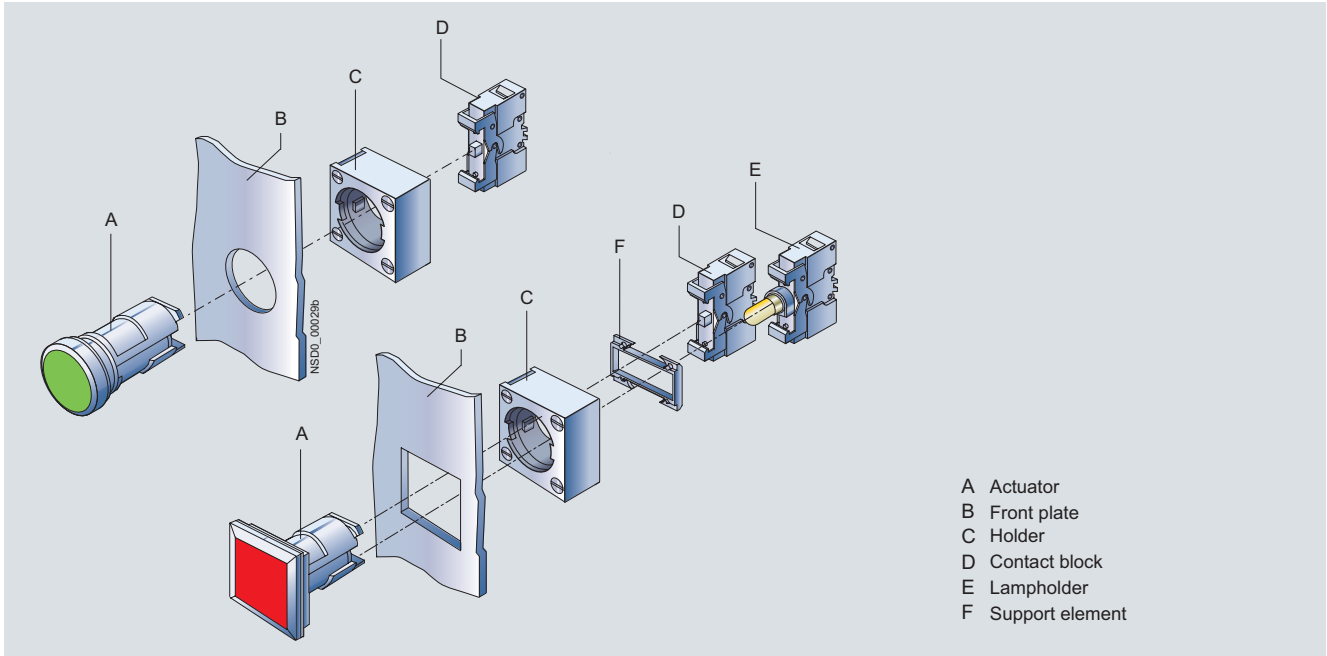
²⁾ Required 3SB29 08-8AE plug-in sleeves for flat connectors 2.8 × 0.8 mm are not included in the scope of supply.

3SB3 Pushbuttons and Indicator Lights, 22 mm

General data

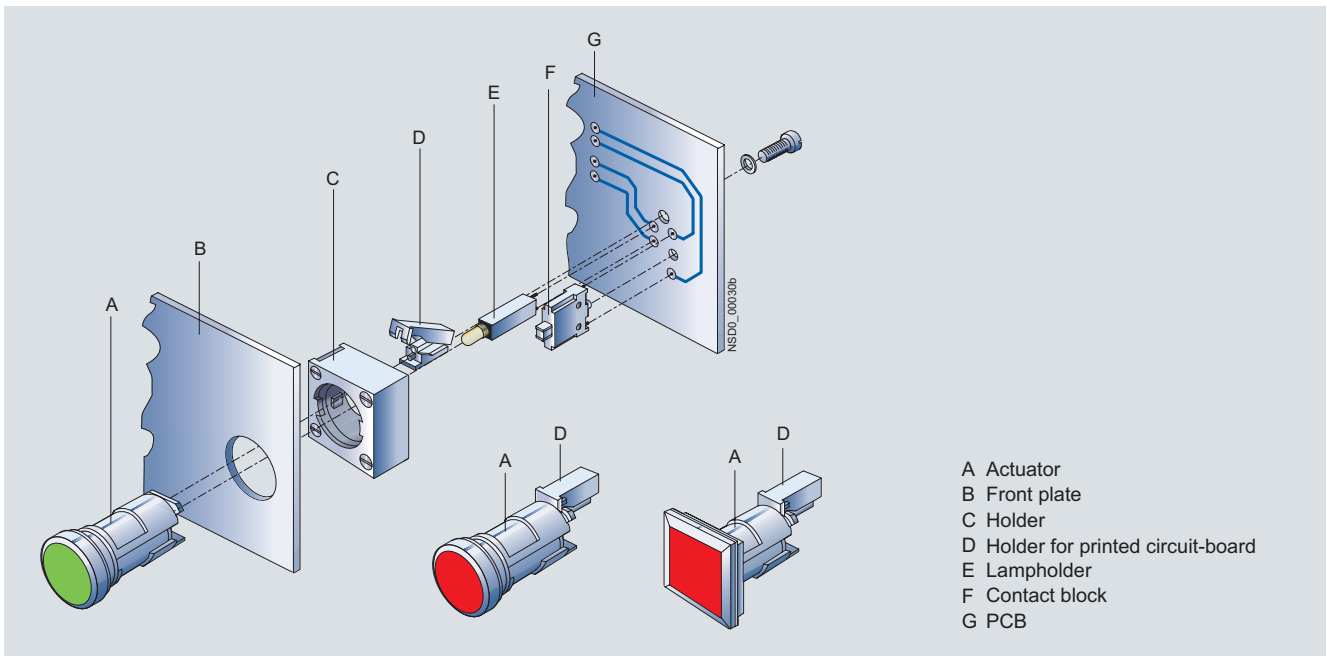
Overview

Front plate mounting



For actuators see page 9/22 to 9/59.
 For contact blocks and lampholders see page 9/60 to 9/62.
 For holders see page 9/63.

Used on printed circuit boards



For contact blocks for use on printed circuit boards see page 9/63.

3SB3 Pushbuttons and Indicator Lights, 22 mm

General data

Design

The 3SB3 series is a modular range of commanding and signaling devices for front panel mounting and rear conductor connection. As an alternative, individual elements can also be supplied for use on printed circuit boards. Complete units are offered for the most commonly used applications.



Actuators and indicators and complete units

The 3SB3 series is available:

- Made of molded plastic in flat, round and square design
- Made of metal in round design.

The devices are of modern industrial design and can be mounted rapidly by a single person. The operating surfaces of the pushbuttons and illuminated pushbuttons are concave. The lenses of the indicator lights are convex.

The metal version with a high degree of protection according to IP67 and NEMA 4 is available for the world market.

One command point comprises:

- An actuator or lens assembly in front of the control panel
- A holder for mounting behind the control panel
- Up to 3 contact blocks and/or 1 lampholder behind the control panel
- A comprehensive range of accessories for inscription

Two contact blocks can be snapped onto the actuator in the standard version.

When three contact blocks or illuminated actuators are required, an additional holder must be plugged onto the actuator from the rear.

- 3SB39 01-0AB holder for 3 contact blocks or for 2 contact blocks and 1 lampholder
- 3SB39 01-0AC holder with pressure plates for actuating a central contact block when using a selector switch, key-operated switch and twin pushbutton with 3 contact blocks.

For illuminated pushbuttons, illuminated switches and illuminated selector switches the holder is included in the scope of supply as standard.

The contact blocks are fitted with a slow-action contact (1 NO contact or 1 NC contact) with double operating 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 solid-state systems as well as conventional controls.

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 pushbuttons.

Connection methods

The devices are available with screw terminals (box terminals), spring-type terminals or solder pins.

⊕ Screw terminals

∞ Spring-type terminals

⏏ Solder pin connections

The terminals are indicated in the selection and ordering data by orange backgrounds.

Application

The devices are climate-proof (KTW 24) and suitable for standard industrial applications and operation in marine applications. For operation in oily atmospheres (organic oils/lubricants) we recommend actuators of polyamide type (-OPA0 versions).

AS-Interface solutions

The 3SB3 commanding and signaling devices can be connected to the AS-Interface communication system quickly and safely with the help of various solutions.

The following solutions are available:

- ASIsafe EMERGENCY-STOP mushroom pushbuttons (see page 9/64)
- AS-Interface enclosures with 1 to 6 command points (see page 9/93).
- AS-Interface front panel modules for 4 command points (see Catalog IK PI)

"Intrinsic safety" type of protection EEx i according to ATEX directive 94/9/EC

The pushbuttons and indicator lights in round design can also be used in hazardous areas. The 3SB34 ...-0. contact blocks and the 3SB34 ...-1A lampholders (with 3SB39 01-1.A LED lamp) with screw terminals or spring-type terminals can be used.

See Chapter 20 "Appendix" → "Standards and approvals" → "Type overview of approved devices for potentially explosive areas (ATEX explosion protection)".

Safety EMERGENCY-STOP pushbuttons acc. to ISO 13850

For controls according to IEC 60204-1 or EN 60204-1 (VDE 0113 Part 1), the mushroom pushbuttons of the 3SB3 series are suitable for use as safety EMERGENCY-STOP pushbuttons.

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 pushbuttons 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.

3SB3 Pushbuttons and Indicator Lights, 22 mm

General data

More information

Type	3SB34 00-0, 3SB34 20-0	3SB14 00-0J	3SB34 00-1, 3SB34 20-1	3SB34 03-0, 3SB34 23-0	3SB34 03-1, 3SB34 23-1	3SB34 11-0	3SB34 11-1
Contact blocks and lampholders							
Standards	IEC 60947-5-1, IEC 60947-5-5, EN 60947-5-1, EN 60947-5-5						
Connection type	 Screw terminals		 Spring-type terminals		 Solder pins		
Rated insulation voltage U_i For pollution degree acc. to IEC 60947-1	V	400 Class 3	250 Class 3	400 Class 3	400 Class 3	250 Class 3	60 Class 3
Rated impulse withstand voltage U_{imp}	kV	4	4	4	4	4	1.5
Conventional free-air thermal current I_{th}	A	10	--	10	--	10	--
Rated operational current I_o for rated operational voltage U_o							
• Alternating current 50/60 Hz, AC-12		10	--	10	--	10	--
• Alternating current 50/60 Hz, AC-15							
- At $U_o = 24 \dots 230$ V	A	6	--	6	--	4	--
- At $U_o = 400$ V	A	3	4	3	--	--	--
• Direct current DC-12							
- At $U_o = 24$ V	A	10	10	--	10	--	10
- At $U_o = 48$ V	A	5	--	--	5	--	5
- At $U_o = 110$ V	A	2.5	2	--	2.5	--	2.5
- At $U_o = 230$ V	A	1	0.5	--	1	--	1
• Direct current DC-13							
- At $U_o = 24$ V	A	3	5	--	3	--	3
- At $U_o = 48$ V	A	1.5	--	--	1.5	--	1.5
- At $U_o = 110$ V	A	0.7	0.5	--	0.7	--	0.7
- At $U_o = 230$ V	A	0.3	0.2	--	0.3	--	0.3
Contact stability							
• Test voltage	V	5	--	5	--	5	--
• Test current	mA	1	--	1	--	1	--
Lampholders	--	--	BA 9s	--	BA 9s	--	Wedge bases
Lamps	--	--	Incandescent lamps, glow lamps and LED lamps	--	Incandescent lamps, glow lamps and LED lamps	--	Incandescent lamps and LED lamps
Short-circuit protection , weld-free, acc. to IEC 60947-5-1							
• DIAZED fuse links, utilization category gG acc. to IEC 60269-3-1		Dz10 A					
• DIAZED fuse links, quick acc. to DIN VDE 0635		Dz 16 A					
• Miniature circuit breaker with C characteristic acc. to IEC 60898	A	10					
Mechanical endurance		10 × 10 ⁶ operating cycles					
Electrical endurance		10 × 10 ⁶ operating cycles					
• For utilization category AC-15 with 3RT10 15 to 3RT10 26 contactors		10 × 10 ⁶ operating cycles					
• With utilization category DC-12, DC-13		With direct current it depends on the operational voltage, the breaking current, the circuit inductance and the switching frequency					
Switching frequency	1/h	1000 operating cycles					
Degree of protection acc. to IEC 60529							
• Terminals		IP20					
• Contact chambers		IP40	--	IP40	--	IP40	--
Touch protection acc. to EN 61140 and BGV A3		Finger-safe		Finger-safe		--	
Actuators and indicators							
Mechanical endurance		10 × 10 ⁶ operating cycles					
• Pushbutton		10 × 10 ⁶ operating cycles					
• Illuminated pushbuttons		3 × 10 ⁶ operating cycles					
• Actuators, rotary or maintained contact		3 × 10 ⁵ operating cycles					
• Key-operated switch with key monitoring		1 × 10 ⁵ operating cycles					
Degree of protection acc. to IEC 60529							
• Standard, plastic		IP66 (round), IP65 (square)					
• Standard, metal		IP67 and NEMA Type 4					
• Twin pushbuttons		IP65					
• Key-operated switch with key monitoring		IP54					
Ambient temperature							
• During operation, non-illuminated and with LED	°C	-25 ... +70					
• During operation, devices with incandescent lamp	°C	-25 ... +60					
• During storage, transport	°C	-40 ... +80					

For further technical information, see page 9/1.

3SB3 Pushbuttons and Indicator Lights, 22 mm



Actuators and Indicators, Plastic, Round, 22 mm

Complete units

Selection and ordering data

The following applies to all complete units:

PU (UNIT) = 1
 PS* = 1 UNIT
 PG = 102



Rated voltage of lamp	Color of handle	Contacts for front plate mounting	DT	Screw terminals		Weight per PU approx.	DT	Spring-type terminals		Weight per PU approx.
				Order No.	Price per PU			Order No.	Price per PU	
Pushbutton										
Pushbuttons with flat button										
	--	Black	1 NO	▶	3SB32 02-0AA11	0.040	B	3SB32 02-0AA11-0CC0	0.040	
		Black	1 NC	B	3SB32 03-0AA11	0.040	B	3SB32 03-0AA11-0CC0	0.040	
		Red	1 NC	▶	3SB32 03-0AA21	0.040	B	3SB32 03-0AA21-0CC0	0.040	
		Yellow	1 NO	B	3SB32 02-0AA31	0.040	B	3SB32 02-0AA31-0CC0	0.040	
		Green	1 NO	▶	3SB32 02-0AA41	0.040	B	3SB32 02-0AA41-0CC0	0.040	
		Blue	1 NO	B	3SB32 02-0AA51	0.040	B	3SB32 02-0AA51-0CC0	0.040	
		White	1 NO	▶	3SB32 02-0AA61	0.040	B	3SB32 02-0AA61-0CC0	0.040	
		Black	1 NO + 1 NC	B	3SB32 01-0AA11	0.050	B	3SB32 01-0AA11-0CC0	0.050	
		Red	1 NO + 1 NC	B	3SB32 01-0AA21	0.050	B	3SB32 01-0AA21-0CC0	0.060	
		Yellow	1 NO + 1 NC	B	3SB32 01-0AA31	0.047	B	3SB32 01-0AA31-0CC0	0.060	
		Green	1 NO + 1 NC	B	3SB32 01-0AA41	0.047	B	3SB32 01-0AA41-0CC0	0.060	
		Blue	1 NO + 1 NC	B	3SB32 01-0AA51	0.047	B	3SB32 01-0AA51-0CC0	0.060	
		White	1 NO + 1 NC	B	3SB32 01-0AA61	0.047	B	3SB32 01-0AA61-0CC0	0.060	
	Illuminated pushbuttons with flat button With integrated LED (including holder for 3 elements)									
	24 AC/DC	Red ¹⁾	1 NC	▶	3SB32 46-0AA21	0.050	B	3SB32 46-0AA21-0CC0	0.050	
		Yellow ¹⁾	1 NO	B	3SB32 45-0AA31	0.050	B	3SB32 45-0AA31-0CC0	0.050	
		Green ¹⁾	1 NO	▶	3SB32 45-0AA41	0.050	B	3SB32 45-0AA41-0CC0	0.050	
		Blue ¹⁾	1 NO	B	3SB32 45-0AA51	0.050	B	3SB32 45-0AA51-0CC0	0.050	
		White	1 NO	B	3SB32 45-0AA61	0.050	B	3SB32 45-0AA61-0CC0	0.050	
		Clear ¹⁾	1 NO	▶	3SB32 45-0AA71	0.050	B	3SB32 45-0AA71-0CC0	0.050	
	24 AC/DC	Red ¹⁾	1 NO + 1 NC	B	3SB32 47-0AA21	0.050	B	3SB32 47-0AA21-0CC0	0.060	
		Yellow ¹⁾	1 NO + 1 NC	B	3SB32 47-0AA31	0.050	B	3SB32 47-0AA31-0CC0	0.060	
		Green ¹⁾	1 NO + 1 NC	B	3SB32 47-0AA41	0.050	B	3SB32 47-0AA41-0CC0	0.060	
		Blue ¹⁾	1 NO + 1 NC	B	3SB32 47-0AA51	0.050	B	3SB32 47-0AA51-0CC0	0.060	
		White	1 NO + 1 NC	B	3SB32 47-0AA61	0.050	B	3SB32 47-0AA61-0CC0	0.060	
		Clear ¹⁾	1 NO + 1 NC	B	3SB32 47-0AA71	0.050	B	3SB32 47-0AA71-0CC0	0.060	
	110 AC	Red ¹⁾	1 NC	B	3SB32 50-0AA21	0.050	--	--	--	
		Yellow ¹⁾	1 NO	B	3SB32 57-0AA31	0.050	--	--	--	
	Green ¹⁾	1 NO	B	3SB32 57-0AA41	0.050	--	--	--		
	Blue ¹⁾	1 NO	B	3SB32 57-0AA51	0.050	--	--	--		
	White	1 NO	B	3SB32 57-0AA61	0.050	--	--	--		
	Clear ¹⁾	1 NO	B	3SB32 57-0AA71	0.050	--	--	--		
110 AC	Red ¹⁾	1 NO + 1 NC	B	3SB32 51-0AA21	0.060	--	--	--		
	Yellow ¹⁾	1 NO + 1 NC	B	3SB32 51-0AA31	0.060	--	--	--		
	Green ¹⁾	1 NO + 1 NC	B	3SB32 51-0AA41	0.060	--	--	--		
	Blue ¹⁾	1 NO + 1 NC	C	3SB32 51-0AA51	0.060	--	--	--		
	White	1 NO + 1 NC	B	3SB32 51-0AA61	0.060	--	--	--		
	Clear ¹⁾	1 NO + 1 NC	B	3SB32 51-0AA71	0.060	--	--	--		
230 AC	Red ¹⁾	1 NC	▶	3SB32 54-0AA21	0.050	B	3SB32 54-0AA21-0CC0	0.050		
	Yellow ¹⁾	1 NO	B	3SB32 53-0AA31	0.050	B	3SB32 53-0AA31-0CC0	0.050		
	Green ¹⁾	1 NO	▶	3SB32 53-0AA41	0.050	B	3SB32 53-0AA41-0CC0	0.050		
	Blue ¹⁾	1 NO	B	3SB32 53-0AA51	0.050	B	3SB32 53-0AA51-0CC0	0.050		
	White	1 NO	B	3SB32 53-0AA61	0.060	B	3SB32 53-0AA61-0CC0	0.050		
	Clear ¹⁾	1 NO	▶	3SB32 53-0AA71	0.050	B	3SB32 53-0AA71-0CC0	0.050		
230 AC	Red ¹⁾	1 NO + 1 NC	B	3SB32 55-0AA21	0.060	B	3SB32 55-0AA21-0CC0	0.060		
	Yellow ¹⁾	1 NO + 1 NC	B	3SB32 55-0AA31	0.060	B	3SB32 55-0AA31-0CC0	0.060		
	Green ¹⁾	1 NO + 1 NC	B	3SB32 55-0AA41	0.060	B	3SB32 55-0AA41-0CC0	0.060		
	Blue ¹⁾	1 NO + 1 NC	B	3SB32 55-0AA51	0.060	B	3SB32 55-0AA51-0CC0	0.060		
	White	1 NO + 1 NC	B	3SB32 55-0AA61	0.060	B	3SB32 55-0AA61-0CC0	0.060		
	Clear ¹⁾	1 NO + 1 NC	B	3SB32 55-0AA71	0.060	B	3SB32 55-0AA71-0CC0	0.060		

¹⁾ Inscription is possible by inserting a label.

3SB3 Pushbuttons and Indicator Lights, 22 mm Actuators and Indicators, Plastic, Round, 22 mm

Complete units

PU (UNIT) = 1
PS* = 1 UNIT
PG = 102

Color of handle	Contacts for front plate mounting	DT	Screw terminals			Spring-type terminals		
			Order No.	Price per PU	Weight per PU approx. kg	Order No.	Price per PU	Weight per PU approx. kg
Pushbutton								
 <p>Illuminated pushbutton with flat button</p>	Illuminated pushbuttons with flat button With BA 9s lampholder, without lamp (including holder for 3 elements)							
	Red ¹⁾	1 NC	B	3SB32 07-0AA21	0.050	B	3SB32 07-0AA21-0CC0	0.050
	Yellow ¹⁾	1 NO	B	3SB32 06-0AA31	0.050	B	3SB32 06-0AA31-0CC0	0.050
	Green ¹⁾	1 NO	B	3SB32 06-0AA41	0.050	B	3SB32 06-0AA41-0CC0	0.050
	Blue ¹⁾	1 NO	B	3SB32 06-0AA51	0.050	B	3SB32 06-0AA51-0CC0	0.050
	White	1 NO	B	3SB32 06-0AA61	0.050	B	3SB32 06-0AA61-0CC0	0.050
	Clear ¹⁾	1 NO	B	3SB32 06-0AA71	0.050	B	3SB32 06-0AA71-0CC0	0.050
	Red ¹⁾	1 NO + 1 NC	B	3SB32 05-0AA21	0.060	B	3SB32 05-0AA21-0CC0	0.060
	Yellow ¹⁾	1 NO + 1 NC	B	3SB32 05-0AA31	0.060	B	3SB32 05-0AA31-0CC0	0.060
	Green ¹⁾	1 NO + 1 NC	B	3SB32 05-0AA41	0.060	B	3SB32 05-0AA41-0CC0	0.060
	Blue ¹⁾	1 NO + 1 NC	B	3SB32 05-0AA51	0.060	B	3SB32 05-0AA51-0CC0	0.060
	White	1 NO + 1 NC	B	3SB32 05-0AA61	0.060	B	3SB32 05-0AA61-0CC0	0.060
	Clear ¹⁾	1 NO + 1 NC	B	3SB32 05-0AA71	0.060	B	3SB32 05-0AA71-0CC0	0.060
	Mushroom pushbuttons							
 <p>Mushroom push-pull button</p>	Mushroom push-pull buttons, Ø 40 mm, latching, with pull-to-unlatch mechanism							
	Red	1 NC	▶	3SB32 03-1CA21	0.050	B	3SB32 03-1CA21-0CC0	0.050
		1 NO + 1 NC	B	3SB32 01-1CA21	0.060	B	3SB32 01-1CA21-0CC0	0.060



¹⁾ Inscription is possible by inserting a label.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Plastic, Round, 22 mm

Complete units

PU (UNIT) = 1
 PS* = 1 UNIT
 PG = 102

Version	Color of handle/ Lock No.	Contacts for front plate mounting	DT	Screw terminals 	Weight per PU approx.	DT	Spring-type terminals 	Weight per PU approx.	
				Order No.	Price per PU	kg	Order No.	Price per PU	kg

Selector switches



Selector switches

Selector switches, 2 switch positions Switching sequence O-I, 50° operating angle								
Latching	Black	1 NO	▶	3SB32 02-2KA11	0.040	B	3SB32 02-2KA11-0CC0	0.040
		1 NO + 1 NC	B	3SB32 01-2KA11	0.050	B	3SB32 01-2KA11-0CC0	0.050
Selector switches, 2 switch positions Switching sequence O-I, 90° operating angle								
Latching	Black	1 NO	B	3SB32 02-2HA11	0.040	--		
		1 NO + 1 NC	B	3SB32 01-2HA11	0.050	--		
Selector switches, 3 switch positions switching sequence I-O-II, 2 x 50° operating angle								
Latching	Black	1 NO, 1 NO	▶	3SB32 10-2DA11	0.070	B	3SB32 10-2DA11-0CC0	0.070
		1 NO + 1 NC, 1 NO + 1 NC	B	3SB32 08-2DA11	0.070	B	3SB32 08-2DA11-0CC0	0.070
Momentary contact type	Black	1 NO, 1 NO	B	3SB32 10-2EA11	0.070	B	3SB32 10-2EA11-0CC0	0.070
		1 NO + 1 NC, 1 NO + 1 NC	B	3SB32 08-2EA11	0.070	C	3SB32 08-2EA11-0CC0	0.070

Key-operated switches



RONIS key-operated switch

RONIS key-operated switches, 2 switch positions With 2 keys, removal position O + I, switching sequence O-I, 50° operating angle								
Latching	SB 30	1 NO	▶	3SB32 02-4AD11	0.070	B	3SB32 02-4AD11-0CC0	0.070
		1 NO + 1 NC	B	3SB32 01-4AD11	0.080	B	3SB32 01-4AD11-0CC0	0.080

Twin pushbuttons



Twin pushbuttons with flat buttons



Twin pushbuttons, with flat, square buttons¹⁾ With I/O inscription				3SB31 00-8AC61	0.070	--		
---	--	--	--	-----------------------	-------	----	--	--

¹⁾ Accessories for twin pushbuttons, see page 9/38.

3SB3 Pushbuttons and Indicator Lights, 22 mm Actuators and Indicators, Plastic, Round, 22 mm

Complete units

PU (UNIT) = 1
PS* = 1 UNIT
PG = 102

Color of handle	Contacts for front plate mounting	DT	Screw terminals		Weight per PU approx.	DT	Spring-type terminals		Weight per PU approx.		
			Order No.	Price per PU	kg				Order No.	Price per PU	kg



EMERGENCY-STOP devices acc. to ISO 13850, with yellow name plate, Ø 80 mm, with inscription





With rotate-to-unlatch mechanism

EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with positive latching function, with rotate-to-unlatch mechanism

• English inscription "EMERGENCY STOP"

Red 1 NC  ¹⁾ B **3SB32 03-1HR20**
Red 1 NO + 1 NC  ¹⁾ B **3SB32 01-1HR20**

• French inscription "ARRET D'URGENCE"

Red 1 NC  ¹⁾ B **3SB32 03-1HP20**
Red 1 NO + 1 NC  ¹⁾ B **3SB32 01-1HP20**

• German inscription "NOT-HALT"



Red 1 NC  ¹⁾ ▶ **3SB32 03-1HA20** 0.070 B **3SB32 03-1HA20-0CC0** 0.070
Red 1 NO + 1 NC  ¹⁾ B **3SB32 01-1HA20** 0.080 B **3SB32 01-1HA20-0CC0** 0.080



With rotate-to-unlatch mechanism and switch position indication

With rotate-to-unlatch mechanism and mechanical switch position indication

• English inscription "EMERGENCY STOP"

Red 1 NC  ¹⁾ B **3SB32 03-1HR26** 0.070 --
Red 1 NO + 1 NC  ¹⁾ B **3SB32 01-1HR26** 0.080 --

• German inscription "NOT-HALT"



Red 1 NC  ¹⁾ B **3SB32 03-1HA26** 0.070 B **3SB32 03-1HA26-0CC0** 0.070
Red 1 NO + 1 NC  ¹⁾ B **3SB32 01-1HA26** 0.080 B **3SB32 01-1HA26-0CC0** 0.080



With pull-to-unlatch mechanism

With pull-to-unlatch mechanism

• English inscription "EMERGENCY STOP"

Red 1 NC  ¹⁾ B **3SB32 03-1TR20** 0.070 --
Red 1 NO + 1 NC  ¹⁾ B **3SB32 01-1TR20** 0.080 --

• German inscription "NOT-HALT"

Red 1 NC  ¹⁾ B **3SB32 03-1TA20** 0.060 --
Red 1 NO + 1 NC  ¹⁾ B **3SB32 01-1TA20** 0.050 --

¹⁾ Positive opening according to IEC 60947-5-1, Appendix K. Can be used with 3TK28 safety relays. Certificate:





3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Plastic, Round, 22 mm

Complete units

PU (UNIT) = 1
 PS* = 1 UNIT
 PG = 102

Rated voltage of lamp	Color of lens	DT	Screw terminals		Weight per PU approx.	DT	Spring-type terminals		Weight per PU approx.	
V			Order No.		Price per PU	kg	Order No.		Price per PU	kg

Indicator lights



Indicator light with smooth lens

Indicator lights, with smooth lens ¹⁾										
With integrated LED										
24 AC/DC	Red	▶	3SB32 44-6AA20		0.040	B	3SB32 44-6AA20-0CC0		0.040	
	Yellow	B	3SB32 44-6AA30		0.040	B	3SB32 44-6AA30-0CC0		0.040	
	Green	▶	3SB32 44-6AA40		0.040	B	3SB32 44-6AA40-0CC0		0.040	
	Blue	B	3SB32 44-6AA50		0.040	B	3SB32 44-6AA50-0CC0		0.040	
	White	B	3SB32 44-6AA60		0.040	B	3SB32 44-6AA60-0CC0		0.040	
	Clear	▶	3SB32 44-6AA70		0.040	B	3SB32 44-6AA70-0CC0		0.040	
110 AC	Red	B	3SB32 48-6AA20		0.040		--			
	Yellow	B	3SB32 48-6AA30		0.040		--			
	Green	B	3SB32 48-6AA40		0.040		--			
	Blue	B	3SB32 48-6AA50		0.040		--			
	White	B	3SB32 48-6AA60		0.040		--			
Clear	B	3SB32 48-6AA70		0.040		--				
230 AC	Red	▶	3SB32 52-6AA20		0.040	B	3SB32 52-6AA20-0CC0		0.040	
	Yellow	B	3SB32 52-6AA30		0.040	B	3SB32 52-6AA30-0CC0		0.040	
	Green	▶	3SB32 52-6AA40		0.040	B	3SB32 52-6AA40-0CC0		0.040	
	Blue	B	3SB32 52-6AA50		0.040	B	3SB32 52-6AA50-0CC0		0.040	
	White	B	3SB32 52-6AA60		0.040	B	3SB32 52-6AA60-0CC0		0.040	
	Clear	▶	3SB32 52-6AA70		0.040	B	3SB32 52-6AA70-0CC0		0.040	
With BA 9s lampholder, without lamp										
--	Red	B	3SB32 04-6AA20		0.040	B	3SB32 04-6AA20-0CC0		0.040	
	Yellow	B	3SB32 04-6AA30		0.040	B	3SB32 04-6AA30-0CC0		0.040	
	Green	B	3SB32 04-6AA40		0.040	B	3SB32 04-6AA40-0CC0		0.040	
	Blue	B	3SB32 04-6AA50		0.040	B	3SB32 04-6AA50-0CC0		0.040	
	White	B	3SB32 04-6AA60		0.040	B	3SB32 04-6AA60-0CC0		0.040	
	Clear	B	3SB32 04-6AA70		0.040	B	3SB32 04-6AA70-0CC0		0.040	




Indicator lights with lens with concentric rings

Indicator lights with lens with concentric rings ¹⁾										
With integrated LED										
24 AC/DC	Red	▶	3SB32 44-6BA20		0.040	B	3SB32 44-6BA20-0CC0		0.040	
	Yellow	B	3SB32 44-6BA30		0.040	B	3SB32 44-6BA30-0CC0		0.040	
	Green	▶	3SB32 44-6BA40		0.040	B	3SB32 44-6BA40-0CC0		0.040	
	Blue	B	3SB32 44-6BA50		0.040	B	3SB32 44-6BA50-0CC0		0.040	
	White	B	3SB32 44-6BA60		0.040	B	3SB32 44-6BA60-0CC0		0.040	
	Clear	▶	3SB32 44-6BA70		0.040	B	3SB32 44-6BA70-0CC0		0.040	
110 AC	Red	B	3SB32 48-6BA20		0.040		--			
	Yellow	B	3SB32 48-6BA30		0.040		--			
	Green	B	3SB32 48-6BA40		0.040		--			
	Blue	B	3SB32 48-6BA50		0.040		--			
	White	B	3SB32 48-6BA60		0.040		--			
	Clear	B	3SB32 48-6BA70		0.040		--			
230 AC	Red	▶	3SB32 52-6BA20		0.040	B	3SB32 52-6BA20-0CC0		0.040	
	Yellow	B	3SB32 52-6BA30		0.040	B	3SB32 52-6BA30-0CC0		0.040	
	Green	▶	3SB32 52-6BA40		0.040	B	3SB32 52-6BA40-0CC0		0.040	
	Blue	B	3SB32 52-6BA50		0.040	B	3SB32 52-6BA50-0CC0		0.040	
	White	B	3SB32 52-6BA60		0.040	B	3SB32 52-6BA60-0CC0		0.040	
	Clear	▶	3SB32 52-6BA70		0.040	B	3SB32 52-6BA70-0CC0		0.040	
With BA 9s lampholder, without lamp										
--	Amber	B	3SB32 04-6BA00		0.040		--			
	Red	B	3SB32 04-6BA20		0.040	B	3SB32 04-6BA20-0CC0		0.040	
	Yellow	B	3SB32 04-6BA30		0.040	B	3SB32 04-6BA30-0CC0		0.040	
	Green	B	3SB32 04-6BA40		0.040	B	3SB32 04-6BA40-0CC0		0.040	
	Blue	B	3SB32 04-6BA50		0.040	B	3SB32 04-6BA50-0CC0		0.040	
	White	B	3SB32 04-6BA60		0.040	B	3SB32 04-6BA60-0CC0		0.040	
	Clear	B	3SB32 04-6BA70		0.040	B	3SB32 04-6BA70-0CC0		0.040	
With BA 9s lampholder, with LED										
130 AC	Amber	B	3SB32 40-6BA00		0.039		--			
	Red	B	3SB32 40-6BA20		0.040		--			
	Yellow	B	3SB32 40-6BA30		0.039		--			
	Green	B	3SB32 40-6BA40		0.040		--			
	Blue	B	3SB32 40-6BA50		0.039		--			
	White	B	3SB32 40-6BA60		0.039		--			
	Clear	B	3SB32 40-6BA70		0.040		--			

¹⁾ Inscription by inserting a label is not possible.

3SB3 Pushbuttons and Indicator Lights, 22 mm Actuators and Indicators, Plastic, Round, 22 mm

Complete units

Version	Rated voltage of lamp	Color of lens	DT	Screw terminals 	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
V				Order No.	Price per PU		kg	

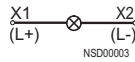
Signaling devices



Acoustic signaling device

Acoustic signaling devices, IP65¹⁾

Continuous tone	24 AC/DC	Black	A
2.4 kHz,	115 AC/DC		B
operational current	230 AC/DC		A
min. 4 mA,			
sound pressure			
min. 80 dB/10 cm			



3SB32 33-7BA10	1	1 unit	102	0.042
3SB32 34-7BA10	1	1 unit	102	0.042
3SB32 35-7BA10	1	1 unit	102	0.040

¹⁾ Mounting in 3SB38 enclosure only with 3SB34 00-1A lampholder; not possible with 3SB34 20-1A lampholder for floor mounting.

Version	Degree of protection	Color of handle	DT	Without connection	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
				Order No.	Price per PU		kg	

Special devices



Potentiometer drive

Actuators for potentiometers²⁾³⁾

With shaft Ø 6 mm,	IP65		B
30 ... 32 mm long			

3SB10 00-7CH07	1	1 unit	102	0.030
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Pushbuttons with 12 mm stroke

Pushbuttons with extended stroke²⁾ for actuating relays

12 mm stroke	IP65	Black	B
--------------	------	-------	---

3SB30 00-0EA11	1	1 unit	102	0.020
-----------------------	---	--------	-----	-------

²⁾ Mounting in 3SB38 enclosure is not possible.

³⁾ The potentiometer is not included in the scope of supply.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Plastic, Round, 22 mm

Coordinate switches, complete

Overview



Joystick switches control auxiliary circuits permitting movements in various directions of machines and equipment.

The switches are designed for front panel mounting. They are climate-proof.

Operation

The 3SB14 00-0J contact block is used, which due to its depth cannot be built into 3SB38 enclosures.

Switches are available as follows:

- With 2 or 4 switch positions
- Latching or momentary contact type
- With or without mechanical interlocking

In the case of switches with mechanical interlock in O position, the switch is unlatched with the unlatching button at the front of the actuating lever.

Inscriptions

A name plate consisting of a black, plastic label holder and two or four adhesive, silver-colored inscription labels of 27 mm x 27 mm in size is available for labeling purposes. These labels can be supplied with and without customized inscription.

Note mounting dimensions!

Selection and ordering data

Version	Operating travel	DT	Screw terminals	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	<input type="checkbox"/> Contact closed <input type="checkbox"/> Contact open						
			Order No.	Price per PU			kg

Coordinate switches

2 switch positions, 1 NO per direction

Horizontal, momentary contact type



Without mechanical locking in the O position

- With plastic front ring, black
- With metal front ring

With mechanical locking in the O position

- With plastic front ring, black
- With metal front ring

Vertical, momentary contact type



Without mechanical locking in the O position

- With plastic front ring, black
- With metal front ring

With mechanical locking in the O position

- With plastic front ring, black
- With metal front ring



Coordinate switch, 2 switch positions

B	3SB12 01-7DV01	1	1 unit	102	0.110
B	3SB12 01-7DV20	1	1 unit	102	0.110
B	3SB12 01-7DW01	1	1 unit	102	0.110
B	3SB12 01-7DW20	1	1 unit	102	0.110
B	3SB12 01-7FV01	1	1 unit	102	0.110
B	3SB12 01-7FV20	1	1 unit	102	0.110
B	3SB12 01-7FW01	1	1 unit	102	0.110
B	3SB12 01-7FW20	1	1 unit	102	0.110

3SB3 Pushbuttons and Indicator Lights, 22 mm Actuators and Indicators, Plastic, Round, 22 mm

Coordinate switches, complete

Version	Operating travel	DT	Screw terminals	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	<input type="checkbox"/> Contact closed <input type="checkbox"/> Contact open						
		Order No.	Price per PU				kg

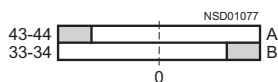
Coordinate switches

2 switch positions, 1 NO per direction



Coordinate switch, 2 switch positions

Horizontal, latching



Without mechanical locking in the O position

- With plastic front ring, black
- With metal front ring

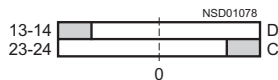
B	3SB12 01-7EV01	1	1 unit	102	0.110
B	3SB12 01-7EV20	1	1 unit	102	0.110

With mechanical locking in the O position

- With plastic front ring, black
- With metal front ring

B	3SB12 01-7EW01	1	1 unit	102	0.110
B	3SB12 01-7EW20	1	1 unit	102	0.110

Vertical, latching



Without mechanical locking in the O position

- With plastic front ring, black
- With metal front ring

B	3SB12 01-7GV01	1	1 unit	102	0.110
B	3SB12 01-7GV20	1	1 unit	102	0.110

With mechanical locking in the O position

- With plastic front ring, black
- With metal front ring

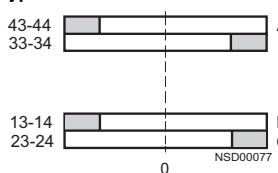
B	3SB12 01-7GW01	1	1 unit	102	0.110
B	3SB12 01-7GW20	1	1 unit	102	0.110

4 switch positions, 1 NO per direction

Momentary contact type



Coordinate switch, 4 switch positions



Without mechanical locking in the O position

- With plastic front ring, black
- With metal front ring

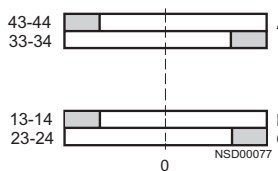
B	3SB12 08-7JV01	1	1 unit	102	0.124
B	3SB12 08-7JV20	1	1 unit	102	0.133

With mechanical locking in the O position

- With plastic front ring, black
- With metal front ring

B	3SB12 08-7JW01	1	1 unit	102	0.128
B	3SB12 08-7JW20	1	1 unit	102	0.130

Latching



Without mechanical locking in the O position

- With plastic front ring, black
- With metal front ring

B	3SB12 08-7KV01	1	1 unit	102	0.129
B	3SB12 08-7KV20	1	1 unit	102	0.132

With mechanical locking in the O position

- With plastic front ring, black
- With metal front ring

B	3SB12 08-7KW01	1	1 unit	102	0.127
B	3SB12 08-7KW20	1	1 unit	102	0.129




* You can order this quantity or a multiple thereof.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Plastic, Round, 22 mm

Coordinate switches, complete

Accessories

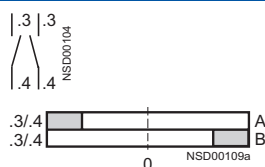
Version	Symbols/ operating travel	DT	Screw terminals 	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Contact blocks	 Contact closed  Contact open						
			Order No.	Price per PU			kg

Spare contact blocks



3SB14 00-0J

**Contact blocks
with 2 contacts**
1 NO, 1 NO
(in scope of supply of switch)



Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	C	3SB14 00-0J		1	1 unit	102	0.020

Name plates



3SB19 06-0AV

Label holders for joystick switches

2 switch positions, horizontal,
89 mm × 30 mm

2 switch positions, vertical,
30 mm × 89 mm

4 switch positions

Inscription labels 27 mm × 27 mm, silver-colored, for sticking in place

Without inscription

With inscription (engraved)

- Text lines (up to 5 lines each with 11 characters)
- Graphic symbol with number acc. to ISO 7000 or IEC 60417
- Any inscription or symbol

3SB19 06-0AW



Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	B	3SB19 06-0AU		1	1 unit	102	0.003
	B	3SB19 06-0AV		1	1 unit	102	0.003
	B	3SB19 06-0AW		1	1 unit	102	0.006
	B	3SB19 06-2AA		100	10 units	102	0.100
	D	3SB19 06-2XZ					
	D	K0Y, K1Y, K2Y, or K5Y		1	1 unit	102	0.001
	D	K3Y		1	1 unit	102	0.001
	D	K9Y		1	1 unit	102	0.001

For black plastic labels, see page 9/72.

Options

Customized inscriptions

These labeling plates can be inscribed with text or symbols. 5 lines with 11 characters each in a letter height of 4 mm are possible.

Ordering notes

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 out"): **K0Y**
- Text line(s) in upper case (e. g. "LIFT OUT"): **K1Y**
- Text line(s) in lower case (e. g. "lift out"): **K2Y**
- Text line(s) in upper/lower case, all words begin with upper case letters (e. g. "Lift Out"): **K5Y**
- Symbol with number according to ISO 7000 or IEC 60417: **K3Y**
- Any inscription or symbol 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.

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.

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

Ordering example

A label inscribed with symbol No. 1117 according to ISO 7000 is required:

3SB19 06-2XZ
K3Y
Z = 1117 ISO

For other ordering examples see page 9/74.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Plastic, Round, 22 mm

Actuators and indicators

Selection and ordering data

Version	Inscriptions	Color of handle	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Pushbuttons with holder¹⁾										
	Pushbuttons with flat button	Black	▶	3SB30 00-0AA11		1	1 unit	102	0.025	
		Red	▶	3SB30 00-0AA21		1	1 unit	102	0.025	
		Yellow	B	3SB30 00-0AA31		1	1 unit	102	0.025	
		Green	▶	3SB30 00-0AA41		1	1 unit	102	0.025	
		Blue	B	3SB30 00-0AA51		1	1 unit	102	0.025	
		White	▶	3SB30 00-0AA61		1	1 unit	102	0.025	
		Gray	B	3SB30 00-0AB51		1	1 unit	102	0.025	
		Clear ²⁾	B	3SB30 00-0AA71		1	1 unit	102	0.025	
		I	Green	B	3SB30 00-0AA81		1	1 unit	102	0.025
		O	Red	B	3SB30 00-0AB01		1	1 unit	102	0.025
	Pushbuttons with raised button	I	White	B	3SB30 00-0AB11		1	1 unit	102	0.025
		O	Black	B	3SB30 00-0AB21		1	1 unit	102	0.025
		R	Blue	B	3SB30 00-0AC81		1	1 unit	102	0.025
		Black	B	3SB30 00-0BA11		1	1 unit	102	0.025	
		Red	B	3SB30 00-0BA21		1	1 unit	102	0.025	
		Yellow	B	3SB30 00-0BA31		1	1 unit	102	0.025	
		Green	B	3SB30 00-0BA41		1	1 unit	102	0.025	
		Blue	B	3SB30 00-0BA51		1	1 unit	102	0.025	
		White	B	3SB30 00-0BA61		1	1 unit	102	0.025	
			Pushbuttons with raised button, latching by pressing in and turning to the right, unlatches by turning to the left	Black	▶	3SB30 00-0CA11		1	1 unit	102
Red	B			3SB30 00-0CA21		1	1 unit	102	0.030	
	Pushbuttons with raised front ring (height 13 mm)	Black	B	3SB30 00-0AA12		1	1 unit	102	0.025	
		Red	B	3SB30 00-0AA22		1	1 unit	102	0.025	
		Yellow	B	3SB30 00-0AA32		1	1 unit	102	0.025	
		Green	B	3SB30 00-0AA42		1	1 unit	102	0.025	
		Blue	B	3SB30 00-0AA52		1	1 unit	102	0.025	
	Pushbuttons with raised front ring, castellated (height 13 mm)	White	B	3SB30 00-0AA62		1	1 unit	102	0.025	
		Black	B	3SB30 00-0AA13		1	1 unit	102	0.025	
		Red	B	3SB30 00-0AA23		1	1 unit	102	0.025	
		Yellow	B	3SB30 00-0AA33		1	1 unit	102	0.025	
		Green	B	3SB30 00-0AA43		1	1 unit	102	0.025	
	Illuminated pushbuttons with flat button (including holder for 3 elements)	Amber ²⁾	C	3SB30 01-0AA01		1	1 unit	102	0.025	
		Red ²⁾	▶	3SB30 01-0AA21		1	1 unit	102	0.025	
		Yellow ²⁾	▶	3SB30 01-0AA31		1	1 unit	102	0.025	
		Green ²⁾	▶	3SB30 01-0AA41		1	1 unit	102	0.025	
		Blue ²⁾	B	3SB30 01-0AA51		1	1 unit	102	0.025	
		White	B	3SB30 01-0AA61		1	1 unit	102	0.025	
		Clear ²⁾	▶	3SB30 01-0AA71		1	1 unit	102	0.025	
	Illuminated pushbuttons with raised button (including holder for 3 elements)	Red	B	3SB30 01-0BA21		1	1 unit	102	0.025	
		Yellow	B	3SB30 01-0BA31		1	1 unit	102	0.025	
		Green	B	3SB30 01-0BA41		1	1 unit	102	0.025	
		Blue	B	3SB30 01-0BA51		1	1 unit	102	0.025	
		Clear	B	3SB30 01-0BA71		1	1 unit	102	0.025	
	Pushbuttons with flat button, latching , unlatches by pressing again	Black	B	3SB30 00-0DA11		1	1 unit	102	0.025	
		Red	B	3SB30 00-0DA21		1	1 unit	102	0.025	
		Yellow	B	3SB30 00-0DA31		1	1 unit	102	0.025	
		Green	B	3SB30 00-0DA41		1	1 unit	102	0.026	
		Blue	B	3SB30 00-0DA51		1	1 unit	102	0.025	
		White	B	3SB30 00-0DA61		1	1 unit	102	0.025	
		Gray	C	3SB30 00-0DB51		1	1 unit	102	0.075	
	Illuminated pushbuttons with raised button, latching , unlatches by pressing again, (including holder for 3 elements)	Red ²⁾	B	3SB30 01-0DA21		1	1 unit	102	0.025	
		Yellow ²⁾	B	3SB30 01-0DA31		1	1 unit	102	0.025	
		Green ²⁾	B	3SB30 01-0DA41		1	1 unit	102	0.025	
		Blue ²⁾	B	3SB30 01-0DA51		1	1 unit	102	0.025	
		White	B	3SB30 01-0DA61		1	1 unit	102	0.025	
Clear ²⁾	B	3SB30 01-0DA71		1	1 unit	102	0.025			






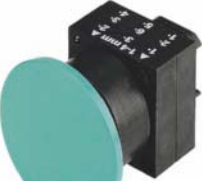
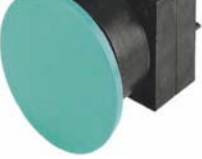


¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

²⁾ Inscription is possible by inserting a label.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Plastic, Round, 22 mm

Actuators and indicators

Version	Color of handle	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Mushroom pushbuttons with holder¹⁾²⁾								
	Mushroom pushbuttons, Ø 30 mm	Black	B	3SB30 00-1DA11		1	1 unit	102 0.035
		Red	B	3SB30 00-1DA21		1	1 unit	102 0.035
		Yellow	B	3SB30 00-1DA31		1	1 unit	102 0.035
		Green	B	3SB30 00-1DA41		1	1 unit	102 0.035
	Mushroom pushbuttons, Ø 40 mm	Black	▶	3SB30 00-1GA11		1	1 unit	102 0.035
		Red	▶	3SB30 00-1GA21		1	1 unit	102 0.035
		Yellow	B	3SB30 00-1GA31		1	1 unit	102 0.035
		Green	B	3SB30 00-1GA41		1	1 unit	102 0.035
	Mushroom pushbuttons, Ø 60 mm	Black	B	3SB30 00-1QA11		1	1 unit	102 0.040
		Red	B	3SB30 00-1QA21		1	1 unit	102 0.040
		Yellow	B	3SB30 00-1QA31		1	1 unit	102 0.040
		Green	B	3SB30 00-1QA41		1	1 unit	102 0.040
	Illuminated mushroom pushbuttons, Ø 30 mm (including holder for 3 elements)	Red	B	3SB30 01-1DA21		1	1 unit	102 0.050
		Yellow	B	3SB30 01-1DA31		1	1 unit	102 0.050
		Green	B	3SB30 01-1DA41		1	1 unit	102 0.050
		Blue	B	3SB30 01-1DA51		1	1 unit	102 0.050
		White	B	3SB30 01-1DA61		1	1 unit	102 0.050
		Clear	B	3SB30 01-1DA71		1	1 unit	102 0.050
	Illuminated mushroom pushbuttons, Ø 40 mm (including holder for 3 elements)	Yellow	B	3SB30 01-1GA31		1	1 unit	102 0.035
		Green	B	3SB30 01-1GA41		1	1 unit	102 0.035
		White	B	3SB30 01-1GA61		1	1 unit	102 0.035
	Push-pull buttons, Ø 30 mm, latching, pull to unlatch	Black	B	3SB30 00-1EA11		1	1 unit	102 0.030
		Red	B	3SB30 00-1EA21		1	1 unit	102 0.030
	Push-pull buttons, Ø 40 mm, latching, pull to unlatch	Black	▶	3SB30 00-1CA11		1	1 unit	102 0.035
		Red	▶	3SB30 00-1CA21		1	1 unit	102 0.035
	Push-pull buttons, Ø 60 mm, latching, pull to unlatch	Black	B	3SB30 00-1RA11		1	1 unit	102 0.050
		Red	B	3SB30 00-1RA21		1	1 unit	102 0.050
	Push-pull buttons, Ø 30 mm, can be illuminated, latching, pull to unlatch, (including holder for 3 elements)	Red	B	3SB30 01-1EA21		1	1 unit	102 0.035
		Yellow	B	3SB30 01-1EA31		1	1 unit	102 0.035
		Green	B	3SB30 01-1EA41		1	1 unit	102 0.035
		Blue	B	3SB30 01-1EA51		1	1 unit	102 0.035
		Clear	B	3SB30 01-1EA71		1	1 unit	102 0.035
Push-pull buttons, Ø 40 mm, can be illuminated, latching, pull to unlatch, (including holder for 3 elements)		Red	B	3SB30 01-1CA21		1	1 unit	102 0.035
		Yellow	B	3SB30 01-1CA31		1	1 unit	102 0.035
		Green	B	3SB30 01-1CA41		1	1 unit	102 0.035
		Blue	B	3SB30 01-1CA51		1	1 unit	102 0.035
		Clear	B	3SB30 01-1CA71		1	1 unit	102 0.035

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".





²⁾ Maximum permissible equipment: 3 single-pole or 2 double-pole contact blocks. When using the 3SB39 01-0AB holder, the central command point must not be empty.

* You can order this quantity or a multiple thereof.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Plastic, Round, 22 mm

Actuators and indicators

Version	Version Illumination	Color of handle	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Selector switches with holder¹⁾										
Selector switches with 2 switch positions										
	Switching sequence O-I, 90° operating angle, latching	Non-illuminated	Black	B	3SB30 00-2HA11		1	1 unit	102	0.028
			Red	B	3SB30 00-2HA21		1	1 unit	102	0.028
			Green	B	3SB30 00-2HA41		1	1 unit	102	0.028
			White	B	3SB30 00-2HA61		1	1 unit	102	0.028
	Switching sequence O-I, 50° operating angle, latching	Non-illuminated	Black	▶	3SB30 00-2KA11		1	1 unit	102	0.030
			Red	B	3SB30 00-2KA21		1	1 unit	102	0.030
			Green	B	3SB30 00-2KA41		1	1 unit	102	0.030
			White	B	3SB30 00-2KA61		1	1 unit	102	0.030
	Illuminated (including holder for 3 elements)	Red	B	3SB30 01-2KA21		1	1 unit	102	0.030	
		Yellow	B	3SB30 01-2KA31		1	1 unit	102	0.030	
		Green	B	3SB30 01-2KA41		1	1 unit	102	0.030	
		Blue	B	3SB30 01-2KA51		1	1 unit	102	0.030	
		Clear	B	3SB30 01-2KA71		1	1 unit	102	0.030	
		Switching sequence O-I, 50° operating angle, momentary contact type	Non-illuminated	Black		▶	3SB30 00-2LA11		1	1 unit
Red	B			3SB30 00-2LA21	1	1 unit	102		0.030	
Green	B			3SB30 00-2LA41	1	1 unit	102		0.030	
White	B			3SB30 00-2LA61	1	1 unit	102		0.030	
Illuminated (including holder for 3 elements)	Red	B	3SB30 01-2LA21		1	1 unit	102	0.030		
	Yellow	B	3SB30 01-2LA31		1	1 unit	102	0.030		
	Green	B	3SB30 01-2LA41		1	1 unit	102	0.030		
	Blue	B	3SB30 01-2LA51		1	1 unit	102	0.030		
	Clear	B	3SB30 01-2LA71		1	1 unit	102	0.030		
	Selector switches with 3 switch positions									
	Switching sequence I-O-II, 2 x 50° operating angle, latching	Non-illuminated	Black	▶	3SB30 00-2DA11		1	1 unit	102	0.030
			Red	B	3SB30 00-2DA21		1	1 unit	102	0.030
			Green	B	3SB30 00-2DA41		1	1 unit	102	0.030
			White	B	3SB30 00-2DA61		1	1 unit	102	0.030
	Illuminated (including holder for 3 elements)	Red	B	3SB30 01-2DA21		1	1 unit	102	0.030	
		Yellow	B	3SB30 01-2DA31		1	1 unit	102	0.030	
		Green	B	3SB30 01-2DA41		1	1 unit	102	0.030	
		Blue	B	3SB30 01-2DA51		1	1 unit	102	0.030	
		Clear	B	3SB30 01-2DA71		1	1 unit	102	0.030	
		Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type	Non-illuminated	Black		▶	3SB30 00-2EA11		1	1 unit
Red	B			3SB30 00-2EA21	1	1 unit	102		0.030	
Green	B			3SB30 00-2EA41	1	1 unit	102		0.030	
White	B			3SB30 00-2EA61	1	1 unit	102		0.030	
Illuminated (including holder for 3 elements)	Red	B	3SB30 01-2EA21		1	1 unit	102	0.030		
	Yellow	B	3SB30 01-2EA31		1	1 unit	102	0.030		
	Green	B	3SB30 01-2EA41		1	1 unit	102	0.030		
	Blue	B	3SB30 01-2EA51		1	1 unit	102	0.030		
	Clear	B	3SB30 01-2EA71		1	1 unit	102	0.030		
		Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type to the left, latching to the right	Non-illuminated		Black	▶	3SB30 00-2GA11		1	1 unit
Red				B	3SB30 00-2GA21	1	1 unit		102	0.030
Green				B	3SB30 00-2GA41	1	1 unit		102	0.030
White				B	3SB30 00-2GA61	1	1 unit		102	0.030
Illuminated (including holder for 3 elements)		Red	B	3SB30 01-2GA21		1	1 unit	102	0.030	
		Yellow	B	3SB30 01-2GA31		1	1 unit	102	0.030	
		Green	B	3SB30 01-2GA41		1	1 unit	102	0.030	
		Blue	B	3SB30 01-2GA51		1	1 unit	102	0.030	
		Clear	B	3SB30 01-2GA71		1	1 unit	102	0.030	
		Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type to the left, latching to the right	Non-illuminated	Black		B	3SB30 00-2FA11		1	1 unit
Red	B			3SB30 00-2FA21	1	1 unit	102		0.030	
Green	B			3SB30 00-2FA41	1	1 unit	102		0.030	
White	B			3SB30 00-2FA61	1	1 unit	102		0.030	
Illuminated (including holder for 3 elements)	Red	B	3SB30 01-2FA21		1	1 unit	102	0.030		
	Yellow	B	3SB30 01-2FA31		1	1 unit	102	0.030		
	Green	B	3SB30 01-2FA41		1	1 unit	102	0.030		
	Blue	C	3SB30 01-2FA51		1	1 unit	102	0.030		
	Clear	B	3SB30 01-2FA71		1	1 unit	102	0.030		

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Plastic, Round, 22 mm

Actuators and indicators

Version	Lock version			DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Type	Lock No./ color	Key removal position							

kg

Key-operated switches with holder¹⁾

Key-operated switches with 2 keys and 2 switch positions



RONIS key-operated switch

Switching sequence	RONIS	SB 30	O+I	B	3SB30 00-4HD11	1	1 unit	102	0.060
O-I,			O	B	3SB30 00-4HD01	1	1 unit	102	0.060
50° operating angle, latching			I	B	3SB30 00-4HD21	1	1 unit	102	0.060



CES key-operated switch

Switching sequence	RONIS	SB 30	O+I	▶	3SB30 00-4AD11	1	1 unit	102	0.060
O-I,			O	▶	3SB30 00-4AD01	1	1 unit	102	0.060
50° operating angle, latching			I	B	3SB30 00-4AD21	1	1 unit	102	0.060



	CES	SSG 10	O+I	▶	3SB30 00-4LD11	1	1 unit	102	0.140
			O	▶	3SB30 00-4LD01	1	1 unit	102	0.140
			I	B	3SB30 00-4LD21	1	1 unit	102	0.140

	LSG 1	O+I	O	B	3SB30 00-4LF01	1	1 unit	102	0.140
			O	B	3SB30 00-4LF11	1	1 unit	102	0.140

	CES with key monitoring ²⁾	SSG 10	O	C	3SB30 00-4LD05	1	1 unit	102	0.140
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	BKS	S1	O+I	B	3SB30 00-5AD11	1	1 unit	102	0.140
			O	B	3SB30 00-5AD01	1	1 unit	102	0.140
			I	B	3SB30 00-5AD21	1	1 unit	102	0.140

	E1 for VW ³⁾	O+I	O	B	3SB30 00-5AE01	1	1 unit	102	0.130
			O	B	3SB30 00-5AE11	1	1 unit	102	0.130

	E2 for VW ³⁾	O+I	O	B	3SB30 00-5AE21	1	1 unit	102	0.130
			O	B	3SB30 00-5AE31	1	1 unit	102	0.130

	E7 for VW ³⁾	O+I	O	B	3SB30 00-5AE41	1	1 unit	102	0.130
			O	B	3SB30 00-5AE51	1	1 unit	102	0.130

	E9 for VW ³⁾	O+I	O	B	3SB30 00-5AE61	1	1 unit	102	0.130
			O	B	3SB30 00-5AE71	1	1 unit	102	0.130

	O.M.R. ⁴⁾	73038	O+I	B	3SB30 00-3AG11	1	1 unit	102	0.130
		Light blue	O	B	3SB30 00-3AG01	1	1 unit	102	0.130

		73037	O+I	B	3SB30 00-3AH11	1	1 unit	102	0.130
		Red	O	B	3SB30 00-3AH01	1	1 unit	102	0.130

		73034	O+I	B	3SB30 00-3AJ11	1	1 unit	102	0.130
		Black	O	B	3SB30 00-3AJ01	1	1 unit	102	0.130

		73033	O+I	B	3SB30 00-3AK11	1	1 unit	102	0.130
		Yellow	O	B	3SB30 00-3AK01	1	1 unit	102	0.130

O.M.R. key-operated switch

Switching sequence	RONIS	SB 30	O	▶	3SB30 00-4BD01	1	1 unit	102	0.060
O-I,	CES	SSG 10	O	▶	3SB30 00-4MD01	1	1 unit	102	0.140
50° operating angle, momentary contact type		LSG 1	O	B	3SB30 00-4MF11	1	1 unit	102	0.150



	BKS	S1	O	B	3SB30 00-5BD01	1	1 unit	102	0.140
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	O.M.R. ⁴⁾	73038	O	B	3SB30 00-3BG01	1	1 unit	102	0.130
		Light blue							

		73037	O	B	3SB30 00-3BH01	1	1 unit	102	0.130
		Red							

		73034	O	B	3SB30 00-3BJ01	1	1 unit	102	0.130
		Black							

		73033	O	B	3SB30 00-3BK01	1	1 unit	102	0.130
		Yellow							

For BKS and CES special locks, see page 9/65.

- 1) Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".
- 2) For locks with key monitoring the supplied 3SB39 01-0AB holder must be used. The key scan is performed by a 3SB34 single-pole NC contact block which must be snap-mounted in the center position. Scanning of the switch positions must be performed by additional contact blocks which are snap-mounted on the actuator.
- 3) Keys are not included in scope of supply.
- 4) According to FIAT standards; also available for other users.

* You can order this quantity or a multiple thereof.











3SB3 Pushbuttons and Indicator Lights, 22 mm Actuators and Indicators, Plastic, Round, 22 mm

Actuators and indicators

Version	Lock version		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Type	Lock No./ color							

kg

Key-operated switches with holder¹⁾

		Version	Lock version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.		
 <p>RONIS key-operated switch</p>	<p>Key-operated switches with 2 keys and 3 switch positions</p> <p>Switching sequence I-O-II, 2 x 50° operating angle, latching</p> 	RONIS	SB 30	I+O+II	B	3SB30 00-4DD11	1	1 unit	102	0.060		
		O	B	3SB30 00-4DD01	1	1 unit	102	0.060				
		I+II	B	3SB30 00-4DD41	1	1 unit	102	0.060				
		I	B	3SB30 00-4DD21	1	1 unit	102	0.060				
		II	B	3SB30 00-4DD31	1	1 unit	102	0.060				
		O+I	B	3SB30 00-4DD51	1	1 unit	102	0.060				
		CES	SSG 10	I+O+II	B	3SB30 00-4PD11	1	1 unit	102	0.150		
		O	B	3SB30 00-4PD01	1	1 unit	102	0.150				
		O+I	B	3SB30 00-4PD51	1	1 unit	102	0.150				
		I+II	B	3SB30 00-4PD41	1	1 unit	102	0.150				
 <p>CES key-operated switch</p>	<p>Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type</p> 	CES with key monitoring ²⁾	SSG 10	O	C	3SB30 00-4PD05	1	1 unit	102	0.150		
		BKS	S1	I+O+II	B	3SB30 00-5DD11	1	1 unit	102	0.140		
		II	C	3SB30 00-5DD31	1	1 unit	102	0.140				
		O.M.R. ³⁾	73038	I+O+II	B	3SB30 00-3DG11	1	1 unit	102	0.130		
		Light blue	O	B	3SB30 00-3DG01	1	1 unit	102	0.130			
		73037	O	B	3SB30 00-3DH01	1	1 unit	102	0.130			
		Red	O+I	B	3SB30 00-3DH51	1	1 unit	102	0.130			
		73034	I+O+II	B	3SB30 00-3DJ11	1	1 unit	102	0.130			
		Black	O	B	3SB30 00-3DJ01	1	1 unit	102	0.130			
		73033	I+O+II	B	3SB30 00-3DK11	1	1 unit	102	0.130			
Yellow												
 <p>BKS key-operated switch</p>	<p>Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type</p> 	RONIS	SB 30	O	B	3SB30 00-4ED01	1	1 unit	102	0.060		
		CES	SSG 10	O	B	3SB30 00-4QD01	1	1 unit	102	0.140		
		BKS	S1	O	B	3SB30 00-5ED01	1	1 unit	102	0.140		
		O.M.R. ³⁾	73034	O	B	3SB30 00-3EJ01	1	1 unit	102	0.130		
		Black										
		 <p>O.M.R. key-operated switch</p>	<p>Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type to the left, latching to the right</p> 	RONIS	SB 30	O + II	B	3SB30 00-4GD61	1	1 unit	102	0.060
				O	B	3SB30 00-4GD01	1	1 unit	102	0.060		
				II	B	3SB30 00-4GD31	1	1 unit	102	0.060		
				CES	SSG 10	O + II	B	3SB30 00-4SD61	1	1 unit	102	0.140
				O	B	3SB30 00-4SD01	1	1 unit	102	0.140		
BKS	S1			O	B	3SB30 00-5GD01	1	1 unit	102	0.140		
 <p>Key-operated switch with 2 keys and 3 switch positions</p>	<p>Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type to the left, latching to the right</p> 			RONIS	SB 30	O+I	B	3SB30 00-4FD51	1	1 unit	102	0.060
				O	B	3SB30 00-4FD01	1	1 unit	102	0.060		
				I	B	3SB30 00-4FD21	1	1 unit	102	0.060		
				CES	SSG 10	O+I	B	3SB30 00-4RD51	1	1 unit	102	0.140
		O	B	3SB30 00-4RD01	1	1 unit	102	0.140				
		I	B	3SB30 00-4RD21	1	1 unit	102	0.140				
		BKS	S1	O+I	B	3SB30 00-5FD51	1	1 unit	102	0.140		
		O	B	3SB30 00-5FD01	1	1 unit	102	0.140				
		I	B	3SB30 00-5FD21	1	1 unit	102	0.140				
		O.M.R. ³⁾	73038	O	B	3SB30 00-3FG01	1	1 unit	102	0.130		
Light blue												
73034	I	B	3SB30 00-3FJ21	1	1 unit	102	0.130					
Black												

For BKS and CES special locks, see page 9/65.

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

²⁾ For locks with key monitoring the supplied 3SB39 01-0AB holder must be used. The key scan is performed by a 3SB34 single-pole NC contact block which must be snap-mounted in the center position. Scanning of the switch positions must be performed by additional contact blocks which are snap-mounted on the actuator.

³⁾ According to FIAT standards; also available for other users.

* You can order this quantity or a multiple thereof.













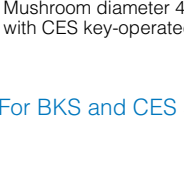



3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Plastic, Round, 22 mm

Actuators and indicators

Version	Color of handle	Approval	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
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EMERGENCY-STOP devices according to ISO 13850 and IEC 60947-5-5, with holder¹⁾²⁾. Can also be used with 3TK28 safety relays.

	EMERGENCY-STOP mushroom pushbuttons, Ø 32 mm, with positive latching acc. to ISO 13850, with rotate-to-unlatch mechanism	Red		B	3SB30 00-1FA20	1	1 unit	102	0.050
Mushroom diameter 32 mm									
	EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with positive latching acc. to ISO 13850, with rotate-to-unlatch mechanism	Red							
Mushroom diam. 40 mm, with rotate-to-unlatch mechanism with switch position indication	<ul style="list-style-type: none"> • Standard version • With mechanical switch position indication 								
				A	3SB30 00-1HA20 3SB30 00-1HA26	1 1	1 unit 1 unit	102 102	0.060 0.070
	EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with positive latching acc. to ISO 13850, with pull-to-unlatch mechanism	Red		B	3SB30 00-1TA20	1	1 unit	102	0.060
Mushroom diameter 40 mm, pull-to-unlatch mechanism									
	EMERGENCY-STOP mushroom pushbuttons, Ø 60 mm, with positive latching acc. to ISO 13850, with rotate-to-unlatch mechanism	Red		B	3SB30 00-1AA20	1	1 unit	102	0.080
Mushroom diameter 60 mm									
	EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with RONIS key-operated switches, lock No. SB 30, with positive latching acc. to ISO 13850, unlocking only possible using key	Red		B	3SB30 00-1BA20	1	1 unit	102	0.090
Mushroom diameter 40 mm, with RONIS key-operated switch									
	EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with CES lock, lock No. SSG 10, with positive latching acc. to ISO 13850, unlocking only possible using key	Red		B	3SB30 00-1KA20	1	1 unit	102	0.110
Mushroom diameter 40 mm, with CES key-operated switch									
	EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with BKS lock, lock No. S1, with positive latching acc. to ISO 13850, unlocking only possible using key	Red		B	3SB30 00-1LA20	1	1 unit	102	0.110
Mushroom diameter 40 mm, with CES key-operated switch									
	EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with O.M.R. key-operated switch, lock No. 73037, with positive latching acc. to ISO 13850, unlocking only possible using key	Red		B	3SB30 00-1MA20	1	1 unit	102	0.120
Mushroom diameter 40 mm, with CES key-operated switch									

For BKS and CES special locks, see page 9/65.

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

²⁾ The yellow backing plates must be ordered separately, see Accessories.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Plastic, Round, 22 mm

Actuators and indicators

Version	Color of lens	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
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Signaling elements with holder¹⁾



Indicator light with concentric rings

Indicator lights With smooth lens ²⁾	Amber	B	3SB30 01-6AA00		1	1 unit	102	0.020
	Red	▶	3SB30 01-6AA20		1	1 unit	102	0.020
	Yellow	B	3SB30 01-6AA30		1	1 unit	102	0.020
	Green	▶	3SB30 01-6AA40		1	1 unit	102	0.020
	Blue	B	3SB30 01-6AA50		1	1 unit	102	0.020
	White	B	3SB30 01-6AA60		1	1 unit	102	0.020
	Clear	▶	3SB30 01-6AA70		1	1 unit	102	0.020
Indicator lights With lens with concentric rings ²⁾	Amber	B	3SB30 01-6BA00		1	1 unit	102	0.020
	Red	B	3SB30 01-6BA20		1	1 unit	102	0.020
	Yellow	B	3SB30 01-6BA30		1	1 unit	102	0.020
	Green	B	3SB30 01-6BA40		1	1 unit	102	0.020
	Blue	B	3SB30 01-6BA50		1	1 unit	102	0.020
	White	B	3SB30 01-6BA60		1	1 unit	102	0.020
	Clear	B	3SB30 01-6BA70		1	1 unit	102	0.020



Acoustic signaling device

Acoustic signaling devices, IP40³⁾ For acoustic signal transformer 24 V DC ⁴⁾ (without BA 9s base)	Black	B	3SB30 00-7AA10		1	1 unit	102	0.025
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¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

²⁾ Inscription by inserting a label is not possible.

³⁾ For acoustic signaling devices, IP65, see Complete Units.

⁴⁾ To order 3SB1902-2BN acoustic signal transformers separately, see Accessories. The 3SB34 00-1A lampholder is also required; only version with screw terminals can be used. With front mounting, use in the enclosure is also possible.

Version	Inscriptions	Color of handle	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
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Twin pushbuttons with indicator light with holder¹⁾



Twin pushbutton with indicator light, with flat buttons

Twin pushbuttons with indicator light, With flat, square buttons, including holder for 3 elements	I/O ²⁾	Green/Red	B	3SB31 01-8BC21		1	1 unit	102	0.035
	I/O ²⁾	White/Black	B	3SB31 01-8BC31		1	1 unit	102	0.035
	↑/↓ ²⁾	Green/Red	D	3SB31 01-8BC81		1	1 unit	102	0.035



Twin pushbutton with indicator light, with flat and raised buttons

Twin pushbuttons with indicator light, With flat and raised, square buttons, including holder for 3 elements	I/O ²⁾	Green/Red	B	3SB31 01-8DC21		1	1 unit	102	0.035
	I/O ²⁾	White/Black	B	3SB31 01-8DC31		1	1 unit	102	0.035

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

²⁾ Black inscription for green, red and white buttons; white inscription on black button.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Plastic, Round, 22 mm

Actuators and indicators

Version	Inscriptions	Color of handle	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
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Twin pushbuttons with holder¹⁾



Twin pushbuttons with flat buttons

Twin pushbuttons, with flat, square buttons	I/O ²⁾	Green/Red	B	3SB31 00-8AC21		1	1 unit	102	0.035
	I/O ²⁾	White/Black	B	3SB31 00-8AC31		1	1 unit	102	0.035
Twin pushbuttons, with flat and raised, square button	I/O ²⁾	Green/Red	B	3SB31 00-8CC21		1	1 unit	102	0.035
	I/O ²⁾	White/Black	B	3SB31 00-8CC31		1	1 unit	102	0.035

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

²⁾ Black inscription for green, red and white buttons; white inscription on black button.

Version	Use	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
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Accessories for twin pushbuttons



Label holders

Label holders 70 mm x 30 mm For inscription label 12.5 mm x 27 mm ¹⁾	Twin pushbut- tons	B	3SB39 22-0AY		100	10 units	102	0.200
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Protective cap

Protective caps, clear Silicone, for degree of protection IP67	Twin pushbut- tons with flat buttons	B	3SB39 21-0AQ		1	1 unit	102	0.005
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¹⁾ For blank labels see pages 9/70 and 9/71.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Plastic, Square, 26 mm × 26 mm

Complete units

Selection and ordering data

Version	Rated voltage of lamp	Color of handle	Contacts for front plate mounting	DT	Screw terminals	⊕	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.	
					Order No.		Price per PU			kg	
Pushbutton											
 Pushbutton	Pushbuttons with flat button	--	Black	1 NO	B	3SB33 02-0AA11	1	1 unit	102	0.040	
		Black	1 NC	B	3SB33 03-0AA11	1	1 unit	102	0.039		
		Red	1 NC	B	3SB33 03-0AA21	1	1 unit	102	0.040		
		Yellow	1 NO	B	3SB33 02-0AA31	1	1 unit	102	0.040		
		Green	1 NO	B	3SB33 02-0AA41	1	1 unit	102	0.040		
		Blue	1 NO	B	3SB33 02-0AA51	1	1 unit	102	0.040		
		White	1 NO	B	3SB33 02-0AA61	1	1 unit	102	0.040		
		Black	1 NO + 1 NC	B	3SB33 01-0AA11	1	1 unit	102	0.050		
		Red	1 NO + 1 NC	B	3SB33 01-0AA21	1	1 unit	102	0.050		
		Yellow	1 NO + 1 NC	B	3SB33 01-0AA31	1	1 unit	102	0.050		
		Green	1 NO + 1 NC	B	3SB33 01-0AA41	1	1 unit	102	0.050		
		Blue	1 NO + 1 NC	C	3SB33 01-0AA51	1	1 unit	102	0.050		
		White	1 NO + 1 NC	B	3SB33 01-0AA61	1	1 unit	102	0.050		
		 Illuminated pushbuttons	Illuminated pushbuttons with flat button With integrated LED (including holder for 3 elements)	24 AC/DC	Red ¹⁾	1 NC	B	3SB33 46-0AA21	1	1 unit	102
Yellow ¹⁾	1 NO			B	3SB33 45-0AA31	1	1 unit	102	0.050		
Green ¹⁾	1 NO			B	3SB33 45-0AA41	1	1 unit	102	0.050		
Blue ¹⁾	1 NO			B	3SB33 45-0AA51	1	1 unit	102	0.050		
White	1 NO			B	3SB33 45-0AA61	1	1 unit	102	0.050		
Clear ¹⁾	1 NO			B	3SB33 45-0AA71	1	1 unit	102	0.050		
Red ¹⁾	1 NO + 1 NC			B	3SB33 47-0AA21	1	1 unit	102	0.060		
Yellow ¹⁾	1 NO + 1 NC			B	3SB33 47-0AA31	1	1 unit	102	0.060		
Green ¹⁾	1 NO + 1 NC			B	3SB33 47-0AA41	1	1 unit	102	0.060		
Blue ¹⁾	1 NO + 1 NC			B	3SB33 47-0AA51	1	1 unit	102	0.060		
White	1 NO + 1 NC			B	3SB33 47-0AA61	1	1 unit	102	0.060		
Clear ¹⁾	1 NO + 1 NC			B	3SB33 47-0AA71	1	1 unit	102	0.060		
Illuminated pushbuttons with flat button With integrated LED (including holder for 3 elements)	230 AC			Red ¹⁾	1 NC	B	3SB33 54-0AA21	1	1 unit	102	0.050
				Yellow ¹⁾	1 NO	C	3SB33 53-0AA31	1	1 unit	102	0.050
		Green ¹⁾	1 NO	B	3SB33 53-0AA41	1	1 unit	102	0.050		
		Blue ¹⁾	1 NO	C	3SB33 53-0AA51	1	1 unit	102	0.050		
		White	1 NO	B	3SB33 53-0AA61	1	1 unit	102	0.050		
		Clear ¹⁾	1 NO	B	3SB33 53-0AA71	1	1 unit	102	0.050		
		Red ¹⁾	1 NO + 1 NC	B	3SB33 55-0AA21	1	1 unit	102	0.060		
		Yellow ¹⁾	1 NO + 1 NC	C	3SB33 55-0AA31	1	1 unit	102	0.060		
		Green ¹⁾	1 NO + 1 NC	B	3SB33 55-0AA41	1	1 unit	102	0.060		
		Blue ¹⁾	1 NO + 1 NC	C	3SB33 55-0AA51	1	1 unit	102	0.060		
		White	1 NO + 1 NC	C	3SB33 55-0AA61	1	1 unit	102	0.060		
		Clear ¹⁾	1 NO + 1 NC	B	3SB33 55-0AA71	1	1 unit	102	0.060		
		Illuminated pushbuttons with flat button With BA 9s lampholder without lamp (including holder for 3 elements)		Red ¹⁾	1 NC	B	3SB33 07-0AA21	1	1 unit	102	0.050
				Yellow ¹⁾	1 NO	B	3SB33 06-0AA31	1	1 unit	102	0.050
Green ¹⁾	1 NO			B	3SB33 06-0AA41	1	1 unit	102	0.050		
Blue ¹⁾	1 NO			B	3SB33 06-0AA51	1	1 unit	102	0.050		
White	1 NO			B	3SB33 06-0AA61	1	1 unit	102	0.050		
Clear ¹⁾	1 NO			B	3SB33 06-0AA71	1	1 unit	102	0.050		
Red ¹⁾	1 NO + 1 NC			B	3SB33 05-0AA21	1	1 unit	102	0.060		
Yellow ¹⁾	1 NO + 1 NC			B	3SB33 05-0AA31	1	1 unit	102	0.060		
Green ¹⁾	1 NO + 1 NC			B	3SB33 05-0AA41	1	1 unit	102	0.060		
Blue ¹⁾	1 NO + 1 NC			B	3SB33 05-0AA51	1	1 unit	102	0.060		
White	1 NO + 1 NC			B	3SB33 05-0AA61	1	1 unit	102	0.060		
Clear ¹⁾	1 NO + 1 NC			B	3SB33 05-0AA71	1	1 unit	102	0.060		

¹⁾ Inscription is possible by inserting a label.

3SB3 Pushbuttons and Indicator Lights, 22 mm Actuators and Indicators, Plastic, Square, 26 mm × 26 mm

Complete units

Version	Color of handle	Contacts for front plate mounting	DT	Screw terminals	⊕	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
				Order No.	Price per PU				kg

EMERGENCY-STOP devices acc. to ISO 13850, with yellow name plate, Ø 80 mm, with inscription¹⁾. Can also be used with 3TK28 safety relays.



EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with positive latching function
With rotate-to-unlatch mechanism

Red	1 NC	→ ²⁾ B	3SB33 03-1HA20	1	1 unit	102	0.070
	1 NO + 1 NC	→ ²⁾ B	3SB33 01-1HA20	1	1 unit	102	0.080

EMERGENCY-STOP mushroom pushbutton
Rotate-to-unlatch mechanism

1) German inscription "NOT-HALT".
2) Positive opening according to IEC 60947-5-1, Appendix K.

Version	Rated voltage of lamp	Color of lens	DT	Screw terminals	⊕	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
				Order No.	Price per PU				kg

Signaling devices



Indicator lights

Indicator lights With integrated LED	24 AC/DC	Red	B	3SB33 44-6AA20	1	1 unit	102	0.040
		Yellow	B	3SB33 44-6AA30	1	1 unit	102	0.040
		Green	B	3SB33 44-6AA40	1	1 unit	102	0.040
		Blue	B	3SB33 44-6AA50	1	1 unit	102	0.040
		White	B	3SB33 44-6AA60	1	1 unit	102	0.040
		Clear	B	3SB33 44-6AA70	1	1 unit	102	0.040
Indicator lights With integrated LED	230 AC	Red	B	3SB33 52-6AA20	1	1 unit	102	0.040
		Yellow	B	3SB33 52-6AA30	1	1 unit	102	0.040
		Green	B	3SB33 52-6AA40	1	1 unit	102	0.040
		Blue	B	3SB33 52-6AA50	1	1 unit	102	0.040
		White	B	3SB33 52-6AA60	1	1 unit	102	0.040
		Clear	B	3SB33 52-6AA70	1	1 unit	102	0.040
Indicator lights With BA 9s lampholder (without lamp)	-	Red	B	3SB33 04-6AA20	1	1 unit	102	0.040
		Yellow	B	3SB33 04-6AA30	1	1 unit	102	0.040
		Green	B	3SB33 04-6AA40	1	1 unit	102	0.040
		Blue	B	3SB33 04-6AA50	1	1 unit	102	0.040
		White	B	3SB33 04-6AA60	1	1 unit	102	0.040
		Clear	B	3SB33 04-6AA70	1	1 unit	102	0.040


* You can order this quantity or a multiple thereof.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Plastic, Square, 26 mm × 26 mm

Actuators and indicators

Selection and ordering data









Version	Color of handle	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Pushbuttons and switches with holder¹⁾								
 Pushbutton	Pushbuttons with flat button	Black	B	3SB31 10-0AA11		1	1 unit	102 0.025
		Red	B	3SB31 10-0AA21		1	1 unit	102 0.025
		Yellow	B	3SB31 10-0AA31		1	1 unit	102 0.025
		Green	B	3SB31 10-0AA41		1	1 unit	102 0.025
		Blue	B	3SB31 10-0AA51		1	1 unit	102 0.025
		White	B	3SB31 10-0AA61		1	1 unit	102 0.025
		Clear ²⁾	B	3SB31 10-0AA71		1	1 unit	102 0.025
 Pushbutton with raised front ring	Pushbuttons with raised front ring (height 13 mm)	Black	B	3SB31 10-0AA12		1	1 unit	102 0.025
		Red	B	3SB31 10-0AA22		1	1 unit	102 0.025
		Green	C	3SB31 10-0AA42		1	1 unit	102 0.025
		White	B	3SB31 10-0AA62		1	1 unit	102 0.025
 Pushbutton with raised front ring, castellated	Pushbuttons with raised front ring, castellated (height 13 mm)	Black	C	3SB31 10-0AA13		1	1 unit	102 0.025
		Red	C	3SB31 10-0AA23		1	1 unit	102 0.025
		Yellow	C	3SB31 10-0AA33		1	1 unit	102 0.025
		Green	C	3SB31 10-0AA43		1	1 unit	102 0.025
		White	C	3SB31 10-0AA63		1	1 unit	102 0.025
 Illuminated pushbuttons	Illuminated pushbuttons with flat button (including holder for 3 elements)	Red ²⁾	B	3SB31 11-0AA21		1	1 unit	102 0.025
		Yellow ²⁾	B	3SB31 11-0AA31		1	1 unit	102 0.025
		Green ²⁾	B	3SB31 11-0AA41		1	1 unit	102 0.025
		Blue ²⁾	B	3SB31 11-0AA51		1	1 unit	102 0.025
		White	B	3SB31 11-0AA61		1	1 unit	102 0.025
		Clear ²⁾	B	3SB31 11-0AA71		1	1 unit	102 0.025
 Pushbutton	Pushbuttons, latching, with flat button, unlocking by pressing again	Black	B	3SB31 10-0DA11		1	1 unit	102 0.025
		Red	B	3SB31 10-0DA21		1	1 unit	102 0.025
		Yellow	B	3SB31 10-0DA31		1	1 unit	102 0.025
		Green	B	3SB31 10-0DA41		1	1 unit	102 0.025
		Blue	C	3SB31 10-0DA51		1	1 unit	102 0.025
		White	B	3SB31 10-0DA61		1	1 unit	102 0.025
 Illuminated pushbutton	Illuminated pushbuttons, latching, with flat button (including holder for 3 elements), unlocking by pressing again	Red ²⁾	B	3SB31 11-0DA21		1	1 unit	102 0.025
		Yellow ²⁾	B	3SB31 11-0DA31		1	1 unit	102 0.025
		Green ²⁾	B	3SB31 11-0DA41		1	1 unit	102 0.025
		Blue ²⁾	B	3SB31 11-0DA51		1	1 unit	102 0.025
		White	B	3SB31 11-0DA61		1	1 unit	102 0.025
		Clear ²⁾	B	3SB31 11-0DA71		1	1 unit	102 0.025

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

²⁾ Inscription is possible by inserting a label.

3SB3 Pushbuttons and Indicator Lights, 22 mm Actuators and Indicators, Plastic, Square, 26 mm × 26 mm

Actuators and indicators

Version	Version Illumination	Color of handle	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Selector switches with holder¹⁾									
Selector switches with 2 switch positions									
 <p>Selector switches</p>  <p>Selector switch, illuminated</p>	Switching sequence O-I, 50° operating angle, latching 	Non-illuminated	Black	B	3SB31 10-2KA11	1	1 unit	102	0.030
			Red	B	3SB31 10-2KA21	1	1 unit	102	0.030
			Green	B	3SB31 10-2KA41	1	1 unit	102	0.030
			White	B	3SB31 10-2KA61	1	1 unit	102	0.030
		Illuminated (including holder for 3 elements)	Red	B	3SB31 11-2KA21	1	1 unit	102	0.030
			Yellow	B	3SB31 11-2KA31	1	1 unit	102	0.030
			Green	B	3SB31 11-2KA41	1	1 unit	102	0.030
			Blue	B	3SB31 11-2KA51	1	1 unit	102	0.030
			Clear	B	3SB31 11-2KA71	1	1 unit	102	0.030
			Switching sequence O-I, 50° operating angle, momentary contact type 	Non-illuminated	Black	B	3SB31 10-2LA11	1	1 unit
Red	C	3SB31 10-2LA21			1	1 unit	102	0.030	
Green	C	3SB31 10-2LA41			1	1 unit	102	0.030	
White	C	3SB31 10-2LA61			1	1 unit	102	0.030	
Illuminated (including holder for 3 elements)	Red	B			3SB31 11-2LA21	1	1 unit	102	0.030
	Yellow	C			3SB31 11-2LA31	1	1 unit	102	0.030
	Green	C			3SB31 11-2LA41	1	1 unit	102	0.030
	Blue	C			3SB31 11-2LA51	1	1 unit	102	0.030
	Clear	B			3SB31 11-2LA71	1	1 unit	102	0.030
	Selector switches with 3 switch positions Switching sequence I-O-II 2 x 50° operating angle, latching 	Non-illuminated			Black	B	3SB31 10-2DA11	1	1 unit
Red			B	3SB31 10-2DA21	1	1 unit	102	0.030	
Green			C	3SB31 10-2DA41	1	1 unit	102	0.030	
White			C	3SB31 10-2DA61	1	1 unit	102	0.030	
Illuminated (including holder for 3 elements)			Red	B	3SB31 11-2DA21	1	1 unit	102	0.030
			Yellow	B	3SB31 11-2DA31	1	1 unit	102	0.030
			Green	B	3SB31 11-2DA41	1	1 unit	102	0.030
			Blue	C	3SB31 11-2DA51	1	1 unit	102	0.030
			Clear	B	3SB31 11-2DA71	1	1 unit	102	0.030
			Switching sequence I-O-II 2 x 50° operating angle, momentary contact type 	Non-illuminated	Black	B	3SB31 10-2EA11	1	1 unit
Red	B	3SB31 10-2EA21			1	1 unit	102	0.030	
Green	C	3SB31 10-2EA41			1	1 unit	102	0.030	
White	C	3SB31 10-2EA61			1	1 unit	102	0.030	
Illuminated (including holder for 3 elements)	Red	C			3SB31 11-2EA21	1	1 unit	102	0.030
	Yellow	C			3SB31 11-2EA31	1	1 unit	102	0.030
	Green	B			3SB31 11-2EA41	1	1 unit	102	0.030
	Blue	C			3SB31 11-2EA51	1	1 unit	102	0.030
	Clear	B			3SB31 11-2EA71	1	1 unit	102	0.030
	Switching sequence I-O-II 2 x 50° operating angle, momentary contact type to the left, latching to the right 	Non-illuminated			Black	B	3SB31 10-2GA11	1	1 unit
Green			C	3SB31 10-2GA41	1	1 unit	102	0.030	
White			B	3SB31 10-2GA61	1	1 unit	102	0.030	
Switching sequence I-O-II 2 x 50° operating angle, latching to the left, momentary contact type to the right 	Non-illuminated	Black	B	3SB31 10-2FA11	1	1 unit	102	0.030	
		Red	C	3SB31 10-2FA21	1	1 unit	102	0.030	
		Green	B	3SB31 10-2FA41	1	1 unit	102	0.030	

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Plastic, Square, 26 mm × 26 mm

Actuators and indicators





Version	Lock version		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Type	Lock No./ color							

kg

Key-operated switches with holder¹⁾



Key-operated switches with 2 keys and 2 switch positions

Switching sequence O-I, 50° operating angle, latching	RONIS	SB 30	O+I	B	3SB31 10-4AD11	1	1 unit	102	0.060
			O	B	3SB31 10-4AD01	1	1 unit	102	0.060
	CES	SSG 10	O+I	B	3SB31 10-4LD11	1	1 unit	102	0.140
			O	B	3SB31 10-4LD01	1	1 unit	102	0.140
			I	B	3SB31 10-4LD21	1	1 unit	102	0.140
		LSG 1	O+I	C	3SB31 10-4LF01	1	1 unit	102	0.140
			O	B	3SB31 10-4LF11	1	1 unit	102	0.140
	BKS	E2 for VW ²⁾	O	B	3SB31 10-5AE31	1	1 unit	102	0.130
		E7 for VW ²⁾	O+I	B	3SB31 10-5AE41	1	1 unit	102	0.130
			O	B	3SB31 10-5AE51	1	1 unit	102	0.130
		E9 for VW ²⁾	O	B	3SB31 10-5AE71	1	1 unit	102	0.130
	O.M.R. ³⁾	73037 Red	O	B	3SB31 10-3AH01	1	1 unit	102	0.130
		73034 Black	O+I	B	3SB31 10-3AJ11	1	1 unit	102	0.130



Switching sequence O-I, 50° operating angle, momentary contact type	RONIS	SB 30	O	B	3SB31 10-4BD01	1	1 unit	102	0.060
	CES	SSG 10	O	B	3SB31 10-4MD01	1	1 unit	102	0.140



Key-operated switches with 2 keys and 3 switch positions

Switching sequence I-O-II, 2 x 50° operating angle, latching	RONIS	SB 30	I+O+II	B	3SB31 10-4DD11	1	1 unit	102	0.060
	CES	SSG 10	I+O+II	B	3SB31 10-4PD11	1	1 unit	102	0.140
				B	3SB31 10-4PD01	1	1 unit	102	0.140



Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type	RONIS	SB 30	O	B	3SB31 10-4ED01	1	1 unit	102	0.060
	CES	SSG 10	O	B	3SB31 10-4QD01	1	1 unit	102	0.140



Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type to the left, latching to the right	CES	SSG 10	O	B	3SB31 10-4SD01	1	1 unit	102	0.140
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Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type to the left, latching to the right	CES	SSG 10	O+I	C	3SB31 10-4RD51	1	1 unit	102	0.140
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For BKS and CES special locks, see page 9/65.

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

²⁾ Keys are not included in scope of supply.

³⁾ According to FIAT standards; also available for other users.










* You can order this quantity or a multiple thereof.

3SB3 Pushbuttons and Indicator Lights, 22 mm Actuators and Indicators, Plastic, Square, 26 mm × 26 mm

Actuators and indicators

Version	Color of handle	Approval	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
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EMERGENCY-STOP devices according to ISO 13850 and IEC 60947-5-5, with holder¹⁾²⁾. Can also be used with 3TK28 safety relays.

	EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with positive latching acc. to ISO 13850, rotate-to-unlatch mechanism	Red		B	3SB31 10-1HA20	1	1 unit	102	0.060
EMERGENCY-STOP mushroom pushbutton Rotate-to-unlatch mechanism	EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with RONIS key-operated switch (with 2 keys), lock No. SB 30, with positive latching acc. to ISO 13850, unlocking only possible using key	Red		B	3SB31 10-1BA20	1	1 unit	102	0.100
	EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with CWS key-operated switch (with 2 keys), lock No. SSG 10, with positive latching acc. to ISO 13850, unlocking only possible using key	Red		B	3SB31 10-1KA20	1	1 unit	102	0.110
EMERGENCY-STOP mushroom pushbutton with RONIS key-operated switch	EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with BKS key-operated switch (with 2 keys), lock No. S1, with positive latching acc. to ISO 13850, unlocking only possible using key	Red		B	3SB31 10-1LA20	1	1 unit	102	0.120
	EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with O.M.R. key-operated switch (with 2 keys), lock No. 73037 with positive latching acc. to ISO 13850, unlocking only using key	Red		B	3SB31 10-1MA20	1	1 unit	102	0.120
EMERGENCY-STOP mushroom pushbutton with CES key-operated switch									
									
EMERGENCY-STOP mushroom pushbutton with O.M.R. key-operated switch									


For BKS and CES special locks, see page 9/65.

²⁾ The yellow backing plates must be ordered separately, see Accessories.

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

Version	Color of lens	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
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Signaling elements with holder¹⁾

	Indicator lights	Red	B	3SB31 11-6AA20	1	1 unit	102	0.025
		Yellow	B	3SB31 11-6AA30	1	1 unit	102	0.025
		Green	B	3SB31 11-6AA40	1	1 unit	102	0.025
		Blue	B	3SB31 11-6AA50	1	1 unit	102	0.025
		Clear	B	3SB31 11-6AA70	1	1 unit	102	0.025
		White	B	3SB31 11-6AA60	1	1 unit	102	0.025

Indicator lights

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

* You can order this quantity or a multiple thereof.

3SB3 Pushbuttons and Indicator Lights, 22 mm



Actuators and Indicators, Metal, Round, 22 mm

Complete units

Selection and ordering data

The following applies to all complete units:

PU (UNIT) = 1
 PS* = 1 UNIT
 PG = 102

Rated voltage of lamp	Color of handle	Contacts for front plate mounting	DT	Screw terminals		Weight per PU approx.	DT	Spring-type terminals		Weight per PU approx.
				Order No.	Price per PU			Order No.	Price per PU	
V										
Pushbutton										
Pushbuttons with flat button										
	--	Black	1 NO	▶	3SB36 02-0AA11	0.090	C	3SB36 02-0AA11-0CC0	0.090	
		Black	1 NC	B	3SB36 03-0AA11	0.090	C	3SB36 03-0AA11-0CC0	0.090	
		Red	1 NC	B	3SB36 03-0AA21	0.090	C	3SB36 03-0AA21-0CC0	0.090	
		Yellow	1 NO	B	3SB36 02-0AA31	0.090	C	3SB36 02-0AA31-0CC0	0.090	
		Green	1 NO	▶	3SB36 02-0AA41	0.090	C	3SB36 02-0AA41-0CC0	0.090	
		Blue	1 NO	B	3SB36 02-0AA51	0.090	C	3SB36 02-0AA51-0CC0	0.090	
		White	1 NO	▶	3SB36 02-0AA61	0.090	C	3SB36 02-0AA61-0CC0	0.090	
		Black	1 NO + 1 NC	B	3SB36 01-0AA11	0.100	C	3SB36 01-0AA11-0CC0	0.100	
		Red	1 NO + 1 NC	B	3SB36 01-0AA21	0.100	C	3SB36 01-0AA21-0CC0	0.100	
		Yellow	1 NO + 1 NC	B	3SB36 01-0AA31	0.100	C	3SB36 01-0AA31-0CC0	0.100	
		Green	1 NO + 1 NC	B	3SB36 01-0AA41	0.100	C	3SB36 01-0AA41-0CC0	0.100	
		Blue	1 NO + 1 NC	B	3SB36 01-0AA51	0.100	C	3SB36 01-0AA51-0CC0	0.100	
		White	1 NO + 1 NC	B	3SB36 01-0AA61	0.100	C	3SB36 01-0AA61-0CC0	0.100	
		Clear	1 NO + 1 NC	C	3SB36 01-0AA71	0.100		--		
Illuminated pushbuttons with flat button with integrated LED										
	24 AC/DC	Red ¹⁾	1 NC	▶	3SB36 46-0AA21	0.100	C	3SB36 46-0AA21-0CC0	0.100	
		Yellow ¹⁾	1 NO	B	3SB36 45-0AA31	0.100	C	3SB36 45-0AA31-0CC0	0.100	
		Green ¹⁾	1 NO	B	3SB36 45-0AA41	0.100	C	3SB36 45-0AA41-0CC0	0.100	
		Blue ¹⁾	1 NO	B	3SB36 45-0AA51	0.100	C	3SB36 45-0AA51-0CC0	0.100	
		White	1 NO	B	3SB36 45-0AA61	0.100	C	3SB36 45-0AA61-0CC0	0.100	
		Clear ¹⁾	1 NO	▶	3SB36 45-0AA71	0.100	C	3SB36 45-0AA71-0CC0	0.100	
		Red ¹⁾	1 NO + 1 NC	B	3SB36 47-0AA21	0.110	C	3SB36 47-0AA21-0CC0	0.110	
		Yellow ¹⁾	1 NO + 1 NC	B	3SB36 47-0AA31	0.110	C	3SB36 47-0AA31-0CC0	0.110	
		Green ¹⁾	1 NO + 1 NC	B	3SB36 47-0AA41	0.110	C	3SB36 47-0AA41-0CC0	0.110	
		Blue ¹⁾	1 NO + 1 NC	B	3SB36 47-0AA51	0.110	C	3SB36 47-0AA51-0CC0	0.110	
		White	1 NO + 1 NC	B	3SB36 47-0AA61	0.110	C	3SB36 47-0AA61-0CC0	0.110	
		Clear ¹⁾	1 NO + 1 NC	B	3SB36 47-0AA71	0.110	C	3SB36 47-0AA71-0CC0	0.110	
	110 AC	Red ¹⁾	1 NC	B	3SB36 50-0AA21	0.100		--		
		Yellow ¹⁾	1 NO	B	3SB36 57-0AA31	0.100		--		
		Green ¹⁾	1 NO	B	3SB36 57-0AA41	0.100		--		
		Blue ¹⁾	1 NO	B	3SB36 57-0AA51	0.100		--		
		White	1 NO	B	3SB36 57-0AA61	0.100		--		
		Clear ¹⁾	1 NO	D	3SB36 57-0AA71	0.100		--		
		Red ¹⁾	1 NO + 1 NC	B	3SB36 51-0AA21	0.110		--		
		Yellow ¹⁾	1 NO + 1 NC	B	3SB36 51-0AA31	0.110		--		
		Green ¹⁾	1 NO + 1 NC	B	3SB36 51-0AA41	0.110		--		
		Blue ¹⁾	1 NO + 1 NC	D	3SB36 51-0AA51	0.110		--		
		White	1 NO + 1 NC	B	3SB36 51-0AA61	0.110		--		
		Clear ¹⁾	1 NO + 1 NC	D	3SB36 51-0AA71	0.110		--		
230 AC	Red ¹⁾	1 NC	▶	3SB36 54-0AA21	0.100	C	3SB36 54-0AA21-0CC0	0.100		
	Yellow ¹⁾	1 NO	B	3SB36 53-0AA31	0.100	C	3SB36 53-0AA31-0CC0	0.100		
	Green ¹⁾	1 NO	▶	3SB36 53-0AA41	0.100	C	3SB36 53-0AA41-0CC0	0.100		
	Blue ¹⁾	1 NO	D	3SB36 53-0AA51	0.100	C	3SB36 53-0AA51-0CC0	0.100		
	White	1 NO	B	3SB36 53-0AA61	0.100	C	3SB36 53-0AA61-0CC0	0.100		
	Clear ¹⁾	1 NO	▶	3SB36 53-0AA71	0.100	C	3SB36 53-0AA71-0CC0	0.100		
	Red ¹⁾	1 NO + 1 NC	B	3SB36 55-0AA21	0.110	C	3SB36 55-0AA21-0CC0	0.110		
	Yellow ¹⁾	1 NO + 1 NC	B	3SB36 55-0AA31	0.110	C	3SB36 55-0AA31-0CC0	0.110		
	Green ¹⁾	1 NO + 1 NC	B	3SB36 55-0AA41	0.110	C	3SB36 55-0AA41-0CC0	0.110		
	Blue ¹⁾	1 NO + 1 NC	D	3SB36 55-0AA51	0.110	C	3SB36 55-0AA51-0CC0	0.110		
	White	1 NO + 1 NC	B	3SB36 55-0AA61	0.110	C	3SB36 55-0AA61-0CC0	0.110		
	Clear ¹⁾	1 NO + 1 NC	B	3SB36 55-0AA71	0.110	C	3SB36 55-0AA71-0CC0	0.110		




¹⁾ Inscription is possible by inserting a label.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Metal, Round, 22 mm

Complete units

PU (UNIT) = 1
 PS* = 1 UNIT
 PG = 102

Rated voltage of lamp	Color of handle	Contacts for front plate mounting	DT	Screw terminals		Weight per PU approx.	DT	Spring-type terminals		Weight per PU approx.	
				Order No.	Price per PU			Order No.	Price per PU		
V						kg			kg		
Pushbutton											
Pushbuttons with flat button with BA 9s lampholder, without lamp											
	--	Red ¹⁾	1 NC	B	3SB36 07-0AA21	0.100	C	3SB36 07-0AA21-0CC0	0.100		
		Amber ¹⁾	1 NO	D	3SB36 06-0AA01	0.100	--	--			
		Yellow ¹⁾	1 NO	B	3SB36 06-0AA31	0.100	C	3SB36 06-0AA31-0CC0	0.100		
		Green ¹⁾	1 NO	B	3SB36 06-0AA41	0.100	C	3SB36 06-0AA41-0CC0	0.100		
		Blue ¹⁾	1 NO	B	3SB36 06-0AA51	0.100	C	3SB36 06-0AA51-0CC0	0.100		
		White	1 NO	B	3SB36 06-0AA61	0.100	C	3SB36 06-0AA61-0CC0	0.100		
		Clear ¹⁾	1 NO	B	3SB36 06-0AA71	0.100	B	3SB36 06-0AA71-0CC0	0.100		
		Red ¹⁾	1 NO + 1 NC	B	3SB36 05-0AA21	0.110	C	3SB36 05-0AA21-0CC0	0.110		
		Amber ¹⁾	1 NO + 1 NC	C	3SB36 05-0AA01	0.110	--	--			
		Yellow ¹⁾	1 NO + 1 NC	B	3SB36 05-0AA31	0.110	C	3SB36 05-0AA31-0CC0	0.110		
		Green ¹⁾	1 NO + 1 NC	B	3SB36 05-0AA41	0.110	C	3SB36 05-0AA41-0CC0	0.110		
		Blue ¹⁾	1 NO + 1 NC	B	3SB36 05-0AA51	0.110	C	3SB36 05-0AA51-0CC0	0.110		
		White	1 NO + 1 NC	B	3SB36 05-0AA61	0.110	C	3SB36 05-0AA61-0CC0	0.110		
		Clear ¹⁾	1 NO + 1 NC	B	3SB36 05-0AA71	0.110	C	3SB36 05-0AA71-0CC0	0.110		
Illuminated pushbuttons with flat solvent-resistant button²⁾, with integrated LED											
	24 V AC/DC	Red ¹⁾	1 NC	B	3SB36 46-0AA21-0PA0	0.100	--	--			
		Yellow ¹⁾	1 NO	B	3SB36 45-0AA31-0PA0	0.100	--	--			
		Green ¹⁾	1 NO	B	3SB36 45-0AA41-0PA0	0.100	--	--			
		Blue ¹⁾	1 NO	B	3SB36 45-0AA51-0PA0	0.100	--	--			
		White	1 NO	B	3SB36 45-0AA61-0PA0	0.100	--	--			
		Clear ¹⁾	1 NO	B	3SB36 45-0AA71-0PA0	0.100	--	--			
		Red ¹⁾	1 NO + 1 NC	B	3SB36 47-0AA21-0PA0	0.110	--	--			
		Yellow ¹⁾	1 NO + 1 NC	B	3SB36 47-0AA31-0PA0	0.110	--	--			
		Green ¹⁾	1 NO + 1 NC	B	3SB36 47-0AA41-0PA0	0.110	--	--			
		Blue ¹⁾	1 NO + 1 NC	B	3SB36 47-0AA51-0PA0	0.110	--	--			
		White	1 NO + 1 NC	B	3SB36 47-0AA61-0PA0	0.110	--	--			
		Clear ¹⁾	1 NO + 1 NC	B	3SB36 47-0AA71-0PA0	0.110	--	--			
	Mushroom pushbuttons										
	Mushroom push-pull buttons, Ø 40 mm, latching with pull-to-unlatch mechanism										
	--	Red	1 NC	B	3SB36 03-1CA21	0.100	C	3SB36 03-1CA21-0CC0	0.100		
			1 NO + 1 NC	B	3SB36 01-1CA21	0.107	C	3SB36 01-1CA21-0CC0	0.107		



¹⁾ Inscription is possible by inserting a label.

²⁾ Not suitable for laser inscription.

3SB3 Pushbuttons and Indicator Lights, 22 mm Actuators and Indicators, Metal, Round, 22 mm

Complete units

PU (UNIT) = 1
PS* = 1 UNIT
PG = 102

Version	Color of handle/ Lock No.	Contacts for front plate mounting	DT	Screw terminals		Weight per PU approx.	DT	Spring-type terminals		Weight per PU approx.	
				Order No.	Price per PU	kg			Order No.	Price per PU	kg

Selector switches



Selector switches

Selector switches, 2 switch positions											
Switching sequence O-I, 50° operating angle											
Latching	Black	1 NO	▶	3SB36 02-2KA11		0.100	C	3SB36 02-2KA11-OCC0		0.100	
	Standard	1 NO + 1 NC	B	3SB36 01-2KA11		0.100	C	3SB36 01-2KA11-OCC0		0.100	
Heavy duty		1 NO	C	3SB36 02-2PA11		0.110	--	--		--	
		1 NO + 1 NC	C	3SB36 01-2PA11		0.120	--	--		--	
Selector switches, 3 switch positions											
switching sequence I-O-II, 2 x 50° operating angle											
Latching	Black	1 NO, 1 NO	▶	3SB36 10-2DA11		0.120	C	3SB36 10-2DA11-OCC0		0.120	
		1 NO + 1 NC, 1 NO + 1 NC	▶	3SB36 08-2DA11		0.120	C	3SB36 08-2DA11-OCC0		0.120	
Heavy duty		1 NO, 1 NO	C	3SB36 10-2SA11		0.130	--	--		--	
		1 NO + 1 NC, 1 NO + 1 NC	C	3SB36 08-2SA11		0.130	--	--		--	
Momentary contact type	Black	1 NO, 1 NO	▶	3SB36 10-2EA11		0.110	C	3SB36 10-2EA11-OCC0		0.110	
		1 NO + 1 NC, 1 NO + 1 NC	B	3SB36 08-2EA11		0.110	C	3SB36 08-2EA11-OCC0		0.110	
Heavy duty		1 NO, 1 NO	C	3SB36 10-2TA11		0.140	--	--		--	
		1 NO + 1 NC, 1 NO + 1 NC	C	3SB36 08-2TA11		0.140	--	--		--	

Key-operated switches



RONIS key-operated switch

RONIS key-operated switch, 2 switch positions											
With 2 keys, removal position O + I, switching sequence O-I, 50° operating angle											
Latching	SB 30	1 NO	▶	3SB36 02-4AD11		0.120	C	3SB36 02-4AD11-OCC0		0.120	
		1 NO + 1 NC	B	3SB36 01-4AD11		0.130	C	3SB36 01-4AD11-OCC0		0.130	



* You can order this quantity or a multiple thereof.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Metal, Round, 22 mm

Complete units

PU (UNIT) = 1
 PS* = 1 UNIT
 PG = 102

Color of handle	Contacts for front plate mounting	DT	Screw terminals		Weight per PU approx.	DT	Spring-type terminals		Weight per PU approx.
			Order No.	Price per PU	kg		Order No.	Price per PU	kg



EMERGENCY-STOP devices acc. to ISO 13850, with yellow name plate, Ø 80 mm, with inscription





EMERGENCY-STOP mushroom pushbutton Rotate-to-unlatch mechanism

EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with positive latching function, with rotate-to-unlatch mechanism




• English inscription "EMERGENCY STOP"

Red 1 NC ¹⁾ B **3SB36 03-1HR20**
 1 NO + 1 NC ¹⁾ B **3SB36 01-1HR20**

• French inscription "ARRET D'URGENCE"

Red 1 NC ¹⁾ B **3SB36 03-1HP20**
 1 NO + 1 NC ¹⁾ B **3SB36 01-1HP20**

• German inscription "NOT-HALT"



Red 1 NC ¹⁾ ▶ **3SB36 03-1HA20**
 1 NO + 1 NC ¹⁾ B **3SB36 01-1HA20**
 1 NC + 1 NC ¹⁾ -- B **3SB36 11-1HA20-0CC0**





EMERGENCY-STOP mushroom pushbuttons with rotate-to-unlatch mechanism and switch position indication

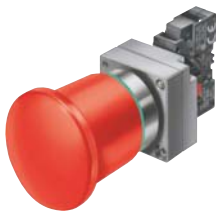
With rotate-to-unlatch mechanism and mechanical switch position indication

• English inscription "EMERGENCY STOP"

Red 1 NC ¹⁾ B **3SB36 03-1HR26**
 1 NO + 1 NC ¹⁾ B **3SB36 01-1HR26**

• German inscription "NOT-HALT"



Red 1 NC ¹⁾ B **3SB36 03-1HA26**
 1 NO + 1 NC ¹⁾ B **3SB36 01-1HA26**






EMERGENCY-STOP mushroom pushbutton Pull-to-unlatch mechanism

With pull-to-unlatch mechanism

• English inscription "EMERGENCY STOP"

Red 1 NC ¹⁾ B **3SB36 03-1TR20**
 1 NO + 1 NC ¹⁾ B **3SB36 01-1TR20**

• German inscription "NOT-HALT"

Red 1 NC ¹⁾ B **3SB36 03-1TA20**
 1 NO + 1 NC ¹⁾ B **3SB36 01-1TA20**
 1 NC + 1 NC ¹⁾ -- B **3SB36 11-1TA20-0CC0**

¹⁾ Positive opening according to IEC 60947-5-1, Appendix K. Can be used with 3TK28 safety relays.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Metal, Round, 22 mm

Complete units

PU (UNIT) = 1
 PS* = 1 UNIT
 PG = 102

Rated voltage of lamp	Color of lens	DT	Screw terminals			Spring-type terminals		
			Order No.	Price per PU	Weight per PU approx. kg	Order No.	Price per PU	Weight per PU approx. kg
Indicator lights								
Indicator lights with lens with concentric rings¹⁾								
With integrated LED								
24 AC/DC	Red	▶	3SB36 44-6BA20	0.080	C	3SB36 44-6BA20-0CC0	0.080	
	Yellow	B	3SB36 44-6BA30	0.080	C	3SB36 44-6BA30-0CC0	0.080	
	Green	▶	3SB36 44-6BA40	0.080	C	3SB36 44-6BA40-0CC0	0.080	
	Blue	B	3SB36 44-6BA50	0.080	C	3SB36 44-6BA50-0CC0	0.080	
	White	B	3SB36 44-6BA60	0.080	C	3SB36 44-6BA60-0CC0	0.080	
	Clear	▶	3SB36 44-6BA70	0.080	C	3SB36 44-6BA70-0CC0	0.080	
110 AC	Red	B	3SB36 48-6BA20	0.080	B	3SB36 48-6BA20-0CC0	0.080	
	Yellow	B	3SB36 48-6BA30	0.080	B	3SB36 48-6BA30-0CC0	0.080	
	Green	B	3SB36 48-6BA40	0.080	B	3SB36 48-6BA40-0CC0	0.080	
	Blue	B	3SB36 48-6BA50	0.080	B	3SB36 48-6BA50-0CC0	0.080	
	White	B	3SB36 48-6BA60	0.080	B	3SB36 48-6BA60-0CC0	0.080	
	Clear	B	3SB36 48-6BA70	0.080	B	3SB36 48-6BA70-0CC0	0.080	
230 AC	Red	▶	3SB36 52-6BA20	0.080	C	3SB36 52-6BA20-0CC0	0.080	
	Yellow	B	3SB36 52-6BA30	0.080	C	3SB36 52-6BA30-0CC0	0.080	
	Green	▶	3SB36 52-6BA40	0.080	C	3SB36 52-6BA40-0CC0	0.080	
	Blue	B	3SB36 52-6BA50	0.080	C	3SB36 52-6BA50-0CC0	0.080	
	White	B	3SB36 52-6BA60	0.080	C	3SB36 52-6BA60-0CC0	0.080	
	Clear	▶	3SB36 52-6BA70	0.080	C	3SB36 52-6BA70-0CC0	0.080	
With BA 9s lampholder, without lamp								
--	Red	B	3SB36 04-6BA20	0.080	C	3SB36 04-6BA20-0CC0	0.080	
	Yellow	B	3SB36 04-6BA30	0.080	C	3SB36 04-6BA30-0CC0	0.080	
	Green	B	3SB36 04-6BA40	0.080	C	3SB36 04-6BA40-0CC0	0.080	
	Blue	B	3SB36 04-6BA50	0.080	C	3SB36 04-6BA50-0CC0	0.080	
	White	B	3SB36 04-6BA60	0.080	C	3SB36 04-6BA60-0CC0	0.080	
	Clear	B	3SB36 04-6BA70	0.080	C	3SB36 04-6BA70-0CC0	0.080	

¹⁾ Inscription by inserting a label is not possible.







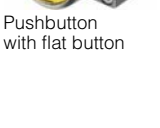
* You can order this quantity or a multiple thereof.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Metal, Round, 22 mm

Actuators and indicators

Selection and ordering data

Version	Inscriptions	Color of handle	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg		
Pushbuttons with holder¹⁾											
	Pushbuttons with flat button	Black	▶	3SB35 00-0AA11		1	1 unit	102	0.080		
		Red	▶	3SB35 00-0AA21		1	1 unit	102	0.080		
		Yellow	B	3SB35 00-0AA31		1	1 unit	102	0.080		
		Green	▶	3SB35 00-0AA41		1	1 unit	102	0.080		
		Blue	B	3SB35 00-0AA51		1	1 unit	102	0.080		
		White	▶	3SB35 00-0AA61		1	1 unit	102	0.080		
		Gray	B	3SB35 00-0AB51		1	1 unit	102	0.080		
		Clear ²⁾	B	3SB35 00-0AA71		1	1 unit	102	0.080		
		I	Green	B	3SB35 00-0AA81		1	1 unit	102	0.080	
		O	Red	B	3SB35 00-0AB01		1	1 unit	102	0.080	
	Pushbuttons with raised button	White	B	3SB35 00-0AB11		1	1 unit	102	0.080		
		Black	B	3SB35 00-0AB21		1	1 unit	102	0.080		
		Blue	D	3SB35 00-0AC81		1	1 unit	102	0.080		
		Red	C	3SB35 00-0AA21-0PA0		1	1 unit	102	0.080		
		Yellow	C	3SB35 00-0AA31-0PA0		1	1 unit	102	0.080		
		Green	C	3SB35 00-0AA41-0PA0		1	1 unit	102	0.080		
		Blue	C	3SB35 00-0AA51-0PA0		1	1 unit	102	0.080		
		White	C	3SB35 00-0AA61-0PA0		1	1 unit	102	0.080		
			Pushbutton with raised front ring (height 15.5 mm)	Black	B	3SB35 00-0BA11		1	1 unit	102	0.080
				Red	B	3SB35 00-0BA21		1	1 unit	102	0.080
Yellow	B			3SB35 00-0BA31		1	1 unit	102	0.080		
Green	B			3SB35 00-0BA41		1	1 unit	102	0.080		
Blue	B			3SB35 00-0BA51		1	1 unit	102	0.080		
White	B			3SB35 00-0BA61		1	1 unit	102	0.080		
Black	B			3SB35 00-0AA12		1	1 unit	102	0.080		
Red	B			3SB35 00-0AA22		1	1 unit	102	0.080		
Yellow	B			3SB35 00-0AA32		1	1 unit	102	0.080		
Green	B			3SB35 00-0AA42		1	1 unit	102	0.080		
	Illuminated pushbuttons with flat button (including holder for 3 elements)	Blue	B	3SB35 00-0AA52		1	1 unit	102	0.080		
		White	B	3SB35 00-0AA62		1	1 unit	102	0.080		
		Amber ²⁾	D	3SB35 01-0AA01		1	1 unit	102	0.080		
		Red ²⁾	▶	3SB35 01-0AA21		1	1 unit	102	0.080		
		Yellow ²⁾	B	3SB35 01-0AA31		1	1 unit	102	0.080		
		Green ²⁾	▶	3SB35 01-0AA41		1	1 unit	102	0.080		
		Blue ²⁾	B	3SB35 01-0AA51		1	1 unit	102	0.080		
		White	B	3SB35 01-0AA61		1	1 unit	102	0.080		
		Clear ²⁾	▶	3SB35 01-0AA71		1	1 unit	102	0.080		
			Illuminated pushbuttons with raised button (including holder for 3 elements)	Red ²⁾	C	3SB35 01-0AA21-0PA0		1	1 unit	102	0.080
Yellow ²⁾	C			3SB35 01-0AA31-0PA0		1	1 unit	102	0.080		
Green ²⁾	C			3SB35 01-0AA41-0PA0		1	1 unit	102	0.080		
Blue ²⁾	C			3SB35 01-0AA51-0PA0		1	1 unit	102	0.080		
White	C			3SB35 01-0AA61-0PA0		1	1 unit	102	0.080		
Clear ²⁾	C			3SB35 01-0AA71-0PA0		1	1 unit	102	0.080		
Amber	D			3SB35 01-0BA01		1	1 unit	102	0.080		
Red	B			3SB35 01-0BA21		1	1 unit	102	0.080		
Yellow	B			3SB35 01-0BA31		1	1 unit	102	0.080		
Green	B			3SB35 01-0BA41		1	1 unit	102	0.080		
	Pushbuttons with flat button, latching (Unlatches by pressing again)	Blue	B	3SB35 01-0BA51		1	1 unit	102	0.080		
		Clear	B	3SB35 01-0BA71		1	1 unit	102	0.080		
		Black	B	3SB35 00-0DA11		1	1 unit	102	0.080		
		Red	B	3SB35 00-0DA21		1	1 unit	102	0.080		
		Yellow	B	3SB35 00-0DA31		1	1 unit	102	0.080		
		Green	B	3SB35 00-0DA41		1	1 unit	102	0.080		
		Blue	B	3SB35 00-0DA51		1	1 unit	102	0.080		
		White	B	3SB35 00-0DA61		1	1 unit	102	0.080		
		Gray	D	3SB35 00-0DB51		1	1 unit	102	0.077		
			Illuminated pushbuttons with flat button, latching (Unlatches by pressing again (including holder for 3 elements))	Amber ²⁾	D	3SB35 01-0DA01		1	1 unit	102	0.080
Red ²⁾	B			3SB35 01-0DA21		1	1 unit	102	0.080		
Yellow ²⁾	B			3SB35 01-0DA31		1	1 unit	102	0.080		
Green ²⁾	B			3SB35 01-0DA41		1	1 unit	102	0.080		
Blue ²⁾	B			3SB35 01-0DA51		1	1 unit	102	0.080		
White	B			3SB35 01-0DA61		1	1 unit	102	0.080		
Clear ²⁾	B			3SB35 01-0DA71		1	1 unit	102	0.080		

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

²⁾ Inscription is possible by inserting a label.

³⁾ Not suitable for laser inscription.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Metal, Round, 22 mm

Actuators and indicators

Version	Color of handle	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Mushroom pushbuttons with holder¹⁾								
	Mushroom pushbuttons, Ø 30 mm	Black	B	3SB35 00-1DA11		1	1 unit	102 0.080
		Red	B	3SB35 00-1DA21		1	1 unit	102 0.080
		Yellow	B	3SB35 00-1DA31		1	1 unit	102 0.080
		Green	B	3SB35 00-1DA41		1	1 unit	102 0.080
	Mushroom pushbuttons, Ø 40 mm	Black	B	3SB35 00-1GA11		1	1 unit	102 0.085
		Red	B	3SB35 00-1GA21		1	1 unit	102 0.085
		Yellow	B	3SB35 00-1GA31		1	1 unit	102 0.085
		Green	B	3SB35 00-1GA41		1	1 unit	102 0.085
	Mushroom pushbuttons, Ø 60 mm	Black	B	3SB35 00-1QA11		1	1 unit	102 0.090
		Red	B	3SB35 00-1QA21		1	1 unit	102 0.090
		Yellow	B	3SB35 00-1QA31		1	1 unit	102 0.090
		Green	B	3SB35 00-1QA41		1	1 unit	102 0.090
	Illuminated mushroom push-buttons, Ø 30 mm (including holder for 3 elements)	Amber	D	3SB35 01-1DA01		1	1 unit	102 0.080
		Yellow	B	3SB35 01-1DA31		1	1 unit	102 0.080
		Green	B	3SB35 01-1DA41		1	1 unit	102 0.080
		White	B	3SB35 01-1DA61		1	1 unit	102 0.080
	Illuminated mushroom push-buttons, Ø 40 mm (including holder for 3 elements)	Amber	D	3SB35 01-1GA01		1	1 unit	102 0.085
		Yellow	B	3SB35 01-1GA31		1	1 unit	102 0.085
		Green	B	3SB35 01-1GA41		1	1 unit	102 0.085
		White	B	3SB35 01-1GA61		1	1 unit	102 0.085
	Illuminated mushroom push-buttons, Ø 60 mm (including holder for 3 elements)	Amber	D	3SB35 01-1QA01		1	1 unit	102 0.090
		Yellow	B	3SB35 01-1QA31		1	1 unit	102 0.090
		Green	B	3SB35 01-1QA41		1	1 unit	102 0.090
		White	B	3SB35 01-1QA61		1	1 unit	102 0.090
	Push-pull buttons, Ø 30 mm, latching, with pull-to-unlatch	Black	B	3SB35 00-1EA11		1	1 unit	102 0.080
		Red	B	3SB35 00-1EA21		1	1 unit	102 0.080
	Push-pull buttons, Ø 40 mm, latching, with pull-to-unlatch	Black	B	3SB35 00-1CA11		1	1 unit	102 0.085
		Red	B	3SB35 00-1CA21		1	1 unit	102 0.085
		Yellow	B	3SB35 00-1CA31		1	1 unit	102 0.085
		Green	D	3SB35 00-1CA41		1	1 unit	102 0.085
	Push-pull buttons, Ø 60 mm, latching, with pull-to-unlatch	Black	B	3SB35 00-1RA11		1	1 unit	102 0.090
		Red	B	3SB35 00-1RA21		1	1 unit	102 0.090
	Push-pull buttons, Ø 30 mm, latching, with pull-to-unlatch, can be illuminated, (including holder for 3 elements)	Amber	D	3SB35 01-1EA01		1	1 unit	102 0.080
		Red	B	3SB35 01-1EA21		1	1 unit	102 0.080
		Yellow	B	3SB35 01-1EA31		1	1 unit	102 0.080
		Green	B	3SB35 01-1EA41		1	1 unit	102 0.080
	Push-pull buttons, Ø 40 mm, latching, with pull-to-unlatch, can be illuminated, (including holder for 3 elements)	Blue	B	3SB35 01-1EA51		1	1 unit	102 0.080
		Clear	B	3SB35 01-1EA71		1	1 unit	102 0.080
	Push-pull buttons, Ø 40 mm, latching, with pull-to-unlatch, can be illuminated, (including holder for 3 elements)	Amber	D	3SB35 01-1CA01		1	1 unit	102 0.085
		Red	B	3SB35 01-1CA21		1	1 unit	102 0.085
		Yellow	B	3SB35 01-1CA31		1	1 unit	102 0.085
		Green	B	3SB35 01-1CA41		1	1 unit	102 0.085
	Push-pull buttons, Ø 60 mm, latching, with pull-to-unlatch, can be illuminated, (including holder for 3 elements)	Blue	B	3SB35 01-1CA51		1	1 unit	102 0.085
		Clear	B	3SB35 01-1CA71		1	1 unit	102 0.085
	Push-pull buttons, Ø 60 mm, latching, with pull-to-unlatch, can be illuminated, (including holder for 3 elements)	Amber	D	3SB35 01-1RA01		1	1 unit	102 0.090
		Red	B	3SB35 01-1RA21		1	1 unit	102 0.090
		Yellow	B	3SB35 01-1RA31		1	1 unit	102 0.090
		Green	D	3SB35 01-1RA41		1	1 unit	102 0.090
	Blue	B	3SB35 01-1RA51		1	1 unit	102 0.090	
	Clear	D	3SB35 01-1RA71		1	1 unit	102 0.090	







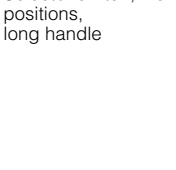



¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

* You can order this quantity or a multiple thereof.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Metal, Round, 22 mm

Actuators and indicators



Version	Version Illumination	Color of handle	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg					
Selector switches with holders														
Selector switches with 2 switch positions														
 <p>Selector switch, 2 switch positions, standard version, 90°</p>	Switching sequence O-I, 90° operating angle, latching		▶	Non-illuminated, standard version¹⁾	Black	A	3SB35 00-2HA11	1	1 unit	102	0.080			
				Red	D	3SB35 00-2HA21	1	1 unit	102	0.080				
				Green	B	3SB35 00-2HA41	1	1 unit	102	0.080				
				White	B	3SB35 00-2HA61	1	1 unit	102	0.080				
 <p>Selector switch, 2 switch positions, standard version, 90°</p>	Non-illuminated, with solvent-resistant knob¹⁾	Black	B	3SB35 00-2HA11-0PA0	1	1 unit	102	0.080						
				Red	B	3SB35 00-2HA21-0PA0	1	1 unit	102	0.080				
				Green	B	3SB35 00-2HA41-0PA0	1	1 unit	102	0.080				
				 <p>Selector switch, 2 switch positions, standard version, 50°</p>	Switching sequence O-I, 50° operating angle, latching		▶	Non-illuminated, standard version¹⁾	Amber	C	3SB35 01-2HA01	1	1 unit	102
Red	C	3SB35 01-2HA21	1					1 unit	102	0.100				
Yellow	C	3SB35 01-2HA31	1					1 unit	102	0.100				
Green	C	3SB35 01-2HA41	1					1 unit	102	0.100				
 <p>Selector switch, 2 switch positions, standard version, 50°</p>	Non-illuminated, with solvent-resistant knob¹⁾	Black	B	3SB35 00-2KA11-0PA0	1	1 unit	102	0.080						
				Red	D	3SB35 00-2KA21-0PA0	1	1 unit	102	0.080				
				Green	B	3SB35 00-2KA41	1	1 unit	102	0.080				
				White	B	3SB35 00-2KA61	1	1 unit	102	0.080				
 <p>Selector switch, 2 switch positions, heavy-duty version</p>	Non-illuminated, with solvent-resistant knob¹⁾	Black	D	3SB35 00-2KA11-0PA0	1	1 unit	102	0.080						
				Red	D	3SB35 00-2KA21-0PA0	1	1 unit	102	0.080				
				Green	D	3SB35 00-2KA41-0PA0	1	1 unit	102	0.080				
				Blue	D	3SB35 00-2KA51-0PA0	1	1 unit	102	0.080				
 <p>Selector switch, 2 switch positions, heavy-duty version</p>	Non-illuminated, with solvent-resistant knob¹⁾	Clear	D	3SB35 00-2KA71-0PA0	1	1 unit	102	0.080						
				 <p>Selector switch, 2 switch positions, heavy-duty version</p>	Illuminated, standard version¹⁾ , (including holder for 3 elements)	Amber	B	3SB35 01-2KA01	1	1 unit	102	0.080		
								Red	B	3SB35 01-2KA21	1	1 unit	102	0.080
								Yellow	B	3SB35 01-2KA31	1	1 unit	102	0.080
Green	B	3SB35 01-2KA41	1					1 unit	102	0.080				
 <p>Selector switch, 2 switch positions, heavy-duty version</p>	Illuminated, with solvent-resistant knob¹⁾	Blue	B	3SB35 01-2KA51	1	1 unit	102	0.080						
				Clear	B	3SB35 01-2KA71	1	1 unit	102	0.080				
				<p>Selector switch, 2 switch positions, heavy-duty version</p>	Illuminated, with solvent-resistant knob¹⁾	Red	D	3SB35 01-2KA21-0PA0	1	1 unit	102	0.080		
								Green	D	3SB35 01-2KA41-0PA0	1	1 unit	102	0.080
Blue	D	3SB35 01-2KA51-0PA0	1					1 unit	102	0.080				
Clear	D	3SB35 01-2KA71-0PA0	1					1 unit	102	0.080				
<p>Selector switch, 2 switch positions, long handle</p>	Non-illuminated, heavy-duty version	Black	B	3SB35 00-2PA11	1	1 unit	102	0.110						
				Red	C	3SB35 00-2PA21	1	1 unit	102	0.110				
				Green	C	3SB35 00-2PA41	1	1 unit	102	0.110				
				White	C	3SB35 00-2PA61	1	1 unit	102	0.110				
<p>Selector switch, 2 switch positions, long handle</p>	Illuminated, heavy-duty version , (including holder for 3 elements)	Amber	C	3SB35 01-2PA01	1	1 unit	102	0.110						
				Red	C	3SB35 01-2PA21	1	1 unit	102	0.110				
				Yellow	C	3SB35 01-2PA31	1	1 unit	102	0.110				
				Green	C	3SB35 01-2PA41	1	1 unit	102	0.110				
<p>Selector switch, 2 switch positions, long handle</p>	Non-illuminated, long handle	Blue	C	3SB35 01-2PA51	1	1 unit	102	0.110						
				Clear	C	3SB35 01-2PA71	1	1 unit	102	0.110				
				<p>Selector switch, 2 switch positions, long handle</p>	Non-illuminated, long handle	Black	C	3SB35 00-3PA11	1	1 unit	102	0.110		
								Red	C	3SB35 00-3PA21	1	1 unit	102	0.110
Green	C	3SB35 00-3PA41	1					1 unit	102	0.110				
White	C	3SB35 00-3PA61	1					1 unit	102	0.110				
<p>Selector switch, 2 switch positions, long handle</p>	Illuminated, long handle , (including holder for 3 elements)	Red	C	3SB35 01-3PA21	1	1 unit	102	0.110						
				Yellow	C	3SB35 01-3PA31	1	1 unit	102	0.110				
				Green	C	3SB35 01-3PA41	1	1 unit	102	0.110				
				Blue	C	3SB35 01-3PA51	1	1 unit	102	0.110				
<p>Selector switch, 2 switch positions, long handle</p>	Illuminated, long handle , (including holder for 3 elements)	Clear	C	3SB35 01-3PA71	1	1 unit	102	0.110						

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Metal, Round, 22 mm

Actuators and indicators






Version	Version Illumination	Color of handle	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Selector switches with holders										
Selector switches with 2 switch positions										
 <p>Selector switch, 2 switch positions, standard version</p>	Switching sequence O-I, 50° operating angle, momentary contact type 	Non-illuminated, standard version¹⁾	Black	▶	3SB35 00-2LA11		1	1 unit	102	0.080
			Red	B	3SB35 00-2LA21		1	1 unit	102	0.080
			Green	B	3SB35 00-2LA41		1	1 unit	102	0.080
			White	B	3SB35 00-2LA61		1	1 unit	102	0.080
		Non-illuminated, with solvent-resistant knob¹⁾	Black	B	3SB35 00-2LA11-0PA0		1	1 unit	102	0.080
			Red	B	3SB35 00-2LA21-0PA0		1	1 unit	102	0.080
			Green	B	3SB35 00-2LA41-0PA0		1	1 unit	102	0.080
		Illuminated, standard version¹⁾, (including holder for 3 elements)	Amber	D	3SB35 01-2LA01		1	1 unit	102	0.080
			Red	B	3SB35 01-2LA21		1	1 unit	102	0.080
			Yellow	B	3SB35 01-2LA31		1	1 unit	102	0.080
			Green	B	3SB35 01-2LA41		1	1 unit	102	0.080
			Blue	B	3SB35 01-2LA51		1	1 unit	102	0.080
			Clear	B	3SB35 01-2LA71		1	1 unit	102	0.080
Illuminated, with solvent-resistant knob¹⁾, (including holder for 3 elements)	Red		D	3SB35 01-2LA21-0PA0		1	1 unit	102	0.080	
	Green	D	3SB35 01-2LA41-0PA0		1	1 unit	102	0.080		
	Blue	D	3SB35 01-2LA51-0PA0		1	1 unit	102	0.080		
	Clear	B	3SB35 01-2LA71-0PA0		1	1 unit	102	0.080		
Non-illuminated, heavy-duty version	Black	C	3SB35 00-2QA11		1	1 unit	102	0.100		
	Red	C	3SB35 00-2QA21		1	1 unit	102	0.100		
	Green	C	3SB35 00-2QA41		1	1 unit	102	0.100		
	White	C	3SB35 00-2QA61		1	1 unit	102	0.100		
Illuminated, heavy-duty version, (including holder for 3 elements)	Amber	C	3SB35 01-2QA01		1	1 unit	102	0.100		
	Red	C	3SB35 01-2QA21		1	1 unit	102	0.100		
	Yellow	C	3SB35 01-2QA31		1	1 unit	102	0.100		
	Green	C	3SB35 01-2QA41		1	1 unit	102	0.100		
	Blue	C	3SB35 01-2QA51		1	1 unit	102	0.100		
	Clear	C	3SB35 01-2QA71		1	1 unit	102	0.100		
Non-illuminated, long handle	Black	C	3SB35 00-3QA11		1	1 unit	102	0.100		
	Red	C	3SB35 00-3QA21		1	1 unit	102	0.100		
	Green	C	3SB35 00-3QA41		1	1 unit	102	0.100		
Illuminated, long handle, (including holder for 3 elements)	Red	C	3SB35 01-3QA21		1	1 unit	102	0.100		
	Yellow	C	3SB35 01-3QA31		1	1 unit	102	0.100		
	Green	C	3SB35 01-3QA41		1	1 unit	102	0.100		
	Blue	C	3SB35 01-3QA51		1	1 unit	102	0.100		
	Clear	C	3SB35 01-3QA71		1	1 unit	102	0.100		

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Metal, Round, 22 mm

Actuators and indicators







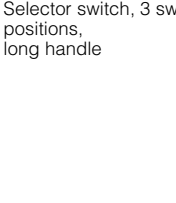






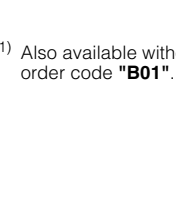
Version	Version Illumination	Color of handle	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Selector switches with holders										
 <p>Selector switch, 3 switch positions, standard version</p>	Selector switches with 3 switch positions									
	Switching sequence I-O-II, 2 x 50° operating angle, latching	Non-illuminated, standard version¹⁾	Black	▶	3SB35 00-2DA11		1	1 unit	102	0.080
			Red	B	3SB35 00-2DA21		1	1 unit	102	0.080
			Green	B	3SB35 00-2DA41		1	1 unit	102	0.080
			White	B	3SB35 00-2DA61		1	1 unit	102	0.080
		Non-illuminated, with solvent-resistant knob¹⁾	Black	B	3SB35 00-2DA11-0PA0		1	1 unit	102	0.080
			Red	B	3SB35 00-2DA21-0PA0		1	1 unit	102	0.080
			Green	B	3SB35 00-2DA41-0PA0		1	1 unit	102	0.080
			Clear	B	3SB35 00-2DA71-0PA0		1	1 unit	102	0.080
	 <p>Selector switch, 3 switch positions, heavy-duty version</p>	Illuminated, standard version¹⁾ (including holder for 3 elements)	Amber	D	3SB35 01-2DA01		1	1 unit	102	0.080
			Red	B	3SB35 01-2DA21		1	1 unit	102	0.080
			Yellow	B	3SB35 01-2DA31		1	1 unit	102	0.080
			Green	B	3SB35 01-2DA41		1	1 unit	102	0.080
			Blue	B	3SB35 01-2DA51		1	1 unit	102	0.080
Clear			B	3SB35 01-2DA71		1	1 unit	102	0.080	
Illuminated, with solvent-resistant knob¹⁾ (including holder for 3 elements)			Red	B	3SB35 01-2DA21-0PA0		1	1 unit	102	0.080
	Green	D	3SB35 01-2DA41-0PA0		1	1 unit	102	0.080		
	Blue	B	3SB35 01-2DA51-0PA0		1	1 unit	102	0.080		
	Clear	D	3SB35 01-2DA71-0PA0		1	1 unit	102	0.080		
 <p>Selector switch, 3 switch positions, long handle</p>	Non-illuminated, heavy-duty version	Black	B	3SB35 00-2SA11		1	1 unit	102	0.100	
		Red	C	3SB35 00-2SA21		1	1 unit	102	0.100	
		Green	C	3SB35 00-2SA41		1	1 unit	102	0.100	
		White	C	3SB35 00-2SA61		1	1 unit	102	0.100	
	Illuminated, heavy-duty version, (including holder for 3 elements)	Amber	C	3SB35 01-2SA01		1	1 unit	102	0.100	
		Red	C	3SB35 01-2SA21		1	1 unit	102	0.100	
		Yellow	C	3SB35 01-2SA31		1	1 unit	102	0.100	
		Green	C	3SB35 01-2SA41		1	1 unit	102	0.100	
		Blue	C	3SB35 01-2SA51		1	1 unit	102	0.100	
	Non-illuminated, long handle	Black	C	3SB35 00-3SA11		1	1 unit	102	0.100	
		Red	C	3SB35 00-3SA21		1	1 unit	102	0.100	
		Green	C	3SB35 00-3SA41		1	1 unit	102	0.100	
Illuminated, long handle (including holder for 3 elements)	White	C	3SB35 00-3SA61		1	1 unit	102	0.100		
	Red	C	3SB35 01-3SA21		1	1 unit	102	0.100		
	Yellow	C	3SB35 01-3SA31		1	1 unit	102	0.100		
	Green	C	3SB35 01-3SA41		1	1 unit	102	0.100		
	Blue	C	3SB35 01-3SA51		1	1 unit	102	0.100		
	Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type	Non-illuminated, standard version¹⁾	Black	▶	3SB35 00-2EA11		1	1 unit	102	0.080
			Red	B	3SB35 00-2EA21		1	1 unit	102	0.080
			Green	B	3SB35 00-2EA41		1	1 unit	102	0.080
			White	B	3SB35 00-2EA61		1	1 unit	102	0.080
	Non-illuminated, with solvent-resistant knob¹⁾	Black	B	3SB35 00-2EA11-0PA0		1	1 unit	102	0.080	
		Red	B	3SB35 00-2EA21-0PA0		1	1 unit	102	0.080	
		Green	B	3SB35 00-2EA41-0PA0		1	1 unit	102	0.080	
		Clear	B	3SB35 00-2EA71-0PA0		1	1 unit	102	0.080	
	Illuminated, standard version¹⁾ (including holder for 3 elements)	Amber	D	3SB35 01-2EA01		1	1 unit	102	0.080	
		Red	B	3SB35 01-2EA21		1	1 unit	102	0.080	
		Yellow	B	3SB35 01-2EA31		1	1 unit	102	0.080	
		Green	B	3SB35 01-2EA41		1	1 unit	102	0.080	
		Blue	B	3SB35 01-2EA51		1	1 unit	102	0.080	
	Illuminated, with solvent-resistant knob¹⁾ (including holder for 3 elements)	Clear	B	3SB35 01-2EA71		1	1 unit	102	0.080	
Red		B	3SB35 01-2EA21-0PA0		1	1 unit	102	0.080		
Green		B	3SB35 01-2EA41-0PA0		1	1 unit	102	0.080		
Blue		B	3SB35 01-2EA51-0PA0		1	1 unit	102	0.080		
Clear		D	3SB35 01-2EA71-0PA0		1	1 unit	102	0.080		

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Metal, Round, 22 mm

Actuators and indicators

Version	Version Illumination	Color of handle	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Selector switches with holders										
Selector switches with 3 switch positions										
 <p>Selector switch, 3 switch positions, standard version</p>	Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type	Non-illuminated, heavy-duty version	Black	B	3SB35 00-2TA11		1	1 unit	102	0.100
			Red	C	3SB35 00-2TA21		1	1 unit	102	0.100
			Green	C	3SB35 00-2TA41		1	1 unit	102	0.100
			White	C	3SB35 00-2TA61		1	1 unit	102	0.100
		Illuminated, heavy-duty version , (including holder for 3 elements)	Amber	C	3SB35 01-2TA01		1	1 unit	102	0.100
			Red	C	3SB35 01-2TA21		1	1 unit	102	0.100
			Yellow	C	3SB35 01-2TA31		1	1 unit	102	0.100
			Green	C	3SB35 01-2TA41		1	1 unit	102	0.100
			Blue	C	3SB35 01-2TA51		1	1 unit	102	0.100
			Clear	C	3SB35 01-2TA71		1	1 unit	102	0.100
	 <p>Selector switch, 3 switch positions, long handle</p>	Non-illuminated, long handle	Black	C	3SB35 00-3TA11		1	1 unit	102	0.100
			Red	C	3SB35 00-3TA21		1	1 unit	102	0.100
Green			C	3SB35 00-3TA41		1	1 unit	102	0.100	
White			D	3SB35 00-3TA61		1	1 unit	102	0.100	
	Illuminated, long handle (including holder for 3 elements)	Red	C	3SB35 01-3TA21		1	1 unit	102	0.100	
		Yellow	C	3SB35 01-3TA31		1	1 unit	102	0.100	
		Green	C	3SB35 01-3TA41		1	1 unit	102	0.100	
		Blue	C	3SB35 01-3TA51		1	1 unit	102	0.100	
		Clear	C	3SB35 01-3TA71		1	1 unit	102	0.100	
		 <p>Selector switch, 3 switch positions, heavy-duty version</p>	Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type to the left, latching to the right	Non-illuminated, standard version¹⁾	Black	B	3SB35 00-2GA11		1	1 unit
Red	B				3SB35 00-2GA21		1	1 unit	102	0.080
Green	B				3SB35 00-2GA41		1	1 unit	102	0.080
White	B				3SB35 00-2GA61		1	1 unit	102	0.080
	Illuminated, standard version¹⁾ , (including holder for 3 elements)		Amber	D	3SB35 01-2GA01		1	1 unit	102	0.080
			Red	D	3SB35 01-2GA21		1	1 unit	102	0.080
			Yellow	D	3SB35 01-2GA31		1	1 unit	102	0.080
			Green	B	3SB35 01-2GA41		1	1 unit	102	0.080
			Blue	D	3SB35 01-2GA51		1	1 unit	102	0.080
			Clear	D	3SB35 01-2GA71		1	1 unit	102	0.080
 <p>Selector switch, 3 switch positions, long handle</p>	Non-illuminated, heavy-duty version		Black	C	3SB35 00-2VA11		1	1 unit	102	0.100
			Red	C	3SB35 00-2VA21		1	1 unit	102	0.100
		Green	C	3SB35 00-2VA41		1	1 unit	102	0.100	
		White	C	3SB35 00-2VA61		1	1 unit	102	0.100	
	Illuminated, heavy-duty version	Amber	C	3SB35 01-2VA01		1	1 unit	102	0.100	
		Red	C	3SB35 01-2VA21		1	1 unit	102	0.100	
		Yellow	C	3SB35 01-2VA31		1	1 unit	102	0.100	
		Green	C	3SB35 01-2VA41		1	1 unit	102	0.100	
		Blue	C	3SB35 01-2VA51		1	1 unit	102	0.100	
		Clear	C	3SB35 01-2VA71		1	1 unit	102	0.100	
 <p>Selector switch, 3 switch positions, long handle</p>	Non-illuminated, long handle	Black	C	3SB35 00-3VA11		1	1 unit	102	0.100	
		Red	C	3SB35 00-3VA21		1	1 unit	102	0.100	
 <p>Selector switch, 3 switch positions, standard version</p>	Switching sequence I-O-II, 2 x 50° operating angle, latching to the left, momentary contact type to the right	Non-illuminated, standard version¹⁾	Black	B	3SB35 00-2FA11		1	1 unit	102	0.080
			Red	D	3SB35 00-2FA21		1	1 unit	102	0.080
			Green	B	3SB35 00-2FA41		1	1 unit	102	0.080
			White	B	3SB35 00-2FA61		1	1 unit	102	0.080
		Illuminated, standard version¹⁾ , (including holder for 3 elements)	Amber	D	3SB35 01-2FA01		1	1 unit	102	0.080
			Red	D	3SB35 01-2FA21		1	1 unit	102	0.080
			Yellow	D	3SB35 01-2FA31		1	1 unit	102	0.080
			Green	B	3SB35 01-2FA41		1	1 unit	102	0.080
			Blue	D	3SB35 01-2FA51		1	1 unit	102	0.080
			Clear	B	3SB35 01-2FA71		1	1 unit	102	0.080
	 <p>Selector switch, 3 switch positions, standard version</p>	Non-illuminated, heavy-duty version	Black	C	3SB35 00-2UA11		1	1 unit	102	0.110
			Red	C	3SB35 00-2UA21		1	1 unit	102	0.110
Green			C	3SB35 00-2UA41		1	1 unit	102	0.110	
White			C	3SB35 00-2UA61		1	1 unit	102	0.110	
	Illuminated, heavy-duty version	Amber	C	3SB35 01-2UA01		1	1 unit	102	0.110	
		Red	C	3SB35 01-2UA21		1	1 unit	102	0.110	
		Yellow	C	3SB35 01-2UA31		1	1 unit	102	0.110	
		Green	C	3SB35 01-2UA41		1	1 unit	102	0.110	
		Blue	C	3SB35 01-2UA51		1	1 unit	102	0.110	
		Clear	C	3SB35 01-2UA71		1	1 unit	102	0.110	
 <p>Selector switch, 3 switch positions, long handle</p>	Non-illuminated, long handle	Black	C	3SB35 00-3UA11		1	1 unit	102	0.100	
		Red	C	3SB35 00-3UA21		1	1 unit	102	0.100	
		Green	C	3SB35 00-3UA41		1	1 unit	102	0.100	
		White	C	3SB35 00-3UA61		1	1 unit	102	0.100	

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

3SB3 Pushbuttons and Indicator Lights, 22 mm








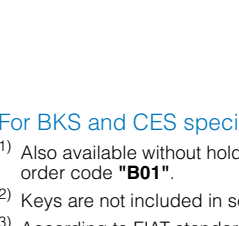

Actuators and Indicators, Metal, Round, 22 mm

Actuators and indicators

Version	Lock version		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Type	Lock No./ color							

kg

Key-operated switches with holder¹⁾

		Lock version		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.			
Type	Lock No./ color	Type	Lock No./ color										
Key-operated switches with 2 keys, 2 switch positions													
 RONIS key-operated switch	Switching sequence O-I, 50° operating angle, latching	RONIS	SB 30	O+I	▶	3SB35 00-4AD11	1	1 unit	102	0.110			
				O	▶	3SB35 00-4AD01	1	1 unit	102	0.110			
				I	B	3SB35 00-4AD21	1	1 unit	102	0.110			
 CES key-operated switch		CES	SSG 10	O+I	▶	3SB35 00-4LD11	1	1 unit	102	0.190			
				O	▶	3SB35 00-4LD01	1	1 unit	102	0.190			
				I	B	3SB35 00-4LD21	1	1 unit	102	0.190			
		LSG 1	O+I	B	3SB35 00-4LF01	1	1 unit	102	0.190				
			O	B	3SB35 00-4LF11	1	1 unit	102	0.190				
		 BKS key-operated switch		BKS	S1	O+I	B	3SB35 00-5AD11	1	1 unit	102	0.190	
O	B					3SB35 00-5AD01	1	1 unit	102	0.190			
E1 for VW ²⁾	O			B	3SB35 00-5AE11	1	1 unit	102	0.180				
E2 for VW ²⁾	O+I			B	3SB35 00-5AE21	1	1 unit	102	0.180				
	O			B	3SB35 00-5AE31	1	1 unit	102	0.180				
E7 for VW ²⁾	O+I	B	3SB35 00-5AE41	1	1 unit	102	0.180						
E9 for VW ²⁾	O	B	3SB35 00-5AE51	1	1 unit	102	0.180						
 BKS key-operated switch		O.M.R. ³⁾	73038	O+I	B	3SB35 00-3AG11	1	1 unit	102	0.170			
				Light blue	O	B	3SB35 00-3AG01	1	1 unit	102	0.170		
				I	B	3SB35 00-3AG21	1	1 unit	102	0.170			
		73037	Red	O+I	B	3SB35 00-3AH11	1	1 unit	102	0.170			
				O	B	3SB35 00-3AH01	1	1 unit	102	0.170			
				I	B	3SB35 00-3AH21	1	1 unit	102	0.170			
		73034	Black	O+I	B	3SB35 00-3AJ11	1	1 unit	102	0.170			
				O	B	3SB35 00-3AJ01	1	1 unit	102	0.170			
				I	B	3SB35 00-3AJ21	1	1 unit	102	0.170			
		73033	Yellow	O+I	B	3SB35 00-3AK11	1	1 unit	102	0.170			
O	B			3SB35 00-3AK01	1	1 unit	102	0.170					
I	B			3SB35 00-3AK21	1	1 unit	102	0.170					
 O.M.R. key-operated switch		RONIS	SB 30	O	▶	3SB35 00-4BD01	1	1 unit	102	0.110			
				CES	SSG 10	O	▶	3SB35 00-4MD01	1	1 unit	102	0.190	
		LSG 1	O	B		3SB35 00-4MF11	1	1 unit	102	0.190			
		BKS	S1	O	B	3SB35 00-5BD01	1	1 unit	102	0.190			
		O.M.R. ³⁾	73038	Light blue	O	B	3SB35 00-3BG01	1	1 unit	102	0.170		
					73037	Red	O	B	3SB35 00-3BH01	1	1 unit	102	0.170
					O		B	3SB35 00-3BJ01	1	1 unit	102	0.170	
73033	Yellow				O	B	3SB35 00-3BK01	1	1 unit	102	0.170		

For BKS and CES special locks, see page 9/65.

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "**B01**".

²⁾ Keys are not included in scope of supply.

³⁾ According to FIAT standards; also available for other users.

3SB3 Pushbuttons and Indicator Lights, 22 mm

















Actuators and Indicators, Metal, Round, 22 mm

Actuators and indicators

Version	Lock version		DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	Type	Lock No./ color							

kg

Key-operated switches with holder¹⁾

		Key-operated switches with 2 keys, 3 switch positions												
 RONIS key-operated switch	Switching sequence I-O-II, 2 x 50° operating angle, latching	RONIS	SB 30	I+O+II	B	3SB35 00-4DD11	1	1 unit	102	0.110				
				O	B	3SB35 00-4DD01	1	1 unit	102	0.110				
				I+II	B	3SB35 00-4DD41	1	1 unit	102	0.110				
				I	B	3SB35 00-4DD21	1	1 unit	102	0.110				
				II	B	3SB35 00-4DD31	1	1 unit	102	0.110				
				O+I	B	3SB35 00-4DD51	1	1 unit	102	0.110				
 CES key-operated switch		CES	SSG 10	O+I+II	B	3SB35 00-4PD11	1	1 unit	102	0.190				
				O	B	3SB35 00-4PD01	1	1 unit	102	0.190				
				I+II	B	3SB35 00-4PD41	1	1 unit	102	0.190				
				I	B	3SB35 00-4PD21	1	1 unit	102	0.190				
				II	B	3SB35 00-4PD31	1	1 unit	102	0.190				
				 BKS key-operated switch	Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type	BKS	S1	O	C	3SB35 00-5DD01	1	1 unit	102	0.190
I+II	C	3SB35 00-5DD41	1					1 unit	102	0.190				
	O.M.R. ²⁾	73038	Light blue					I+O+II	B	3SB35 00-3DG11	1	1 unit	102	0.170
								73037	Red	3SB35 00-3DH11	1	1 unit	102	0.170
 BKS key-operated switch	Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type to the left, latching to the right	RONIS	SB 30	O	B	3SB35 00-4ED01	1	1 unit	102	0.110				
					CES	SSG 10	O	B	3SB35 00-4QD01	1	1 unit	102	0.190	
							BKS	S1	O	B	3SB35 00-5ED01	1	1 unit	102
					O.M.R.	73034	Black	O	B	3SB35 00-3EJ01	1	1 unit	102	0.170
O	B	3SB35 00-3DJ01	1					1 unit	102	0.170				
 O.M.R. key-operated switch	Switching sequence I-O-II, 2 x 50° operating angle, momentary contact type to the left, latching to the right	RONIS	SB 30	O+II	B	3SB35 00-4GD61	1	1 unit	102	0.110				
				O	B	3SB35 00-4GD01	1	1 unit	102	0.110				
			CES	SSG 10	O+II	B	3SB35 00-4SD61	1	1 unit	102	0.190			
					O	B	3SB35 00-4SD01	1	1 unit	102	0.190			
			BKS	S1	O+II	C	3SB35 00-5GD61	1	1 unit	102	0.190			
					O	C	3SB35 00-5GD01	1	1 unit	102	0.190			
			O.M.R.	73033	Yellow	II	C	3SB35 00-3GK31	1	1 unit	102	0.170		
							RONIS	SB 30	O+I	B	3SB35 00-4FD51	1	1 unit	102
			CES	SSG 10	O+I				B	3SB35 00-4RD51	1	1 unit	102	0.190
					O				B	3SB35 00-4RD01	1	1 unit	102	0.190
	BKS	S1	O+I	C	3SB35 00-5FD51				1	1 unit	102	0.190		
			O	B	3SB35 00-5FD01	1	1 unit	102	0.190					
	I	B	B	3SB35 00-5FD21	1	1 unit	102	0.190						

For BKS and CES special locks, see page 9/65.

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

²⁾ According to FIAT standards; also available for other users.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Metal, Round, 22 mm

Actuators and indicators

Version	Color of handle	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
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EMERGENCY-STOP devices according to ISO 13850 and IEC 60947-5-5 with holder¹⁾²⁾. Can also be used with 3TK28 safety relays.



Mushroom diameter 32 mm

EMERGENCY-STOP mushroom pushbuttons, Ø 32 mm, with positive latching acc. to ISO 13850, with rotate-to-unlatch mechanism

Red

B

3SB35 00-1FA20

1

1 unit

102

0.110



Mushroom diameter 40 mm, with rotate-to-unlatch mechanism, with switch position indication

EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with positive latching acc. to ISO 13850, with rotate-to-unlatch mechanism

Red

- Standard version
- With mechanical switch position indication

▶

3SB35 00-1HA20

1

1 unit

102

0.120

A

3SB35 00-1HA26

1

1 unit

102

0.120



Mushroom diameter 40 mm, pull-to-unlatch mechanism

With pull-to-unlatch mechanism

Red

B

3SB35 00-1TA20

1

1 unit

102

0.120

EMERGENCY-STOP mushroom pushbuttons, Ø 60 mm, with positive latching acc. to ISO 13850, with rotate-to-unlatch mechanism

Red

B

3SB35 00-1AA20

1

1 unit

102

0.140



Mushroom diameter 60 mm

EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with RONIS key-operated switch, (with 2 keys), lock No. SB 30, with positive latching acc. to ISO 13850, unlocking only possible using key

Red

B

3SB35 00-1BA20

1

1 unit

102

0.140

EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with CES key-operated switch, (with 2 keys), lock No. SSG 10, with positive latching acc. to ISO 13850, unlocking only possible using key

Red

B

3SB35 00-1KA20

1

1 unit

102

0.170



Mushroom diameter 40 mm, with RONIS key-operated switch

EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with BKS key-operated switch, (with 2 keys), lock No. S1, with positive latching acc. to ISO 13850, unlocking only possible using key

Red

B

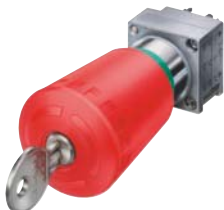
3SB35 00-1LA20

1

1 unit

102

0.170



Mushroom diameter 40 mm, with CES key-operated switch

EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with O.M.R. key-operated switch (with 2 keys), lock No. 73037, with positive latching acc. to ISO 13850, unlocking only using key

Red

B

3SB35 00-1MA20

1

1 unit

102

0.180

For BKS and CES special locks, see page 9/65.


¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".

²⁾ The yellow backing plates must be ordered separately, see Accessories.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Actuators and Indicators, Metal, Round, 22 mm

Actuators and indicators

Version	Color of lens	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg		
Signaling elements with holder¹⁾										
	Indicator lights with lens with concentric rings²⁾	Amber	B	3SB35 01-6BA00		1	1 unit	102	0.060	
		Red	▶	3SB35 01-6BA20		1	1 unit	102	0.060	
		Yellow	B	3SB35 01-6BA30		1	1 unit	102	0.060	
		Green	▶	3SB35 01-6BA40		1	1 unit	102	0.060	
		Blue	B	3SB35 01-6BA50		1	1 unit	102	0.060	
		White	B	3SB35 01-6BA60		1	1 unit	102	0.060	
		Clear	▶	3SB35 01-6BA70		1	1 unit	102	0.060	
		<hr/>								
		Indicator lights with smooth lens²⁾	Amber	B	3SB35 01-6AA00		1	1 unit	102	0.060
			Red	B	3SB35 01-6AA20		1	1 unit	102	0.060
Yellow	B		3SB35 01-6AA30		1	1 unit	102	0.060		
Green	B		3SB35 01-6AA40		1	1 unit	102	0.060		
Blue	B		3SB35 01-6AA50		1	1 unit	102	0.060		
White	▶		3SB35 01-6AA60		1	1 unit	102	0.060		
Clear	B		3SB35 01-6AA70		1	1 unit	102	0.060		
<hr/>										
Indicator lights with smooth solvent-resistant lens²⁾³⁾	Red	C	3SB35 01-6AA20-0PA0		1	1 unit	102	0.060		
	Yellow	D	3SB35 01-6AA30-0PA0		1	1 unit	102	0.060		
	Green	C	3SB35 01-6AA40-0PA0		1	1 unit	102	0.060		
	Blue	D	3SB35 01-6AA50-0PA0		1	1 unit	102	0.060		
	White	C	3SB35 01-6AA60-0PA0		1	1 unit	102	0.060		
	Clear	C	3SB35 01-6AA70-0PA0		1	1 unit	102	0.060		

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01".


²⁾ Inscription by inserting a label is not possible.

³⁾ Not suitable for laser inscription.



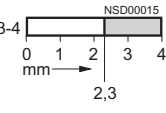

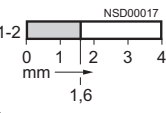
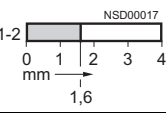


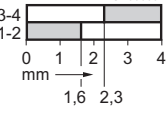

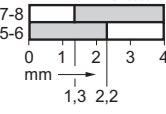

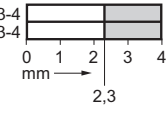

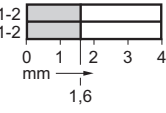

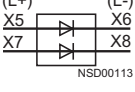
3SB3 Pushbuttons and Indicator Lights, 22 mm

Components for Actuators and Indicators

Contact blocks and lampholders

Selection and ordering data		Version	Diagram	Operating travel	DT	Screw terminals 	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
				<input type="checkbox"/> Contact closed <input type="checkbox"/> Contact open						
						Order No.	Price per PU			kg

Contact blocks for front plate mounting



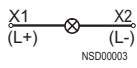
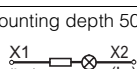

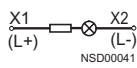
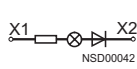

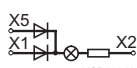
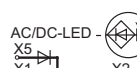
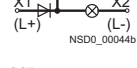
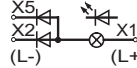

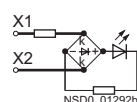
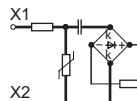
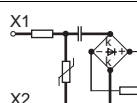


 3SB34 00-0B	Contact blocks with one contact • Mounting depth: 50 mm 1 NO 1 NO with gold-plated contacts	 	▶ 3SB34 00-0B C 3SB34 00-0BA	1 1 unit 102 0.011 1 1 unit 102 0.011	
	1 NC 1 NC with gold-plated contacts	 	▶ 3SB34 00-0C C 3SB34 00-0CA	1 1 unit 102 0.011 1 1 unit 102 0.011	
	• With mounting monitoring contact ²⁾ , mounting depth 63 mm 1 NC		B 3SB34 00-0M	1 1 unit 102 0.018	
 3SB34 00-0A	Contact blocks with 2 contacts Mounting depth 63 mm (including unit labeling plate) 1 NO + 1 NC 1 NO + 1 NC with gold-plated contacts	 	▶ 3SB34 00-0A B 3SB34 00-0AA	1 1 unit 102 0.018 1 1 unit 102 0.018	
	1 NO leading + 1 NC lagging 1 NO leading + 1 NC lagging with gold-plated contacts	 	B 3SB34 00-0H D 3SB34 00-0HA	1 1 unit 102 0.018 1 1 unit 102 0.018	
	2 NO 2 NO with gold-plated contacts	 	B 3SB34 00-0D B 3SB34 00-0DA	1 1 unit 102 0.018 1 1 unit 102 0.018	
	2 NC 2 NC with gold-plated contacts	 	B 3SB34 00-0E B 3SB34 00-0EA	1 1 unit 102 0.018 1 1 unit 102 0.018	
	 3SB34 00-2A	Blocks with 2 diodes type 1N 4007 Mounting depth: 63 mm $U_{RMS} = \text{max. } 250 \text{ V}$ $I_{FAV} = 0.8 \text{ A}$ at $T_U = 60 \text{ °C}$		B 3SB34 00-2A	1 1 unit 102 0.018

1) Positive opening according to IEC 60947-5-1, Appendix K.
 2) The NC contact opens automatically upon disconnection of the actuator. On delivery, the contact is open (= safe state). Activation (= NC contacts on the non-actuated control device are closed) takes place upon first-time actuation after the contact block is snapped onto the actuator.
 Unsuitable for mounting in 3SB38 enclosures.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Components for Actuators and Indicators

Contact blocks and lampholders

Version	Diagram	Rated voltage of lamp	DT	Screw terminals 	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
		V		Order No.	Price per PU			kg
Contact blocks for front plate mounting								
	BA 9s lampholders, mounting depth 50 mm							
	Without lamp		Acc. to lamp	▶ 3SB34 00-1A	1	1 unit	102	0.010
	With 24 V incandescent lamp (3SX1 344)		24 AC/DC	B 3SB34 00-1D	1	1 unit	102	0.012
	BA 9s lampholders, mounting depth 50 mm							
	With built-in resistor for longer endurance and with 130 V lamp (3SX1 731) ¹⁾		110/130 AC/DC	B 3SB34 00-1B	1	1 unit	102	0.013
	With integrated voltage reducer and with 130 V lamp (3SX1 731) ¹⁾		230 / 240 AC	B 3SB34 00-1C	1	1 unit	102	0.013
	BA 9s lampholders with separate lamp test function²⁾³⁾							
	With integrated voltage reducer and with 130 V lamp (3SX1 731) ¹⁾		230 / 240 AC	B 3SB34 00-1F	1	1 unit	102	0.019
	Without lamp		Acc. to lamp	B 3SB34 00-1G	1	1 unit	102	0.016
	For incandescent lamp, max. 2.6 W; for LED lamp, 24/48/230 V AC/DC ⁴⁾			B 3SB34 00-1L	1	1 unit	102	0.017
	Without lamp		Acc. to lamp	B 3SB34 00-1H	1	1 unit	102	0.016
	Lampholders with integrated LED							
	Mounting depth: 50 mm							
	Yellow		24 AC/DC	B 3SB34 00-1PA	1	1 unit	102	0.011
	Red		B 3SB34 00-1PB	1	1 unit	102	0.011	
	Green		B 3SB34 00-1PC	1	1 unit	102	0.011	
	Blue		B 3SB34 00-1PD	1	1 unit	102	0.011	
	White		B 3SB34 00-1PE	1	1 unit	102	0.011	
	Yellow		110 AC	B 3SB34 00-1QA	1	1 unit	102	0.012
	Red		B 3SB34 00-1QB	1	1 unit	102	0.012	
	Green		B 3SB34 00-1QC	1	1 unit	102	0.012	
	Blue		B 3SB34 00-1QD	1	1 unit	102	0.012	
	White		B 3SB34 00-1QE	1	1 unit	102	0.012	
	Yellow		230 AC	B 3SB34 00-1RA	1	1 unit	102	0.012
	Red		B 3SB34 00-1RB	1	1 unit	102	0.012	
	Green		B 3SB34 00-1RC	1	1 unit	102	0.012	
Blue	B 3SB34 00-1RD		1	1 unit	102	0.012		
White	B 3SB34 00-1RE		1	1 unit	102	0.012		
	Transformers							
	For snapping onto 3SB34 00-1A lampholder							
			127 / 24	B 3SB34 00-3A	1	1 unit	102	0.109
			240 / 24	B 3SB34 00-3C	1	1 unit	102	0.108
			260 / 24	D 3SB34 00-3E	1	1 unit	102	0.110
			400 / 24	B 3SB34 00-3F	1	1 unit	102	0.108
	For incandescent lamp		127 / 6	B 3SB34 00-3M	1	1 unit	102	0.108
	AC, max. 2 W		240 / 6	B 3SB34 00-3P	1	1 unit	102	0.107
	Mounting depth: 97 mm		400 / 6	B 3SB34 00-3S	1	1 unit	102	0.107
			480 / 6	B 3SB34 00-3U	1	1 unit	102	0.132
		600 / 6	D 3SB34 00-3W	1	1 unit	102	0.128	

1) Use these lamps only.

2) The lampholder with separate lamp test function can not be installed in an enclosure.

3) For circuit examples, see note on Technical Information on page 9/1.

4) Not suitable for LEDs which are suitable only for AC or DC.




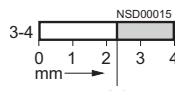


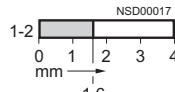

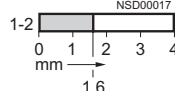



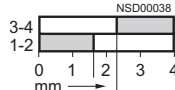


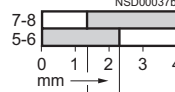


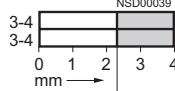




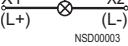
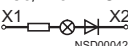

5) Not suitable for LED for 24/48/230 V AC/DC. For connecting to DC, X5 must be connected to L-.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Components for Actuators and Indicators

Contact blocks and lampholders

Contact blocks and lampholders

Version	Rated voltage of lamp/ Diagram	Operating travel/color	DT	Spring-type terminals	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.		
	V	<input type="checkbox"/> Contact closed <input type="checkbox"/> Contact open						kg		
				Order No.	Price per PU					
Contact blocks for front plate mounting										
Contact blocks with one contact Mounting depth 50 mm										
	1 NO				B	3SB34 03-0B	1	1 unit	102	0.008
	1 NO with gold-plated contacts				B	3SB34 03-0BA	1	1 unit	102	0.008
	1 NC				B	3SB34 03-0C	1	1 unit	102	0.008
	1 NC with gold-plated contacts				B	3SB34 03-0CA	1	1 unit	102	0.008
	• With mounting monitoring contact ²⁾ , mounting depth 63 mm				B	3SB34 03-0M	1	1 unit	102	0.018
	1 NC									
Contact blocks with 2 contacts Mounting depth 63 mm										
	1 NO + 1 NC				B	3SB34 03-0A	1	1 unit	102	0.018
	1 NO + 1 NC with gold-plated contacts				B	3SB34 03-0AA	1	1 unit	102	0.018
	1 NO leading + 1 NC lagging				B	3SB34 03-0H	1	1 unit	102	0.018
	1 NO leading + 1 NC lagging with gold-plated contacts				B	3SB34 03-0HA	1	1 unit	102	0.018
	2 NO				B	3SB34 03-0D	1	1 unit	102	0.017
	2 NO with gold-plated contacts				D	3SB34 03-0DA	1	1 unit	102	0.017
	2 NC				B	3SB34 03-0E	1	1 unit	102	0.018
	2 NC with gold-plated contacts				D	3SB34 03-0EA	1	1 unit	102	0.018
BA 9s lampholders, mounting depth 50 mm										
	Without lamp	Acc. to lamp 			B	3SB34 03-1A	1	1 unit	102	0.008
	With integrated voltage reducer and with 130 V lamp (3SX1 731) ³⁾	230/240 V AC 			B	3SB34 03-1C	1	1 unit	102	0.010
	Lampholders with integrated LED	24 V AC/DC	Yellow	B	3SB34 03-1PA	1	1 unit	102	0.009	
	Mounting depth: 50 mm		Red	B	3SB34 03-1PB	1	1 unit	102	0.010	
			Green	B	3SB34 03-1PC	1	1 unit	102	0.009	
			Blue	B	3SB34 03-1PD	1	1 unit	102	0.009	
			White	B	3SB34 03-1PE	1	1 unit	102	0.009	
		110 V AC	Yellow	B	3SB34 03-1QA	1	1 unit	102	0.010	
			Red	B	3SB34 03-1QB	1	1 unit	102	0.010	
			Green	B	3SB34 03-1QC	1	1 unit	102	0.010	
			Blue	B	3SB34 03-1QD	1	1 unit	102	0.010	
			White	B	3SB34 03-1QE	1	1 unit	102	0.010	
		230 V AC	Yellow	B	3SB34 03-1RA	1	1 unit	102	0.010	
			Red	B	3SB34 03-1RB	1	1 unit	102	0.010	
			Green	B	3SB34 03-1RC	1	1 unit	102	0.010	
			Blue	B	3SB34 03-1RD	1	1 unit	102	0.010	
			White	B	3SB34 03-1RE	1	1 unit	102	0.010	

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

²⁾ The NC contact opens automatically upon disconnection of the actuator. On delivery, the contact is open (= safe state).

³⁾ Use these lamps only.



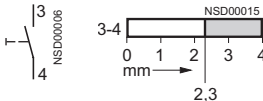
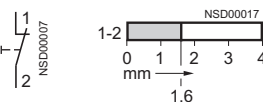


For more explanations see footnote on page 9/60.
Unsuitable for mounting in 3SB38 enclosures.


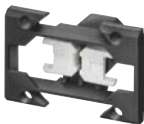


* You can order this quantity or a multiple thereof.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Components for Actuators and Indicators

Contact blocks and lampholders

Version	Diagram	Operating travel	DT	Solder pin connections	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.		
		<input type="checkbox"/> Contact closed <input type="checkbox"/> Contact open								
				Order No.	Price per PU			kg		
Contact blocks for use on printed circuit boards										
Contact blocks with one contact Mounting depth 44 mm										
		1 NO			B	3SB34 11-0B	1	1 unit	102	0.003
3SB34 11-0B		1 NC ¹⁾			B	3SB34 11-0C	1	1 unit	102	0.003
		Wedge base lampholders W2 x 4.6 d Mounting depth: 44 mm Without lamp			B	3SB34 11-1A	1	1 unit	102	0.002
3SB34 11-1A										

Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.	
							kg	
Holders for 3 contact blocks, for front panel mounting								
		Holders for pushbuttons and switches²⁾ For snapping on 3 blocks (for illuminated pushbuttons and illuminated selector switches the holder is included in the scope of supply)	▶	3SB39 01-0AB	100	20 units	102	0.100
3SB39 01-0AB								
		Holders for selector switches, key-operated switches and twin pushbuttons With pressure plate for actuating the central contact block of 3 contact blocks	▶	3SB39 01-0AC	100	10 units	102	0.200
3SB39 01-0AC								
Pressure plates for use on printed circuit boards								
		Pressure plates for selector switches and key-operated switches For actuating the central contact block of 3 contact blocks	B	3SB39 01-0AW	100	10 units	102	0.100
3SB39 01-0AW								
Accessories for printed circuit boards								
		Holders for printed circuit boards For mounting the command devices on the printed circuit board (screw is included in the scope of supply)	B	3SB39 01-0AA	100	10 units	102	0.200
3SB39 01-0AA								

1) Positive opening according to IEC 60947-5-1, Appendix K.
 2) Holder also for mushroom pushbutton and push-pull button.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Components for Actuators and Indicators

AS-Interface F adapters for EMERGENCY-STOP devices

Overview




The AS-Interface F adapter is used to connect an EMERGENCY-STOP device according to ISO 13850 from the 3SB3 series to the AS-Interface bus system. The F adapter is suitable for control devices with mounting on front plates.

The F adapter has a safe AS-Interface 2E slave and is snapped from behind onto the EMERGENCY-STOP device (actuator). In the 2I/1O expanded version, an output is also available for actuating an indicator light with LED.

Connection to the AS-Interface bus cable is made with screw terminal or spring-type terminals depending on the version. Addressing is performed using the AS-Interface connection or the integrated addressing socket.

Safety category 4 (SIL3) is achieved with the adapter.

Selection and ordering data

Version	DT	Screw terminals 	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
		Order No.	Price per PU			kg




3SF5 402-1AA03

**AS-Interface F adapters for
3SB3 EMERGENCY-STOP actuator**
For mounting on front plate

- 2I
- 2I/1O, with output for LED control

- ▶ **3SF5 402-1AA03**
- ▶ **3SF5 402-1AB03**

1	1 unit	121	0.066
1	1 unit	121	0.066

Version	DT	Spring-type terminals 	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
		Order No.	Price per PU			kg




3SF5 402-1AA04

**AS-Interface F adapters for
3SB3 EMERGENCY-STOP actuator**
For mounting on front plate

- 2I
- 2I/1O, with output for LED control

- ▶ **3SF5 402-1AA04**
- ▶ **3SF5 402-1AB04**

1	1 unit	121	0.066
1	1 unit	121	0.066

Version	DT	Insulation piercing method 	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
		Order No.	Price per PU			kg



3SF5 402-1AA05

**AS-Interface F adapters for
3SB3 EMERGENCY-STOP actuator**
For mounting on front plate

- 2I
- 2I/1O, with output for LED control

- ▶ **3SF5 402-1AA05**
- ▶ **3SF5 402-1AB05**

1	1 unit	121	0.066
1	1 unit	121	0.066

3SB3 Pushbuttons and Indicator Lights, 22 mm

Components for Actuators and Indicators

Special locks

Options

Special locks for key-operated switches

The BKS and CES plastic and metal key-operated switches, round and square versions, can be optionally equipped with special locks.

In this case the Order No. of the matching key-operated switch must be supplemented with **"-Z"**, the matching order code **"Y01"** or **"Y02"** and the required lock number.

Order code	Y01	Y02
In accordance with the table of special locks	No	Yes
Normal delivery time	25 working days	5 working days
Additional price per unit	On request	On request
Ordering example	3SB30 00-4LD01-Z Y01 Z = SSG18	3SB30 00-4LD01-Z Y02 Z = SSG11

Available special locks with order code "Y02"	Order No. with order code
Key-operated switch	
CES SSG 11 to SSG 15	3SB3. ...-4LD...-Z Y02 3SB3. ...-4MD01...-Z Y02 3SB3. ...-4PD...-Z Y02 3SB3. ...-4QD...-Z Y02 3SB3. ...-4RD...-Z Y02 3SB3. ...-4SD...-Z Y02
BKS E1, E2, E7, E9 ¹⁾	3SB3. ...-5AD...-Z Y02 3SB3. ...-5BD01...-Z Y02 3SB3. ...-5DD...-Z Y02 3SB3. ...-5ED01-Z Y02 3SB3. ...-5FD01-Z Y02 3SB3. ...-5GD01-Z Y02
BKS E9 ¹⁾	3SB3. ...-5FD51-Z Y02

EMERGENCY-STOP mushroom push-buttons

CES SSP 9	3SB3. ...-1KA20-Z Y02
BKS E2, E7, E9 ¹⁾	3SB3. ...-1LA20-Z Y02

¹⁾ Delivery of these BKS key-operated switches (locks for VW) without key.

Notes

- For all special locks, an additional price applies.
- The order code **"Y01"** or **"Y02"** 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.

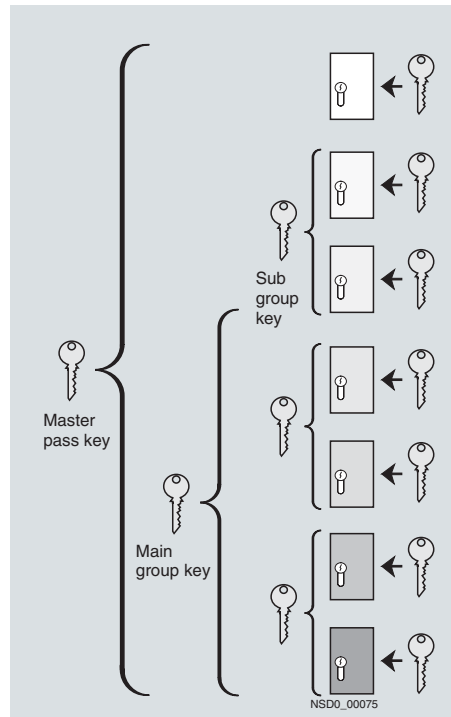
Master and master-pass key systems

The following key systems can be supplied with BKS and CES 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 Order No. of the matching key-operated switches with **"-Z"** and quote the order code **"Y03"**.

Please enquire for price and delivery time.



Example of master-pass key system

3SB3 Pushbuttons and Indicator Lights, 22 mm Inscriptions

Laser inscriptions

Overview

Inscription of actuators and indicators

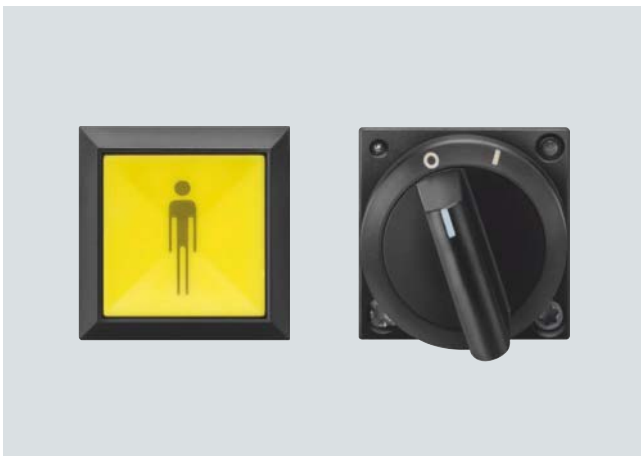
Actuators and indicators of plastic as well as metal version can be optionally inscribed with a laser.



Pushbutton (metal) with laser inscription

The actuators of the pushbuttons, illuminated pushbuttons, mushroom pushbuttons and illuminated mushroom pushbuttons can be inscribed as well as the lenses of the indicator lights.

Selector switches can be inscribed only if they are made of plastic (only one text line on the front ring).



Pushbutton and selector switch (plastic) with laser inscription

Version

A letter height of 4 mm is used as standard for text inscriptions:

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

For round buttons and lenses, the 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

On square buttons and lenses, 10 characters are possible per line.

Ordering notes

When ordering, supplement the Order No. of the actuator or the indicator light with "**-Z**" and an order code:

- Text line in upper/lower case, always upper case for beginning of line (e. g. "Lift out"): **Y10**
- Text in upper case (e. g. "LIFT OUT"): **Y11**
- Text in lower case (e. g. "lift out"): **Y12**
- Text in upper/lower case, all words begin with capital letters (e. g. "Lift Out"): **Y15**
- Symbol with number according to ISO 7000 or IEC 60417: **Y13**
- Any inscription or symbol according to order form supplement: **Y19**

Additional price per unit for Y10 to Y19 on request.

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 (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". For long words you can also specify the end-of-line division.

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

For special symbols (order code Y19), a CAD drawing in DXF format can be submitted.

Ordering example 1

A round pushbutton with the inscription "Reset" is required:

3SB30 00-0AA41-Z
Y10
Z = Reset (English)

Ordering example 2

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

3SB31 10-0AA31-Z
Y13
Z = 5389 IEC

Ordering example 3

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

3SB30 00-0AA41-Z
Y13
Z = 1118 ISO

3SB3 Pushbuttons and Indicator Lights, 22 mm Inscriptions

Inscriptions by laser printer

Overview

Label inscriptions

Using the *Label Designer* software, which can be downloaded from the Internet, and the inscription labels 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 (see [Name plates](#)). Round labels are provided for inserting in illuminated pushbuttons and switches.

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

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

You can find the *Label Designer* software on the Internet at:

www.siemens.com/sirius-label-designer

Selection and ordering data

Version	Color	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
---------	-------	----	-----------	--------------	-------------------	-----	----	--------------------------

Labels for printing



Insert labels For inserting in round illuminated push-buttons and illuminated switches	Milky	A	3SB39 01-2AB		100 480 units		102	0.100
Inscription labels 12.5 mm x 27 mm For sticking onto label holder	White	A	3SB39 02-2AA		100 480 units		102	0.100
Inscription labels 27 mm x 27 mm For sticking onto label holder	White	A	3SB39 03-2AA		100 480 units		102	0.100
Inscription labels 17.5 mm x 28 mm For snapping onto label holder	White	A	3SB39 05-2AA		100 720 units		102	0.100
Inscription labels 22 mm x 22 mm For sticking onto enclosure	White	A	3SB39 06-2AA		100 700 units		102	0.100

3SB3 Pushbuttons and Indicator Lights, 22 mm

Inscriptions

Insert labels

Overview

Pushbuttons (clear) and illuminated pushbuttons with a flat button can be fitted with insert labels for identification purposes, but indicator lights cannot.

These insert labels are made of clear, transparent plastic with black inscription; 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 (see page 9/69).





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

Selection and ordering data

PU (UNIT) = 100 (customized inscription: 1)
 PS* = 10 units (customized inscription: 1 unit)
 PG = 102

Inscription/Symbol	Symbol No.	DT	Round range		DT	Square range		Weight per PU approx.
			Order No.	Price per PU		Order No.	Price per PU	
				kg			kg	

Insert labels

For self-inscription								
	Blank	B	3SB19 01-4AS	0.100	B	3SB39 40-4AA	0.100	
With inscription								
	Ein	B	3SB19 01-4AB	0.100	B	3SB39 40-4AB	0.100	
	On	B	3SB19 01-4EB	0.100	C	3SB39 40-4EB	0.100	
	Aus	B	3SB19 01-4AC	0.100	C	3SB39 40-4AC	0.100	
	Off	B	3SB19 01-4EC	0.100	C	3SB39 40-4EC	0.100	
	Auf	B	3SB19 01-4AD	0.100	B	3SB39 40-4AD	0.100	
	Up	B	3SB19 01-4ED	0.100	C	3SB39 40-4ED	0.100	
	Ab	B	3SB19 01-4AE	0.100	B	3SB39 40-4AE	0.100	
	Down	B	3SB19 01-4EE	0.100	C	3SB39 40-4EE	0.100	
	Vor	B	3SB19 01-4AF	0.100	--			
	Forward	B	3SB19 01-4EF	0.100	C	3SB39 40-4EF	0.100	
	Zurück	B	3SB19 01-4AG	0.100	--			
	Reverse	B	3SB19 01-4EG	0.100	C	3SB39 40-4EG	0.100	
	Rechts	B	3SB19 01-4AH	0.100	--			
	Right	C	3SB19 01-4EH	0.100	--			
	Links	B	3SB19 01-4AJ	0.100	--			
	Left	C	3SB19 01-4EJ	0.100	--			
	Auf	B	3SB19 01-4AD	0.100	B	3SB39 40-4AD	0.100	
	Open	B	3SB19 01-4EP	0.100	--			
	Zu	B	3SB19 01-4AL	0.100	B	3SB39 40-4AL	0.100	
	Close	B	3SB19 01-4EQ	0.100	--			
	Schnell	B	3SB19 01-4AM	0.100	B	3SB39 40-4AM	0.100	
	Fast	B	3SB19 01-4ER	0.100	--			
	Langsam	B	3SB19 01-4AN	0.100	B	3SB39 40-4AN	0.100	
	Slow	B	3SB19 01-4ES	0.100	--			
	Betrieb	B	3SB19 01-4AP	0.100	--			
	Running	B	3SB19 01-4EV	0.100	--			
	Störung	B	3SB19 01-4AQ	0.100	C	3SB39 40-4AQ	0.100	
	Fault	B	3SB19 01-4EW	0.100	--			
	Einrichten	B	3SB19 01-4AR	0.100	--			
	Reset	B	3SB19 01-4EM	0.100	C	3SB39 40-4EM	0.100	
	Test	B	3SB19 01-4EN	0.100	--			
	Start	B	3SB19 01-4EK	0.100	B	3SB39 40-4EK	0.100	
	Halt	B	3SB19 01-4AK	0.100	B	3SB39 40-4AK	0.100	
	Stop	B	3SB19 01-4EL	0.100	B	3SB39 40-4EL	0.100	
With graphic symbol								
	O (Off)	5008 IEC	B	3SB19 01-4MB	0.100	B	3SB39 40-4MB	0.100
	I (On)	5007 IEC	B	3SB19 01-4MC	0.100	B	3SB39 40-4MC	0.100
	II (On)	--	B	3SB19 01-4MD	0.100	B	3SB39 40-4MD	0.100
	Electric motor	0011 ISO	B	3SB19 01-4PA	0.100	--		
	Motion in direction of arrow	5022 IEC	B	3SB19 01-4NA	0.100	B	3SB39 40-4NA	0.100
	Increase, plus	5005 IEC	B	3SB19 01-4NG	0.100	B	3SB39 40-4NG	0.100
	Decrease, minus	5006 IEC	B	3SB19 01-4MC	0.100	B	3SB39 40-4MC	0.100
With customized inscription								
	For inscriptions or symbols see "Options"			3SB19 01-4AZ		3SB39 40-4AZ		
	• Text line(s) or symbol with No.		D	K0Y, K1Y, K2Y, K3Y or K5Y	0.001	B	K0Y, K1Y, K2Y, K3Y or K5Y	0.001
	• Any inscription or symbol		D	K9Y	0.001	B	K9Y	0.001

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 2 or 3 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

On square insert labels, 10 characters are possible per line.

Examples for customized inscription



Two-line inscription in upper/lower case lettering (K0Y)



Single-line inscription in upper case lettering (K1Y)



Three-line inscription in lower case letters (K2Y)



Symbol number 5011 according to IEC 60147 (K3Y)



Any symbol according to order form supplement (K9Y)

Ordering notes

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 out"): **K0Y**
- Text line(s) in upper case (e. g. "LIFT OUT"): **K1Y**
- Text line(s) in lower case (e. g. "lift out"): **K2Y**
- Text line(s) in upper/lower case, all words begin with upper case letters (e. g. "Lift Out"): **K5Y**
- Symbol with number according to ISO 7000 or IEC 60417: **K3Y**
- Any inscription or symbol 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.

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 example 2 and 3](#)).

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

Ordering example 1

A label with 2 lines of text is required:

```
3SB19 01-4AZ
K1Y
Z1 = LIFT
Z2 = LOWER
```

Ordering example 2

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

```
3SB19 01-4AZ
K3Y
Z = 5011 IEC
```

Ordering example 3

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

```
3SB19 01-4AZ
K3Y
Z = 1118 ISO
```

3SB3 Pushbuttons and Indicator Lights, 22 mm Inscriptions

Name plates

Overview

The name plates consist of a black plastic label holder and an inscription label (black with white print or silver-colored with black print) for sticking or snapping in place. They are not suitable for EMERGENCY-STOP pushbuttons.

Note mounting dimensions!

Inscriptions

The inscriptions have upper case initial letters. The typeface is Arial. Graphic symbols, including those not listed in the tables, are according to ISO 7000 or IEC 60417 (see page 9/74).

Self-adhesive labels

There are 2 sizes available for the round and square ranges:

- Label holders 30 mm × 45 mm × 7 mm with inscription label 12.5 mm × 27 mm.
- Label holders 30 mm × 60 mm × 7 mm with inscription label 27 mm × 27 mm.



Snap-on labels

The following version is available for the round range:

- Label holders 29.8 mm × 51 mm × 3 mm with inscription label 17.5 mm × 28 mm (inscription area: 17.5 mm × 27 mm).

Selection and ordering data

PU (UNIT) = 100 (customized inscription: 1)
PS* = 10 units (customized inscription: 1 unit)
PG = 102

Inscriptions	DT	Black		Weight per PU approx. kg	DT	Silver-colored		Weight per PU approx. kg
		Order No.	Price per PU			Order No.	Price per PU	
Inscription labels, self-adhesive, 12.5 mm × 27 mm								
<i>For self-inscription</i>								
 Blank	▶	3SB39 02-1AA		0.100	B	3SB19 01-2AA		0.100
<i>With inscription</i>								
 Forward								
 Fast								
Ein	B	3SB39 02-1AB		0.100	B	3SB19 01-2AB		0.100
On	B	3SB39 02-1EB		0.100	B	3SB19 01-2EB		0.100
Aus	B	3SB39 02-1AC		0.100	B	3SB19 01-2AC		0.100
Off	B	3SB39 02-1EC		0.100	B	3SB19 01-2EC		0.100
Auf	B	3SB39 02-1AD		0.100	B	3SB19 01-2AD		0.100
Up	B	3SB39 02-1ED		0.100	B	3SB19 01-2ED		0.100
Ab	B	3SB39 02-1AE		0.100	B	3SB19 01-2AE		0.100
Down	B	3SB39 02-1EE		0.100	B	3SB19 01-2EE		0.100
Vor	B	3SB39 02-1AF		0.100	B	3SB19 01-2AF		0.100
Forward	B	3SB39 02-1EF		0.100		--		
Zurück	B	3SB39 02-1AG		0.100	B	3SB19 01-2AG		0.100
Reverse	B	3SB39 02-1EG		0.100		--		
Rechts	B	3SB39 02-1AH		0.100	B	3SB19 01-2AH		0.100
Right	B	3SB39 02-1EH		0.100	B	3SB19 01-2EH		0.100
Links	B	3SB39 02-1AJ		0.100	B	3SB19 01-2AJ		0.100
Left	B	3SB39 02-1EJ		0.100	B	3SB19 01-2EJ		0.100
Auf	B	3SB39 02-1AD		0.100	B	3SB19 01-2AD		0.100
Open	B	3SB39 02-1EP		0.100	B	3SB19 01-2EP		0.100
Zu	B	3SB39 02-1AL		0.100	B	3SB19 01-2AL		0.100
Close	B	3SB39 02-1EQ		0.100	B	3SB19 01-2EQ		0.100
Schnell	--				B	3SB19 01-2AM		0.100
Fast	--				B	3SB19 01-2ER		0.100
Langsam	--				B	3SB19 01-2AN		0.100
Slow	--				B	3SB19 01-2ES		0.100
Halt	B	3SB39 02-1AK		0.100	B	3SB19 01-2AK		0.100
Stop	B	3SB39 02-1EK		0.100	B	3SB19 01-2EK		0.100
Start	B	3SB39 02-1EL		0.100	B	3SB19 01-2EL		0.100
Test	B	3SB39 02-1EN		0.100	B	3SB19 01-2EN		0.100
Betrieb	B	3SB39 02-1AP		0.100	B	3SB19 01-2AP		0.100
Running	--				B	3SB19 01-2EV		0.100
Störung	B	3SB39 02-1AQ		0.100	B	3SB19 01-2AQ		0.100
Fault	B	3SB39 02-1EW		0.100	B	3SB19 01-2EW		0.100
Einrichten	--				B	3SB19 01-2AR		0.100
Reset	--				B	3SB19 01-2EM		0.100
Stop Start	B	3SB39 02-1BC		0.100	B	3SB19 01-2BC		0.100
Hand Auto	C	3SB39 02-1BA		0.100	B	3SB19 01-2BA		0.100
Man Auto	B	3SB39 02-1EU		0.100	B	3SB19 01-2EU		0.100
Hand O Auto	--				B	3SB19 01-2BE		0.100
Man O Auto	--				B	3SB19 01-2ET		0.100

For label holders see page 9/73.

3SB3 Pushbuttons and Indicator Lights, 22 mm Inscriptions

Name plates

PU (UNIT) = 100 (customized inscription: 1)
 PS* = 10 units (customized inscription: 1 unit)
 PG = 102

Inscriptions	DT	Black		Weight per PU approx. kg	DT	Silver-colored		Weight per PU approx. kg
		Order No.	Price per PU			Order No.	Price per PU	
Inscription labels, self-adhesive, 12.5 mm × 27 mm								
<i>With graphic symbol</i>								
		B	3SB39 02-1MB	0.100	B	3SB19 01-2MB		0.100
		B	3SB39 02-1MC	0.100	B	3SB19 01-2MC		0.100
			--		C	3SB19 01-2MD		0.100
			--		B	3SB19 01-2ME		0.100
		B	3SB39 02-1MF	0.100	B	3SB19 01-2MF		0.100
		B	3SB39 02-1MG	0.100	B	3SB19 01-2MG		0.100
			--		B	3SB19 01-2MK		0.100
		B	3SB39 02-1ML	0.100		--		
		B	3SB39 02-1NJ	0.100	B	3SB19 01-2NA		0.100
		B	3SB39 02-1NA	0.100	B	3SB19 01-2NJ		0.100
<i>With customized inscription</i>								
			3SB39 02-1XZ			3SB19 01-2XZ		
For inscriptions or symbols see "Options"		C	K0Y	0.001	D	K0Y		0.001
• Text line(s)		B	K1Y, K2Y, K3Y or K5Y	0.001	D	K1Y, K2Y, K3Y or K5Y		0.001
• Text line(s) or symbol with No.		B	K9Y	0.001	D	K9Y		0.001
• Any inscription or symbol								
Inscription labels, self-adhesive, 27 mm × 27 mm								
<i>For self-inscription</i>								
		B	3SB39 03-1AA	0.100	B	3SB19 06-2AA		0.100
<i>With inscription</i>								
		B	3SB39 03-1AB	0.100		--		
		B	3SB39 03-1EB	0.100		--		
		B	3SB39 03-1AC	0.100		--		
		B	3SB39 03-1EC	0.100		--		
		B	3SB39 03-1AD	0.100		--		
		B	3SB39 03-1AE	0.100		--		
		B	3SB39 03-1AF	0.100		--		
		B	3SB39 03-1AG	0.100		--		
		B	3SB39 03-1AH	0.100		--		
		B	3SB39 03-1AJ	0.100		--		
		B	3SB39 03-1AD	0.100		--		
		B	3SB39 03-1AL	0.100		--		
		B	3SB39 03-1AK	0.100		--		
		B	3SB39 03-1EL	0.100		--		
		B	3SB39 03-1AP	0.100		--		
		B	3SB39 03-1AQ	0.100		--		
		B	3SB39 03-1BC	0.100		--		
		B	3SB39 03-1BA	0.100		--		
<i>With graphic symbol</i>								
		C	3SB39 03-1MB	0.100		--		
		B	3SB39 03-1MF	0.100		--		
		B	3SB39 03-1NA	0.100		--		
<i>With customized inscription</i>								
			3SB39 03-1XZ			3SB19 06-2XZ		
For inscriptions or symbols see "Options"		C	K0Y	0.001	D	K0Y		0.001
• Text line(s)		B	K1Y, K2Y, K3Y or K5Y	0.001	D	K1Y, K2Y, K3Y or K5Y		0.001
• Text line(s) or symbol with No.		B	K9Y	0.001	D	K9Y		0.001
• Any inscription or symbol								

For label holders see page 9/73.








* You can order this quantity or a multiple thereof.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Inscriptions

Name plates

PU (UNIT) = 100 (customized inscription: 1)
 PS* = 10 units (customized inscription: 1 unit)
 PG = 102




Inscriptions	DT	Black		Weight per PU approx. kg	DT	Silver-colored		Weight per PU approx. kg
		Order No.	Price per PU			Order No.	Price per PU	
Inscription labels, for snapping on, 17.5 mm × 28 mm								
<i>For self-inscription</i>								
	Blank	B	3SB39 05-1AA	0.100	B	3SB19 04-2AA		0.100
<i>With inscription</i>								
	Ein	B	3SB39 05-1AB	0.100	B	3SB19 04-2AB		0.100
	On	B	3SB39 05-1EB	0.100	B	3SB19 04-2EB		0.100
	Aus	B	3SB39 05-1AC	0.100	B	3SB19 04-2AC		0.100
	Off	C	3SB39 05-1EC	0.100	B	3SB19 04-2EC		0.100
	Auf	B	3SB39 05-1AD	0.100	B	3SB19 04-2AD		0.100
	Up	B	3SB39 05-1ED	0.100	--			
	Ab	B	3SB39 05-1AE	0.100	B	3SB19 04-2AE		0.100
	Down	C	3SB39 05-1EE	0.100	--			
	Vor	C	3SB39 05-1AF	0.100	B	3SB19 04-2AF		0.100
	Forward	B	3SB39 05-1EF	0.100	--			
	Zurück	B	3SB39 05-1AG	0.100	B	3SB19 04-2AG		0.100
	Reverse	B	3SB39 05-1EG	0.100	B	3SB19 04-2EG		0.100
	Rechts	B	3SB39 05-1AH	0.100	B	3SB19 04-2AH		0.100
	Right	B	3SB39 05-1EH	0.100	--			
	Links	--			B	3SB19 04-2AJ		0.100
	Auf	B	3SB39 05-1AD	0.100	B	3SB19 04-2AD		0.100
	Open	C	3SB39 05-1EP	0.100	--			
	Zu	B	3SB39 05-1AL	0.100	B	3SB19 04-2AL		0.100
	Close	C	3SB39 05-1EQ	0.100	--			
	Halt	B	3SB39 05-1AK	0.100	B	3SB19 04-2AK		0.100
	Stop	B	3SB39 05-1EK	0.100	B	3SB19 04-2EK		0.100
	Start	B	3SB39 05-1EL	0.100	B	3SB19 04-2EL		0.100
	Test	--			B	3SB19 04-2EN		0.100
	Betrieb	B	3SB39 05-1AP	0.100	B	3SB19 04-2AP		0.100
	Running	C	3SB39 05-1EV	0.100	--			
	Störung	B	3SB39 05-1AQ	0.100	B	3SB19 04-2AQ		0.100
	Fault	B	3SB39 05-1EW	0.100	B	3SB19 04-2EW		0.100
	Einrichten	--			B	3SB19 04-2AR		0.100
	Reset	--			B	3SB19 04-2EM		0.100
	Stop Start	B	3SB39 05-1BC	0.100	B	3SB19 04-2BC		0.100
	Hand Auto	B	3SB39 05-1BA	0.100	B	3SB19 04-2BA		0.100
	Man Auto	B	3SB39 05-1EU	0.100	C	3SB19 04-2EU		0.100
	Man O Auto	--			B	3SB19 04-2ET		0.100
<i>With graphic symbol</i>								
	O	C	3SB39 05-1MB	0.100	B	3SB19 04-2MB		0.100
	I	C	3SB39 05-1MC	0.100	B	3SB19 04-2MC		0.100
	O I	B	3SB39 05-1MF	0.100	B	3SB19 04-2MF		0.100
	I O II	--			B	3SB19 04-2MG		0.100
	I O 2	--			B	3SB19 04-2MK		0.100
	→	B	3SB39 05-1NA	0.100	B	3SB19 04-2NA		0.100
	↑	B	3SB39 05-1NJ	0.100	B	3SB19 04-2NJ		0.100
<i>With customized inscription</i>								
	For inscriptions or symbols see "Options"		3SB39 05-1XZ			3SB19 04-2XZ		
	• Text line(s)	C	K0Y	0.001	D	K0Y		0.001
	• Text line(s) or symbol with No.	B	K1Y, K2Y, K3Y or K5Y	0.001	D	K1Y, K2Y, K3Y or K5Y		0.001
	• Any inscription or symbol	B	K9Y	0.001	D	K9Y		0.001

For label holders see page 9/73.

* You can order this quantity or a multiple thereof.

3SB3 Pushbuttons and Indicator Lights, 22 mm Inscriptions

Name plates

Version	DT	Black	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.	
		Order No.	Price per PU				
kg							
Label holders for inscription labels 12.5 mm × 27 mm							
	For round range, flat	B	3SB39 22-0AV	100	10 units	102	0.200
	For potentiometer drives 3SB10 00-7CH07¹⁾	B	3SB39 22-0AS	1	1 unit	102	0.003
	For square range, flat	B	3SB39 42-0AX	100	5 units	102	0.200
Label holders for inscription labels 27 mm × 27 mm							
	For round range, flat	B	3SB39 23-0AV	100	10 units	102	0.200
	For round range, raised	C	3SB39 23-0AX	1	10 units	102	0.005
	For potentiometer drives, flat	B	3SB39 23-0AS	1	1 unit	102	0.003
	For square range, flat	B	3SB39 43-0AX	100	1 unit	102	0.200
Label holders for inscription labels 17.5 mm × 28 mm							
	For round design	▶	3SB39 25-0AV	100	10 units	102	0.200

¹⁾ This label holder can also be used for pushbuttons with dust covers if the front panel thickness of 3 mm is not exceeded.

3SB3 Pushbuttons and Indicator Lights, 22 mm Inscriptions

Name plates

Options

Customized inscriptions

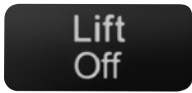
The labels can be inscribed with text and symbols not listed in the ordering data.

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

- Label size 12.5 mm × 27 mm: maximum 3 lines with letter height 4 mm (1-line), 3.5 mm (2-line) or 2.5 mm (3-line)
- Label size 27 mm × 27 mm: maximum 5 lines with letter height 4 mm (1- to 5-line)
- Label size 17.5 mm × 28 mm: maximum 3 lines with letter height 4 mm (1- and 2-line) or 3 mm (3-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.

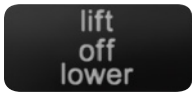
Examples for customized inscription



Two-line inscription in upper/lower case lettering (K0Y)



Single-line inscription in upper case lettering (K1Y)



Three-line inscription in lower case letters (K2Y)



Symbol number 5011 according to IEC 60417 (K3Y)



Any symbol according to order form supplement (K9Y)

Ordering notes

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 out"): **K0Y**
- Text line(s) in upper case (e. g. "LIFT OUT"): **K1Y**
- Text line(s) in lower case (e. g. "lift out"): **K2Y**
- Text line(s) in upper/lower case, all words begin with upper case letters (e. g. "Lift Out"): **K5Y**
- Symbol with number according to ISO 7000 or IEC 60417: **K3Y**
- Any inscription or symbol 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.

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 example 2 and 3](#)).

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

Ordering example 1

A label with 2 lines of text is required:

3SB39 02-1XZ
K1Y
Z1 = LIFT
Z2 = LOWER

Ordering example 2

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

3SB39 02-1XZ
K3Y
Z = 5011 IEC

Ordering example 3

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








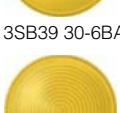
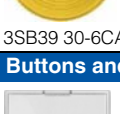


3SB39 02-1XZ
K3Y
Z = 1118 ISO

3SB3 Pushbuttons and Indicator Lights, 22 mm

Accessories and Spare Parts

Buttons and lenses

Selection and ordering data

Version	Color	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Buttons and lenses for round version¹⁾									
 3SB39 30-0CA6	Buttons, flat For round illuminated pushbuttons and illuminated switches, plastic version	Red	B	3SB39 30-0CA2		100	10 units	102	0.100
		Yellow	B	3SB39 30-0CA3		100	10 units	102	0.100
		Green	B	3SB39 30-0CA4		100	10 units	102	0.100
		Blue	B	3SB39 30-0CA5		100	10 units	102	0.100
		White	B	3SB39 30-0CA6		100	10 units	102	0.100
		Clear	B	3SB39 30-0CA7		100	10 units	102	0.100
	 3SB39 30-0EA3	Buttons, flat For round pushbuttons and switches, metal version	Black	B	3SB39 30-0EA1		100	10 units	102
		Red	B	3SB39 30-0EA2		100	10 units	102	0.200
		Yellow	B	3SB39 30-0EA3		100	10 units	102	0.200
		Green	B	3SB39 30-0EA4		100	10 units	102	0.200
		Blue	B	3SB39 30-0EA5		100	10 units	102	0.200
		White	B	3SB39 30-0EA6		100	10 units	102	0.200
		Clear	B	3SB39 30-0EA7		100	10 units	102	0.200
 3SB39 30-0DA4	Buttons, raised For round illuminated pushbuttons and illuminated switches, plastic version	Red	B	3SB39 30-0DA2		1	10 units	102	0.003
		Green	B	3SB39 30-0DA4		1	10 units	102	0.003
		Clear	B	3SB39 30-0DA7		1	10 units	102	0.003
 3SB39 30-0FA4	Buttons, raised For round pushbuttons and switches, metal version	Black	D	3SB39 30-0FA1		1	10 units	102	0.003
		Red	C	3SB39 30-0FA2		1	10 units	102	0.003
		Yellow	C	3SB39 30-0FA3		1	10 units	102	0.003
		Green	C	3SB39 30-0FA4		1	10 units	102	0.003
		Blue	C	3SB39 30-0FA5		1	10 units	102	0.003
		White	C	3SB39 30-0FA6		1	10 units	102	0.003
		Clear	C	3SB39 30-0FA7		1	10 units	102	0.003
 3SB39 30-0GA3	Buttons, flat For round illuminated pushbuttons and illuminated switches, metal version	Amber	B	3SB39 30-0GA0		100	10 units	102	0.200
		Red	B	3SB39 30-0GA2		100	10 units	102	0.200
		Yellow	B	3SB39 30-0GA3		100	10 units	102	0.200
		Green	B	3SB39 30-0GA4		100	10 units	102	0.200
		Blue	B	3SB39 30-0GA5		100	10 units	102	0.200
		White	B	3SB39 30-0GA6		100	10 units	102	0.200
		Clear	B	3SB39 30-0GA7		100	10 units	102	0.200
 3SB39 30-0HA4	Buttons, flat, solvent-resistant²⁾ For round illuminated pushbuttons and switches, metal version	Red	B	3SB39 30-0GA20-0PA0		100	10 units	102	0.200
		Yellow	B	3SB39 30-0GA30-0PA0		100	10 units	102	0.200
		Green	B	3SB39 30-0GA40-0PA0		100	10 units	102	0.200
		Blue	B	3SB39 30-0GA50-0PA0		100	10 units	102	0.200
		White	B	3SB39 30-0GA60-0PA0		100	10 units	102	0.200
		Clear	B	3SB39 30-0GA70-0PA0		100	10 units	102	0.200
 3SB39 30-0HA4	Buttons, raised For round illuminated pushbuttons and illuminated switches, metal version	Amber	C	3SB39 30-0HA0		1	10 units	102	0.003
		Red	C	3SB39 30-0HA2		1	10 units	102	0.003
		Yellow	C	3SB39 30-0HA3		1	10 units	102	0.003
		Green	C	3SB39 30-0HA4		1	10 units	102	0.003
		Blue	C	3SB39 30-0HA5		1	10 units	102	0.003
		White	C	3SB39 30-0HA6		1	10 units	102	0.003
		Clear	C	3SB39 30-0HA7		1	10 units	102	0.003
 3SB39 30-6BA3	Lenses, smooth For round indicator lights, plastic and metal version	Amber	C	3SB39 30-6BA0		1	10 units	102	0.002
		Red	B	3SB39 30-6BA2		1	10 units	102	0.002
		Yellow	B	3SB39 30-6BA3		1	10 units	102	0.002
		Green	B	3SB39 30-6BA4		1	10 units	102	0.002
		Blue	B	3SB39 30-6BA5		1	10 units	102	0.002
		White	B	3SB39 30-6BA6		1	10 units	102	0.002
		Clear	B	3SB39 30-6BA7		1	10 units	102	0.002
 3SB39 30-6CA3	Lenses with concentric rings For round indicator lights, plastic and metal version	Amber	B	3SB39 30-6CA0		1	10 units	102	0.002
		Red	B	3SB39 30-6CA2		1	10 units	102	0.002
		Yellow	B	3SB39 30-6CA3		1	10 units	102	0.002
		Green	B	3SB39 30-6CA4		1	10 units	102	0.002
		Blue	B	3SB39 30-6CA5		1	10 units	102	0.002
		White	B	3SB39 30-6CA6		1	10 units	102	0.002
		Clear	B	3SB39 30-6CA7		1	10 units	102	0.002
Buttons and lenses for square version									
 3SB39 50-0CA6	Buttons, flat For square illuminated pushbuttons and illuminated switches, plastic version	Red	B	3SB39 50-0CA2		100	10 units	102	0.100
		Yellow	B	3SB39 50-0CA3		100	10 units	102	0.100
		Green	B	3SB39 50-0CA4		100	10 units	102	0.100
		Blue	B	3SB39 50-0CA5		100	10 units	102	0.100
		White	B	3SB39 50-0CA6		100	10 units	102	0.100
		Clear	B	3SB39 50-0CA7		100	10 units	102	0.100
 3SB39 50-6AA2	Lenses, smooth For square indicator lights, plastic version	Red	B	3SB39 50-6AA2		1	10 units	102	0.002
		Yellow	B	3SB39 50-6AA3		1	10 units	102	0.002
		Green	B	3SB39 50-6AA4		1	10 units	102	0.002
		Blue	B	3SB39 50-6AA5		1	10 units	102	0.002
		White	B	3SB39 50-6AA6		1	10 units	102	0.002
		Clear	B	3SB39 50-6AA7		1	10 units	102	0.002

¹⁾ In scope of supply of pushbuttons or indicator lights.

²⁾ Not suitable for laser inscription.






* You can order this quantity or a multiple thereof.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Accessories and Spare Parts

Lamps, acoustic signal transformers and keys

Selection and ordering data

Version	Rated voltage	Color	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Lamps, BA 9s bases¹⁾									
	Incandescent lamps 1.2 W Length up to 28 mm, max. bulb diameter 10 mm	24 AC/DC	Clear	A	3SB19 02-0AY		1 10 units	102	0.003
3SB19 02-0AY	Incandescent lamps 2 W Length up to 28 mm, max. bulb diameter 10 mm	6 AC/DC 12 AC/DC 24 AC/DC 30 AC/DC 48 AC/DC 60 AC/DC	Clear	A	3SX1 342 3SX1 343 3SX1 344 3SB19 02-2AF 3SB19 02-1AP 3SR94 24		1 10 units 1 10 units 1 10 units 1 10 units 1 10 units 1 10 units	102 102 102 102 102 102	0.003 0.003 0.003 0.003 0.003 0.003
	Incandescent lamps 2.6 W Length 28 mm, bulb diameter 10 mm	110 ... 130 ²⁾	Clear	▶	3SX1 731		1 10 units	102	0.003
	Multi-incandescent lamps 1.2 W , Endurance 25 000 h, high resistance to vibration	24 AC/DC		B	3SB19 02-2BU		1 10 units	102	0.002
	LED lamps, super-bright Length up to 28 mm, max. bulb diameter 10 mm, max. operational current 15 mA	24 AC/DC	Red Yellow Green Blue White	▶	3SB39 01-1CA 3SB39 01-1BA 3SB39 01-1DA 3SB39 01-1PA 3SB39 01-1QA		1 10 units 1 10 units 1 10 units 1 10 units 1 10 units	102 102 102 102 102	0.002 0.002 0.002 0.002 0.002
3SB39 01-1PA		48 AC/DC	Red Yellow Green Blue White	B	3SB39 01-1CC 3SB39 01-1BC 3SB39 01-1DC 3SB39 01-1PC 3SB39 01-1QC		1 10 units 1 10 units 1 10 units 1 10 units 1 10 units	102 102 102 102 102	0.002 0.002 0.002 0.002 0.002
		130 AC, 70 ... 90 DC, if X1 at "+"	Red Yellow Green Blue White	B	3SB39 01-1CD 3SB39 01-1BD 3SB39 01-1DD 3SB39 01-1PD 3SB39 01-1QD		1 10 units 1 10 units 1 10 units 1 10 units 1 10 units	102 102 102 102 102	0.002 0.002 0.002 0.002 0.002
		230 AC, 110 ... 160 DC, if X1 at "+"	Red Yellow Green Blue White	B	3SB39 01-1CF 3SB39 01-1BF 3SB39 01-1DF 3SB39 01-1PF 3SB39 01-1QF		1 10 units 1 10 units 1 10 units 1 10 units 1 10 units	102 102 102 102 102	0.003 0.003 0.003 0.003 0.003
		230 AC/DC	Red Yellow Green Blue White	B	3SB39 01-1CG 3SB39 01-1BG 3SB39 01-1DG 3SB39 01-1PG 3SB39 01-1QG		1 10 units 1 10 units 1 10 units 1 10 units 1 10 units	102 102 102 102 102	0.003 0.003 0.004 0.003 0.004
	LED lamps Length up to 28 mm, max. bulb diameter 10 mm, max. operational current 15 mA	22 ... 32	Red Yellow Green	D	3SB19 02-4AJ 3SB19 02-4BJ 3SB19 02-4CJ		1 10 units 1 10 units 1 10 units	102 102 102	0.002 0.002 0.002
3SB19 02-4MC	LED lamps, flashing (1.4 Hz) , length up to 28 mm, bulb diameter 10 mm, operational current 24 ... 29 mA	24 DC	Red Yellow Green	B C C	3SB19 02-4LC 3SB19 02-4MC 3SB19 02-4NC		1 10 units 1 10 units 1 10 units	102 102 102	0.002 0.002 0.002
	Glow lamps³⁾ Length 28 mm, bulb diameter 10 mm, operational current approx. 1.8 mA	110 AC 220 AC 220 AC	Clear Clear Green	A A C	3SX1 703 3SX1 701 3SX1 702		1 10 units 1 10 units 1 10 units	102 102 102	0.003 0.003 0.003
3SX1 703	Lamp extractors For lamps with BA 9s base			▶	3SB19 02-2AD		1 1 unit	102	0.006
									
3SB19 02-2AD									

¹⁾ Essential accessories when using lampholders with BA 9s base and delivery without lamp.







²⁾ Also for 230 V when used with a 3SB34 00-1C voltage reducer.

³⁾ Due to the inherent orange color of glow lamps and their lower luminance level compared to incandescent lamps, it is recommended that they should only be used with clear or red screw lenses and in areas where ambient light levels are not very high.

3SB3 Pushbuttons and Indicator Lights, 22 mm


Accessories and Spare Parts

Lamps, acoustic signal transformers and keys

Version	Rated voltage	Color	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.		
	V								kg		
Lamps, Wedge bases¹⁾											
 3SB29 08-1AE	Incandescent lamps Wedge base W2 × 4.6 d, 1.0 W		Clear	C	3SB29 08-1AA		100	10 units	102	0.100	
				B	3SB29 08-1AB		100	10 units	102	0.100	
				▶	3SB29 08-1AC		100	10 units	102	0.100	
				A	3SB29 08-1AD		100	10 units	102	0.100	
				B	3SB29 08-1AE		1	10 units	102	0.001	
				B	3SB29 08-1AF		1	10 units	102	0.001	
 3SB39 01-1SB	LED lamps, super-bright Wedge base W2 × 4.6 d, operational current 10 mA		Red	B	3SB39 01-1SB		1	10 units	102	0.001	
			Yellow	B	3SB39 01-1RB		1	10 units	102	0.001	
			Green	B	3SB39 01-1TB		1	10 units	102	0.001	
			White	B	3SB39 01-1UB		1	10 units	102	0.001	
			Blue	B	3SB29 08-1BD		1	10 units	102	0.001	
 3SB39 01-1VE			28 AC/DC	Red	B	3SB39 01-1SE		1	10 units	102	0.001
				Yellow	B	3SB39 01-1RE		1	10 units	102	0.001
				Green	B	3SB39 01-1TE		1	10 units	102	0.001
				White	B	3SB39 01-1UE		1	10 units	102	0.001
				Blue	D	3SB39 01-1VE		1	10 units	102	0.001
 3SB29 08-2AB	Lamp extractors For lamps with bases W2 × 4.6 d			▶	3SB29 08-2AB		1	1 unit	102	0.003	
 3SB19 02-1AU	Lamp adapters For fitting a lamp with a wedge base socket into a BA 9s lampholder			C	3SB19 02-1AU		1	1 unit	102	0.002	
Acoustic signal transformers, BA 9s base											
 3SB19 02-2BN	Acoustic signal transformers For acoustic signaling devices ²⁾ Operational current 25 mA, 0.6 W, sound pressure 80 dB/10 cm		24 ... 28 DC	B	3SB19 02-2BN		1	1 unit	102	0.004	

¹⁾ Can be used with lamp adapters in lampholders with BA 9s base.

²⁾ For increased protection, the IP65 acoustic signaling device (complete unit) can be used.

Version	Lock	Color	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.		
	Manufacturer	Lock No.							kg		
Keys for actuators¹⁾²⁾											
 3SY1 054	Ronis	SB 30		B	3SB39 10-4A		1	1 unit	102	0.012	
	BKS	S1		A	3SY1 066		1	1 unit	102	0.007	
	CES	LSG 1			B	3SB19 10-2F		1	1 unit	102	0.007
		SSG 10			B	3SY1 054		1	1 unit	102	0.007
		SSP 9			A	3SY1 052		1	1 unit	102	0.008
	IKON	360012 K1			A	3SY1 053		1	1 unit	102	0.007
	O.M.R.	73038	Light blue		C	3SB19 10-2L		1	1 unit	102	0.011
		73037	Red		B	3SB19 10-2M		1	1 unit	102	0.011
		73034	Black		B	3SB19 10-2N		1	1 unit	102	0.011
		73033	Yellow		D	3SB19 10-2P		1	1 unit	102	0.011

¹⁾ Included in scope of supply of the key-operated switches and the EMERGENCY-STOP mushroom pushbuttons with lock.










²⁾ Also available with special lock. Supplement Order No. with "-Z" and quote the required lock in plain text.
Additional price on request.
This does not include locks for VW and main and general locking systems.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Accessories and Spare Parts

Protective covers

Selection and ordering data

Version	Use	Color	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Protective caps¹⁾, degree of protection IP67										
<i>Material: elastolan</i>										
 3SB39 21-0AJ	Protective caps For round version	Flat button (plastic)	Clear	B	3SB39 21-0AJ		1	1 unit	102	0.001
		Flat button (metal), raised button (plastic)	Clear	B	3SB39 21-0AM		1	1 unit	102	0.002
	• PVC	Raised button (metal)	Clear	C	3SB19 02-2AN		1	1 unit	102	0.004
 3SB39 41-0AJ	Protective caps For square version	Flat button (plastic)	Clear	B	3SB39 41-0AJ		1	1 unit	102	0.002
<i>Material: silicone</i>										
 3SB39 21-0AH	Protective caps For round version	Flat button (plastic)	Clear	B	3SB39 21-0AH		1	1 unit	102	0.002
 3SB19 02-0AK		Flat button (metal), raised button (plastic)	Clear	B	3SB19 02-0AK		1	1 unit	102	0.002
 3SB19 02-0AN		Raised button (metal)	Clear	B	3SB19 02-0AN		1	1 unit	102	0.003
 3SB39 21-0BA	Protective caps For round version	Selector switch (plastic and metal, normal handle)	Clear	B	3SB39 21-0BA		1	1 unit	102	0.003
 3SB19 02-2BH	Protective caps For round version	Mushroom push-pull button, Ø 40 mm (plastic and metal)	Clear	B	3SB19 02-2BH		1	1 unit	102	0.006
 3SB39 21-0BU		EMERGENCY-STOP mushroom push-button, Ø 40 mm (plastic and metal)	Clear	B	3SB39 21-0BU		1	1 unit	102	0.013
 3SB39 41-0AH	Protective caps For square version	Flat button (plastic)	Clear	B	3SB39 41-0AH		1	1 unit	102	0.002

¹⁾ Not for mounting in 3SB38 enclosure with 3SB34 20 or 3SB34 23 contact blocks and lampholders for floor mounting.
Not to be used with label holder.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Accessories and Spare Parts

Protective covers

Version	Use	Color	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Other protective caps¹⁾										
	Sealable caps For round version	Flat button (plastic)	Black	B	3SB19 02-0AL		1	1 unit	102	0.003
3SB19 02-0AL										
		Flat button (metal), raised button (plastic)	Clear	B	3SB19 02-2AR		1	1 unit	102	0.011
3SB19 02-2AR										
	Dust covers For use in dusty environments	Key-operated switch BKS, CES, IKON, O.M.R.	Clear	B	3SB39 21-0BT		1	1 unit	102	0.003
3SB39 21-0BT										
Protective collars for front plates										
	Protective collars for EMERGENCY-STOP²⁾ For round version	EMERGENCY-STOP mushroom pushbutton without lock	Yellow	▶	3SB39 21-0AK		1	1 unit	102	0.044
3SB39 21-0AX			EMERGENCY-STOP mushroom pushbutton with lock	Gray	C	3SB39 21-0AP		1	1 unit	102
	Protective collars for EMERGENCY-STOP for 5 padlocks²⁾ For round version	EMERGENCY-STOP mushroom pushbutton	Yellow	▶	3SB39 21-0AX		1	1 unit	102	0.053
3SB39 21-0CG			3SB3...-1AA20 EMERGENCY-STOP mushroom pushbutton	Yellow	▶	3SB39 21-0CG		1	1 unit	102
	Sun collars For round version	Illuminated pushbuttons	Black	B	3SB39 21-0AS		1	1 unit	102	0.003
3SB39 21-0AS										
Blanking plugs for spare command points for front plates										
	Blanking plugs For round version	Plastic version	Black	▶	3SB39 21-0AA		1	10 units	102	0.012
3SB39 21-0AA										
	Blanking plugs For square version	Plastic version	Black	B	3SB39 41-0AA		1	1 unit	102	0.013
3SB39 41-0AA										
	Blanking plugs For round version	Metal version	Aluminized	B	3SB19 02-0AQ		1	10 units	102	0.081
3SB19 02-0AQ										

¹⁾ Unsuitable for mounting in 3SB38 enclosures.
Not to be used with label holder.








²⁾ The protective collar must only be used to protect against inadvertent actuating and must be fitted to allow unimpeded actuation of the EMERGENCY-STOP mushroom pushbutton.

3SB3 Pushbuttons and Indicator Lights, 22 mm

Accessories and Spare Parts

Miscellaneous accessories

Selection and ordering data

Version	Use	Inscriptions	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Yellow name plates for EMERGENCY-STOP										
<i>For use on front plates</i>										
	Name plates, round Self-adhesive, external diameter 80 mm, hole 23 mm	EMERGENCY-STOP	Blank	B	3SB39 21-0AB		1	1 unit	102	0.002
		mushroom pushbutton (round version)	4 languages, de, en, it, es	B	3SB39 21-0BW		1	1 unit	102	0.001
			NOT-HALT	B	3SB39 21-0AC		1	1 unit	102	0.001
			NOT-AUS	B	3SB39 21-0CK		1	1 unit	102	0.001
			EMERGENCY STOP	B	3SB39 21-0AD		1	1 unit	102	0.001
	Name plates, round Self-adhesive, external diameter 80 mm, cut-out 26 mm x 26 mm	ARRET D'URGENCE		B	3SB39 21-0AG		1	1 unit	102	0.002
		EMERGENZA		B	3SB39 21-0AN		1	1 unit	102	0.002
		Blank	B	3SB39 41-0AB		1	1 unit	102	0.001	
	Name plates, round Self-adhesive, external diameter 75 mm, hole 22.5 mm	NOT-HALT		B	3SB39 41-0AC		1	1 unit	102	0.001
		mushroom pushbuttons (square version)	NOT-AUS	B	3SB39 41-0BX		1	1 unit	102	0.001
			EMERGENCY STOP	B	3SB39 41-0AD		1	1 unit	102	0.002
			Blank	B	3SB19 02-2BA		1	1 unit	102	0.006
	Name plates, round Self-adhesive, external diameter 60 mm, hole 23 mm ¹⁾	mushroom pushbutton (round version)	NOT-HALT	B	3SB19 02-2BB		1	1 unit	102	0.006
			NOT-AUS	B	3SB39 21-0CH		1	1 unit	102	0.006
			EMERGENCY STOP	B	3SB39 21-0DA		1	1 unit	102	0.020
	Name plates, round Self-adhesive, external diameter 60 mm, hole 23 mm ¹⁾	EMERGENCY STOP	NOT-HALT	B	3SB39 21-0DK		1	1 unit	102	0.020
		mushroom pushbutton (round version)	NOT-AUS	B	3SB39 21-0DC		1	1 unit	102	0.020
			EMERGENCY STOP	B	3SB39 21-0DD		1	1 unit	102	0.020
		Illuminated, suitable as signaling device for EMERGENCY-STOP, with plug-in connection for 24 V AC/DC ²⁾								
Inscription labels										
	Inscription labels For supporting dust resistance	Contact blocks		B	3SB39 01-0CH		100	10 units	102	0.100
	Unit labeling plates	Contact blocks		B	3TX4 210-0H		100	100 units	101	0.300








¹⁾ For front panel thickness of max. 4 mm.

²⁾ The illuminated label can also be operated through the AS-Interface F adapter (see page 9/64).

3SB3 Pushbuttons and Indicator Lights, 22 mm

Accessories and Spare Parts

Miscellaneous accessories

Version	Use	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Holders and pressure plates								
 3SB39 01-0AB	Holders For snapping on 3 blocks ¹⁾		▶ 3SB39 01-0AB		100	20 units	102	0.100
 3SB39 01-0AC	Holders with pressure plate For actuating the central contact block of 3 contact blocks		▶ 3SB39 01-0AC		100	10 units	102	0.200
 3SB39 01-0AW	Pressure plates For actuating the central contact block of 3 contact blocks	B	3SB39 01-0AW		100	10 units	102	0.100
Holders for commanding and signaling elements²⁾								
 3SB39 31-0AA	Holders For plastic version, round		▶ 3SB39 31-0AA		1	10 units	102	0.014
 3SB39 51-0AA	Holders For plastic version, square	B	3SB39 51-0AA		1	1 unit	102	0.013
 3SB39 31-0AC	Holders For metal version, round		▶ 3SB39 31-0AC		1	10 units	102	0.044
 3SB39 21-0BD	Grounding screws For grounding metal actuators for fitting in front plates made of non-conducting materials	B	3SB39 21-0BD		100	50 units	102	0.100

¹⁾ The holder for illuminated commanding devices is included in the scope of supply.

²⁾ The matching holder for actuators and indicators is included in the scope of supply (exception: Order with order code "B01").

3SB3 Pushbuttons and Indicator Lights, 22 mm

Accessories and Spare Parts

Miscellaneous accessories

Version	Use	Color	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Tools									
	Blanking tools 26 mm x 26 mm, for square version		B	3SB39 41-0AF		1	1 unit	102	0.817
3SB39 41-0AF									
	Hole drilling templates For 30 mm x 30 mm grid, horizontal, for round and square ver- sions		C	3SB19 02-2BG		1	1 unit	102	0.015
3SB19 02-2BG									
	Mounting tools For buttons and lenses, metal version		B	3SB39 21-0BC		1	1 unit	102	0.024
3SB39 21-0BC									
	Mounting tools For potentiometer drives and for pushbuttons with extended stroke		C	3SX1 707		1	1 unit	102	0.018
3SX1 707									
	Dismantling tools For contact blocks and lampholders	Blocks with screw termi- nals	B	3SB39 01-0CB		1	1 unit	102	0.015
3SB39 01-0CB									
	Dismantling tools For contact blocks and lampholders	Blocks with spring-type terminals	C	3SB39 01-0CG		1	1 unit	102	0.010
3SB39 01-0CG									
Various accessories									
	Single frames For square design of the round version	Black	C	3SB39 21-0AU		1	1 unit	102	0.002
3SB39 21-0AU									
	Adapter parts Adapters for 30.5 mm mounting hole, comprising a metal disk with an adhesive layer on one side, degree of protection IP65	As thrust ring for a thin molded-plas- tic front plate	B	3SB39 21-0AE		1	1 unit	102	0.008
3SB39 21-0AE									
	Printed circuit board holders For mounting the com- mand devices on the printed circuit board (screw is included in the scope of supply)	Contact blocks and lamphold- ers for solder connection	B	3SB39 01-0AA		100	10 units	102	0.200
3SB39 01-0AA									
	Extension plungers For compensation of the distance between a pushbutton and the unlatching button of an overload relay	Pushbuttons with extended stroke	A	3SX1 335		1	1 unit	102	0.004
3SX1 335									

* You can order this quantity or a multiple thereof.

3SB3 Pushbuttons and Indicator Lights, 22 mm Enclosures

General data

Overview



Enclosed pushbuttons and indicator lights are used as hand operated control devices for separately allocated control units and cabinets.

Enclosures with handle are available for suspension (e. g. for crane control units).

The enclosed pushbuttons and indicator lights are available with conventional controls as well as for connection to the AS-Interface bus system.

The following versions are available:

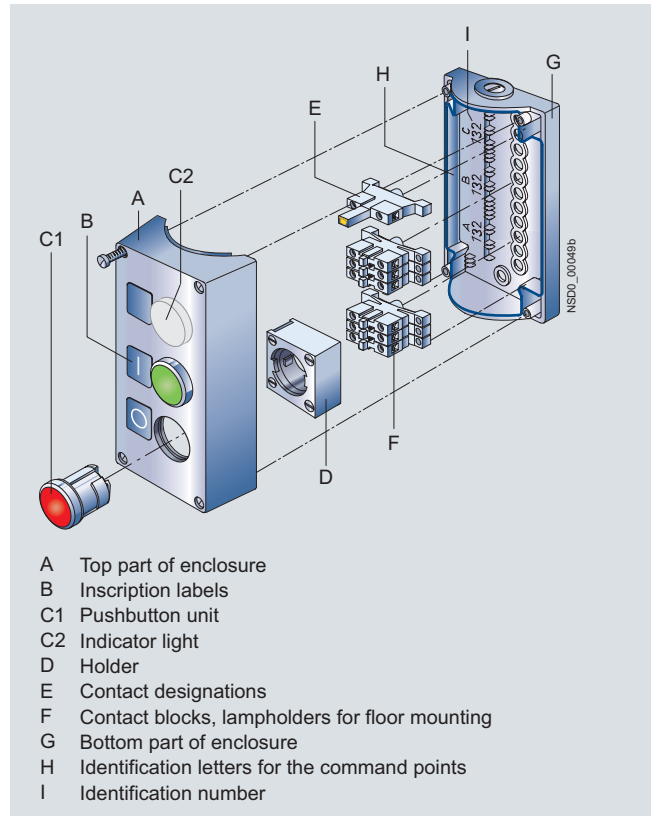
- Enclosure with standard fittings with 1 to 3 command points
- Enclosure with customized equipment with 1 to 6 command points
- Empty enclosures (individual parts must be ordered separately).

Customer-specific enclosures

On request enclosures with more than 6 command points can also be supplied with AS-Interface connection.

For AS-Interface enclosures see page 9/93.

Enclosures with standard fittings



Standards

IEC 60947-5-1, EN 60947-5-1

Application

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

More information

Type	3SB38 0.-0, 3SB38 0.-1	3SB38 0.-2, 3SB38 0.-3
Enclosures		
Enclosure material	Plastic	Metal
Actuators and indicators	Plastic, round	Metal, round
Degree of protection acc. to IEC 60529	IP65	IP67 and NEMA Type 4
Climatic withstand capability acc. to EN ISO 6270-2	KTW 24	
Shock resistance acc. to IEC 60068-2-27 for half-sine shock type, 11 ms shock duration		
• Devices without incandescent lamp	≤ 50 g	
• Devices with incandescent lamp	≤ 30 g	
Vibration resistance acc. to IEC 60068-2-6		
• Acceleration at frequency 20 ... 200 Hz	5 g	

3SB3 Pushbuttons and Indicator Lights, 22 mm Enclosures

Enclosures with standard fittings

Overview

Enclosures with standard fittings are available with:

- 1 to 3 command points
- 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 blocks and lampholders for floor mounting (are snapped into the enclosure base). Screw terminals (box terminals) as standard; some versions also with spring-type terminals (Order No. ends with -0CC0).

The actuators/indicators are fixed with an enclosure nut. If required it can be disassembled with a 27 mm socket wrench or with a 3SX17 07 ring nut wrench.


Color of enclosure cover:

- Gray, RAL 7035, or
- Yellow, RAL 1004

Color of enclosure base:

- Black, RAL 9005

Selection and ordering data

Equipment	Contact block function	Number of command points	DT	Screw terminals 	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
				Order No.	Price per PU			
						kg		

Plastic enclosures with standard fittings

Cable entry top and bottom each 1 x M20







3SB38 01-0DA3

A = Pushbutton green, label "I"	1 NO	1	B	3SB38 01-0DA3	1	1 unit	102	0.210
A = Pushbutton red, label "O"	1 NC	1	B	3SB38 01-0DB3	1	1 unit	102	0.209
A = Pushbutton white, label "I"	1 NO	1	B	3SB38 01-0DD3	1	1 unit	102	0.205
A = Pushbutton black, label "O"	1 NC	1	B	3SB38 01-0DE3	1	1 unit	102	0.205



3SB38 01-0F3

A = EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with positive latching acc. to ISO 13850 and rotate-to-unlatch mechanism								
• With yellow top part, without protective collar	1 NC  ²⁾	1	B	3SB38 01-0DG3	1	1 unit	102	0.242
	2 NC  ²⁾	1	B	3SB38 01-0EG3	1	1 unit	102	0.250
• With yellow top part, with protective collar ¹⁾	1 NC  ²⁾	1	B	3SB38 01-0DF3	1	1 unit	102	0.270
	2 NC  ²⁾	1	B	3SB38 01-0EF3	1	1 unit	102	0.270



3SB38 02-0DA3

B = Pushbutton green, label "I", A = Pushbutton red, label "O"	1 NO, 1 NC	2	B	3SB38 02-0DA3	1	1 unit	102	0.261
B = Pushbutton white, label "I", A = Pushbutton black, label "O"	1 NO, 1 NC	2	B	3SB38 02-0DB3	1	1 unit	102	0.260



3SB38 03-0DA3

C = Indicator light clear, label without inscription, B = Pushbutton green, label "I", A = Pushbutton red, label "O"	BA 9s ³⁾ , 1 NO, 1 NC	3	B	3SB38 03-0DA3	1	1 unit	102	0.320
C = Pushbutton black, label "I", B = Pushbutton black, label "I", A = Pushbutton red, label "O"	1 NO, 1 NO, 1 NC	3	C	3SB38 03-0DB3	1	1 unit	102	0.324
C = Indicator light clear, label without inscription, B = Pushbutton white, label "I", A = Pushbutton black, label "O"	BA 9s ³⁾ , 1 NO, 1 NC	3	C	3SB38 03-0DC3	1	1 unit	102	0.328

¹⁾ The protective collar must only be used to protect against inadvertent actuating and must be fitted to allow unimpeded access to the EMERGENCY-STOP mushroom pushbutton.

²⁾ Positive opening according to IEC 60947-5-1, Appendix K.

³⁾ Only lampholder; order lamp separately.

3SB3 Pushbuttons and Indicator Lights, 22 mm Enclosures

Enclosures with standard fittings

Equipment	Contact block function	Number of command points	DT	Screw terminals Spring-type terminals ³⁾	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
				Order No.	Price per PU			kg

Metal enclosures with standard fittings

Cable entry top and bottom each 1 x M20



3SB38 01-2DB3

A = Pushbutton green, label "I"	1 NO	1	B	3SB38 01-2DA3	1	1 unit	102	0.532
A = Pushbutton red, label "O"	1 NC	1	B	3SB38 01-2DB3	1	1 unit	102	0.535
A = Pushbutton white, label "I"	1 NO	1	B	3SB38 01-2DD3	1	1 unit	102	0.538
A = Pushbutton black, label "O"	1 NC	1	B	3SB38 01-2DE3	1	1 unit	102	0.530



3SB38 01-2.F3

A = EMERGENCY-STOP mushroom pushbuttons, Ø 40 mm, with positive latching acc. to ISO 13850 and rotate-to-unlatch mechanism								
• With yellow top part, without protective collar	1 NC → ²⁾	1	B	3SB38 01-2DG3	1	1 unit	102	0.591
	2 NC → ²⁾	1	B	3SB38 01-2EG3	1	1 unit	102	0.590
- With M12 socket	2 NC → ²⁾³⁾	1	C	3SB38 01-2EG10-0CC0	1	1 unit	102	0.590
• With yellow top part, with protective collar ¹⁾	1 NC → ²⁾	1	B	3SB38 01-2DF3	1	1 unit	102	0.684
	2 NC → ²⁾	1	B	3SB38 01-2EF3	1	1 unit	102	0.680



3SB38 01-2EB30

A = EMERGENCY-STOP mushroom pushbuttons, Ø 60 mm, with positive latching acc. to ISO 13850 and rotate-to-unlatch mechanism								
• With yellow top part, with protective collar for 5 padlocks	2 NC → ²⁾	1	B	3SB38 01-2EA30	1	1 unit	102	0.590
	2 NC → ²⁾³⁾	1	B	3SB38 01-2EA30-0CC0	1	1 unit	102	0.591
A = mushroom pushbutton, Ø 60 mm, black, with positive latching and rotate-to-unlatch mechanism								
• With gray top part, with protective collar for 5 padlocks	2 NC ³⁾	1	B	3SB38 01-2EB30-0CC0	1	1 unit	102	0.591



3SB38 02-2DA3

B = Pushbutton green, label "I", A = Pushbutton red, label "O"	1 NO, 1 NC	2	B	3SB38 02-2DA3	1	1 unit	102	0.675
B = Pushbutton white, label "I", A = Pushbutton black, label "O"	1 NO, 1 NC	2	B	3SB38 02-2DB3	1	1 unit	102	0.667



3SB38 03-2DA3

C = Indicator light clear, label without inscription, B = Pushbutton green, label "I", A = Pushbutton red, label "O"	BA 9s ⁴⁾ , 1 NO, 1 NC	3	B	3SB38 03-2DA3	1	1 unit	102	0.840
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3SB38 03-2DB3

C = Pushbutton black, label "II", B = Pushbutton black, label "I", A = Pushbutton red, label "O"	1 NO, 1 NO, 1 NC	3	B	3SB38 03-2DB3	1	1 unit	102	0.856
C = Indicator light clear, label without inscription, B = Pushbutton white, label "I", A = Pushbutton black, label "O"	BA 9s ⁴⁾ , 1 NO, 1 NC	3	B	3SB38 03-2DC3	1	1 unit	102	0.844

¹⁾ The protective collar must only be used to protect against inadvertent actuating and must be fitted to allow unimpeded access to the EMERGENCY-STOP mushroom pushbutton.

²⁾ Positive opening according to IEC 60947-5-1, Appendix K.

³⁾ **-0CC0**: Contact blocks with spring-type terminals.







⁴⁾ Only lampholder; order lamp separately.

* You can order this quantity or a multiple thereof.

3SB3 Pushbuttons and Indicator Lights, 22 mm Enclosures

Empty enclosures

Selection and ordering data

Version	Number of command points	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.	
kg									
Empty enclosures, plastic									
	Cable entry top and bottom each 1 x M20 for 1 to 3 command points, each 1 x M25 for 4 and 6 command points								
	For contact blocks, lampholders and accessories with snap-on floor mounting, also single-pole front plate blocks can be used (switching state is maintained upon opening)	1	B	3SB38 01-0AA3		1	1 unit	102	0.185
		2	B	3SB38 02-0AA3		1	1 unit	102	0.214
		3	B	3SB38 03-0AA3		1	1 unit	102	0.258
		4	B	3SB38 04-0AA3		1	1 unit	102	0.301
3SB38 02-0AA3	6	B	3SB38 06-0AA3		1	1 unit	102	0.427	
	For EMERGENCY-STOP, for contact blocks, lampholders and accessories with snap-on floor mounting, also single-pole front plate blocks can be used (switching state is maintained upon opening)								
	• With yellow top part, without protective collar	1	B	3SB38 01-0AB3		1	1 unit	102	0.185
	• With yellow top part, with protective collar ¹⁾	1	B	3SB38 01-0AD3		1	1 unit	102	0.213
3SB38 01-0AB3									
Empty enclosures, metal									
	Cable entry top and bottom each 1 x M20 for 1 to 3 command points, each 1 x M25 for 4 and 6 command points								
	For contact blocks, lampholders and accessories with snap-on floor mounting, also single-pole front plate blocks can be used (switching state is maintained upon opening)	1	B	3SB38 01-2AA3		1	1 unit	102	0.445
		2	B	3SB38 02-2AA3		1	1 unit	102	0.524
		3	B	3SB38 03-2AA3		1	1 unit	102	0.634
		4	B	3SB38 04-2AA3		1	1 unit	102	0.735
3SB38 04-2AA3	6	B	3SB38 06-2AA3		1	1 unit	102	0.985	
	For EMERGENCY-STOP, for contact blocks, lampholders and accessories with snap-on floor mounting, also single-pole front plate blocks can be used (switching state is maintained upon opening)								
	• With yellow top part, without protective collar	1	B	3SB38 01-2AB3		1	1 unit	102	0.447
	• With yellow top part, with protective collar ¹⁾	1	B	3SB38 01-2AD3		1	1 unit	102	0.551
3SB38 01-2AB3									
									
	• With gray top part, with protective collar	1	B	3SB38 01-2AE3		1	1 unit	102	0.551
3SB38 01-2AD3									
									
	• With yellow top part, with protective collar for 3 padlocks, for mushroom Ø 40 mm, can be locked (BKS, CES, O.M.R.)	1	B	3SB38 01-2EC3		1	1 unit	102	0.551
3SB38 01-2EC3									

¹⁾ The protective collar must only be used to protect against inadvertent actuating and must be fitted to allow unimpeded access to the EMERGENCY-STOP mushroom pushbutton.

3SB3 Pushbuttons and Indicator Lights, 22 mm Enclosures

Customer-specific enclosures

Overview

Customized enclosures are available with:

- 1 to 6 command points
- Operational voltage up to 400 V.

One command point comprises:

- 1 actuator or indicator
- Up to 3 contact blocks or up to 2 contact blocks + 1 lampholder
- 1 inscription label

For plastic enclosures the command points are equipped as standard with plastic actuators and indicators, for metal enclosures they are equipped with metal actuators and indicators.

For routing the cable in, one hole for M20 (for 1 to 3 command points) or for M25 (for 4 or 6 command points) is provided at the top and bottom.

Ordering notes (selection by configurator)

To order customized enclosures with the 3SB3 control devices, use the 3SB configurator to select the blocks for equipping. An electronic order form will be generated for the additional options. The configurator is available in the electronic catalog CA 01 on DVD or in the Industry Mall:

www.siemens.com/automation/mall




Supplement the Order No. with the order code **"KOY"** (as already listed in the selection table).

The list price of the complete enclosure is generated in the configurator for the customized equipment.

Please send the resulting electronic order form along with your order by e-mail to our Competence Center at sirius-attach.aud@siemens.com

If you are unable to access either catalog, please contact our Technical Assistance.

Selection and ordering data

Version	Number of command points	DT	Order No.	Price per PU ¹⁾	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg		
Plastic enclosures										
	With contact blocks and lampholders for floor mounting	1	C	3SB38 01-0AZK0Y		1	1 unit	102		
		2	C	3SB38 02-0AZK0Y		1	1 unit	102		
		3	C	3SB38 03-0AZK0Y		1	1 unit	102		
		4	B	3SB38 04-0AZK0Y		1	1 unit	102		
		6	B	3SB38 06-0AZK0Y		1	1 unit	102		
		With single-pole contact blocks and lampholders for front plate mounting	1	C	3SB38 01-1AZK0Y		1	1 unit	102	
	2		C	3SB38 02-1AZK0Y		1	1 unit	102		
	3		C	3SB38 03-1AZK0Y		1	1 unit	102		
	4		B	3SB38 04-1AZK0Y		1	1 unit	102		
	6		B	3SB38 06-1AZK0Y		1	1 unit	102		
	Metal enclosures									
		With contact blocks and lampholders for floor mounting	1	C	3SB38 01-2AZK0Y		1	1 unit	102	
2			C	3SB38 02-2AZK0Y		1	1 unit	102		
3			C	3SB38 03-2AZK0Y		1	1 unit	102		
4			C	3SB38 04-2AZK0Y		1	1 unit	102		
6			C	3SB38 06-2AZK0Y		1	1 unit	102		
With single-pole contact blocks and lampholders for front plate mounting			1	C	3SB38 01-3AZK0Y		1	1 unit	102	
		2	C	3SB38 02-3AZK0Y		1	1 unit	102		
		3	C	3SB38 03-3AZK0Y		1	1 unit	102		
		4	C	3SB38 04-3AZK0Y		1	1 unit	102		
		6	C	3SB38 06-3AZK0Y		1	1 unit	102		
		Suspended pushbuttons With holding plate and handle, customized equipment	max. 6	D	3SB38 87-1AZK0Y		1	1 unit	102	
										

¹⁾ The prices depend on the equipment selected in the configurator.

3SB3 Pushbuttons and Indicator Lights, 22 mm Enclosures

Contact blocks and lampholders

Selection and ordering data

For self-equipping of the enclosures


Version	Rated voltage/ Diagram	Operating travel/color DT <input type="checkbox"/> Contact closed <input type="checkbox"/> Contact open	Screw terminals	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.	
			Order No.	Price per PU				
Contact blocks for floor mounting								
	Contact blocks with one contact							
	1 NO 1 NO with gold-plated contacts			3SB34 20-0B 3SB34 20-0BA	1 1	1 unit 1 unit	102 102	0.012 0.015
3SB34 20-0B	1 NC 1 NC with gold-plated contacts			3SB34 20-0C 3SB34 20-0CA	1 1	1 unit 1 unit	102 102	0.012 0.015
	BA 9s lampholders							
	Without lamp	Acc. to lamp 		3SB34 20-1A	1	1 unit	102	0.012
	With integrated voltage reducer and with 130 V lamp (3SX1 731) ²⁾	230/240 V AC 	Clear	3SB34 20-1C	1	1 unit	102	0.016
3SB34 20-1A	Lampholders with integrated LED							
	24 V AC/DC 	Yellow Red Green Blue White	B ▶ ▶ ▶ B ▶	3SB34 20-1PA 3SB34 20-1PB 3SB34 20-1PC 3SB34 20-1PD 3SB34 20-1PE	1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit	102 102 102 102 102	0.011 0.011 0.011 0.011 0.011
3SB34 20-1PE	110 V AC 	Yellow Red Green Blue White	B B D B B	3SB34 20-1QA 3SB34 20-1QB 3SB34 20-1QC 3SB34 20-1QD 3SB34 20-1QE	1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit	102 102 102 102 102	0.012 0.012 0.012 0.012 0.012
	230 V AC 	Yellow Red Green Blue White	B B B B B	3SB34 20-1RA 3SB34 20-1RB 3SB34 20-1RC 3SB34 20-1RD 3SB34 20-1RE	1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit	102 102 102 102 102	0.012 0.012 0.012 0.012 0.012
	Fixpoint terminals							
		Black	B	3SB39 01-0AG	1	1 unit	102	0.012
		Blue	B	3SB39 01-0AH	1	1 unit	102	0.012
	Green/Yellow	B	3SB39 01-0AJ	1	1 unit	102	0.012	

1) Positive opening according to IEC 60947-5-1, Appendix K.
2) Only use with this lamp.

* You can order this quantity or a multiple thereof.


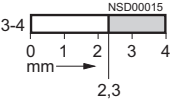

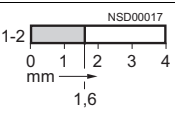
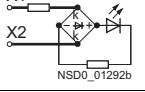
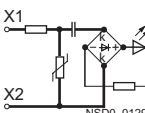
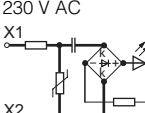
3SB3 Pushbuttons and Indicator Lights, 22 mm Enclosures

Contact blocks and lampholders

Version	Rated voltage/ Diagram	Operating travel/color <input type="checkbox"/> Contact closed <input type="checkbox"/> Contact open	DT	Spring-type terminals 	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
				Order No.	Price per PU			

Contact blocks for floor mounting



Contact blocks with one contact									
1 NO		NSD00006		B	3SB34 23-0B	1	1 unit	102	0.011
1 NO with gold-plated contacts				D	3SB34 23-0BA	1	1 unit	102	0.015
1 NC		NSD00007		B	3SB34 23-0C	1	1 unit	102	0.011
1 NC with gold-plated contacts				B	3SB34 23-0CA	1	1 unit	102	0.015
Lampholders with integrated LED		24 V AC/DC	Yellow	B	3SB34 23-1PA	1	1 unit	102	0.011
			Red	B	3SB34 23-1PB	1	1 unit	102	0.011
			Green	B	3SB34 23-1PC	1	1 unit	102	0.011
			Blue	B	3SB34 23-1PD	1	1 unit	102	0.011
			White	B	3SB34 23-1PE	1	1 unit	102	0.011
		110 V AC	Yellow	B	3SB34 23-1QA	1	1 unit	102	0.011
			Green	D	3SB34 23-1QC	1	1 unit	102	0.011
			Red	D	3SB34 23-1QB	1	1 unit	102	0.011
			Blue	D	3SB34 23-1QD	1	1 unit	102	0.011
			White	D	3SB34 23-1QE	1	1 unit	102	0.011
		230 V AC	Yellow	D	3SB34 23-1RA	1	1 unit	102	0.011
			Blue	B	3SB34 23-1RD	1	1 unit	102	0.011
			Green	B	3SB34 23-1RC	1	1 unit	102	0.011
			Red	B	3SB34 23-1RB	1	1 unit	102	0.011
			White	B	3SB34 23-1RE	1	1 unit	102	0.011
Fixpoint terminals			Black	B	3SB34 23-2F	1	1 unit	102	0.011
			Blue	B	3SB34 23-2G	1	1 unit	102	0.010
			Green/Yellow	B	3SB34 23-2H	1	1 unit	102	0.010



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

Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
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Accessories



Pressure plates for selector switches and key-operated switches For actuating the central contact block of 3 contact blocks	B	3SB39 01-0AW		100	10 units	102	0.100
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3SB3 Pushbuttons and Indicator Lights, 22 mm Enclosures

Inscription labels for enclosures

Overview

Black labels

The inscription labels (black with white inscription or silver-colored with black print) have an adhesive layer on the back. The size of the labels is 22 mm × 22 mm.

Inscriptions

The inscriptions have upper case initial letters. The typeface is Arial. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417 (see page 9/91).

Selection and ordering data

PU (UNIT) = 1
 PS* = 10 units (customized inscription: 1 unit)
 PG = 102

Inscriptions	DT	Black	Weight per PU approx.	DT	Silver-colored	Weight per PU approx.
		Order No.	Price per PU		Order No.	Price per PU
			kg			kg

Inscription labels, self-adhesive, 22 mm × 22 mm



For self-inscription

Blank	▶	3SB39 06-1AA	0.100	B	3SB19 01-3AA	0.100
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With inscription



Ein	B	3SB39 06-1AB	0.001	B	3SB19 01-3AB	0.001
On	B	3SB39 06-1EB	0.001	B	3SB19 01-3EB	0.001
Aus	B	3SB39 06-1AC	0.001	B	3SB19 01-3AC	0.001
Off	B	3SB39 06-1EC	0.001	B	3SB19 01-3EC	0.001



Auf	B	3SB39 06-1AD	0.001	B	3SB19 01-3AD	0.001
Up	B	3SB39 06-1ED	0.001	B	3SB19 01-3ED	0.001
Ab	B	3SB39 06-1AE	0.001	B	3SB19 01-3AE	0.001
Down	B	3SB39 06-1EE	0.001	B	3SB19 01-3EE	0.001

Auf	B	3SB39 06-1AD	0.001	B	3SB19 01-3AD	0.001
Open	B	3SB39 06-1EP	0.001	B	3SB19 01-3EP	0.001
Zu	B	3SB39 06-1AL	0.001	B	3SB19 01-3AL	0.001
Close	B	3SB39 06-1EQ	0.001	B	3SB19 01-3EQ	0.001

Vor	B	3SB39 06-1AF	0.001	B	3SB19 01-3AF	0.001
Forward	B	3SB39 06-1EF	0.001	B	3SB19 01-3EF	0.001
Zurück	B	3SB39 06-1AG	0.001	B	3SB19 01-3AG	0.001
Reverse	B	3SB39 06-1EG	0.001	B	3SB19 01-3EG	0.001

Rechts	B	3SB39 06-1AH	0.001	B	3SB19 01-3AH	0.001
Right	B	3SB39 06-1EH	0.001	B	--	--
Links	B	3SB39 06-1AJ	0.001	B	3SB19 01-3AJ	0.001
Left	B	3SB39 06-1EJ	0.001	B	--	--

Schnell	B	3SB39 06-1AM	0.001	B	3SB19 01-3AM	0.001
Fast	B	3SB39 06-1ER	0.001	B	--	--
Langsam	B	3SB39 06-1AN	0.001	B	3SB19 01-3AN	0.001
Slow	B	3SB39 06-1ES	0.001	B	--	--

Betrieb	B	3SB39 06-1AP	0.001	B	3SB19 01-3AP	0.001
Running	B	3SB39 06-1EV	0.001	B	3SB19 01-3EV	0.001
Störung	B	3SB39 06-1AQ	0.001	B	3SB19 01-3AQ	0.001
Fault	B	3SB39 06-1EW	0.001	B	--	--

Einrichten	B	3SB39 06-1AR	0.001	B	3SB19 01-3AR	0.001
Start	B	3SB39 06-1EL	0.001	B	3SB19 01-3EL	0.001
Reset	B	3SB39 06-1EM	0.001	B	3SB19 01-3EM	0.001
Test	B	3SB39 06-1EN	0.001	B	3SB19 01-3EN	0.001

Halt	B	3SB39 06-1AK	0.001	B	3SB19 01-3AK	0.001
Stop	B	3SB39 06-1EK	0.001	B	3SB19 01-3EK	0.001
NOT-HALT	B	3SB39 06-1AS	0.001	B	3SB19 01-3AT	0.001
NOT-AUS	B	3SB39 06-1AV	0.001	B	3SB19 01-3AS	0.001
EMERGENCY STOP	B	3SB39 06-1EY	0.001	B	3SB19 01-3EY	0.001

Lüfter	B	3SB39 06-1CA	0.001	B	--	--
Pumpe	B	3SB39 06-1CB	0.001	B	3SB19 01-3CB	0.001
Kühlung	B	3SB39 06-1CC	0.001	B	--	--
Heizung	B	3SB39 06-1CD	0.001	B	--	--

Beleuchtung	B	3SB39 06-1CE	0.001	B	3SB19 01-3CE	0.001
Filter	B	3SB39 06-1CF	0.001	B	--	--
Motor	C	3SB39 06-1CG	0.001	B	--	--
Kompressor	C	3SB39 06-1CH	0.001	X	3SB19 01-3CH	0.001

With graphic symbol

O	B	3SB39 06-1MB	0.001	B	3SB19 01-3MB	0.001
I	B	3SB39 06-1MC	0.001	B	3SB19 01-3MC	0.001
II	B	3SB39 06-1MD	0.001	B	3SB19 01-3MD	0.001
III	B	3SB39 06-1ME	0.001	B	3SB19 01-3ME	0.001


O I (horizontal)	B	3SB39 06-1MF	0.001	B	3SB19 01-3MF	0.001
I O II (horizontal)	B	3SB39 06-1MG	0.001	B	3SB19 01-3MG	0.001
I O (vertical)	B	3SB39 06-1MH	0.001	B	3SB19 01-3MH	0.001
II O I (vertical)	B	3SB39 06-1MW	0.001	C	3SB19 01-3MW	0.001

→	B	3SB39 06-1NA	0.001	B	3SB19 01-3NA	0.001
---	---	---------------------	-------	---	---------------------	-------

3SB3 Pushbuttons and Indicator Lights, 22 mm Enclosures

Inscription labels for enclosures

PU (UNIT) = 1
 PS* = 10 units (customized inscription: 1 unit)
 PG = 102

Inscriptions	DT	Black			DT	Silver-colored		
		Order No.	Price per PU	Weight per PU approx. kg		Order No.	Price per PU	Weight per PU approx. kg
Inscription labels, self-adhesive, 22 mm × 22 mm								
 <p><i>With customized inscription</i> For inscriptions or symbols see "Options" • Text line(s) or symbol with No.</p>		3SB39 06-0XZ				3SB19 01-3XZ		
	C	K0Y		0.001	C	K0Y		0.001
	B	K1Y, K2Y, K3Y or K5Y		0.001	D	K1Y, K2Y, K3Y or K5Y		0.001
• Any inscription or symbol	B	K9Y		0.001	D	K9Y		0.001

Options

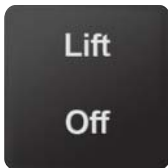
Customized inscriptions

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

A letter height of 4 mm is used as standard 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.

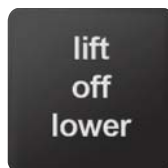
Examples for customized inscription



Two-line inscription in upper/lower case lettering (K0Y)



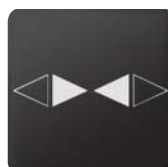
Single-line inscription in upper case lettering (K1Y)



Three-line inscription in lower case letters (K2Y)



Symbol number 5011 according to IEC 60417 (K3Y)



Any symbol according to order form supplement (K9Y)

Ordering notes

Append the following codes to the Order No.:

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

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 example 2 and 3](#)).

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

Ordering example 1

A label with 2 lines of text is required:

3SB39 06-0XZ
 K1Y
 Z1 = LIFT
 Z2 = LOWER

Ordering example 2

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

3SB39 06-0XZ
 K3Y
 Z = 5011 IEC

Ordering example 3

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












3SB39 06-0XZ
 K3Y
 Z = 1118 ISO

* You can order this quantity or a multiple thereof.

3SB3 Pushbuttons and Indicator Lights, 22 mm Enclosures

Accessories for enclosures

Selection and ordering data

Version	Color/ inscription	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Blanking plugs for spare command points								
 3SB39 21-0AA	Blanking plugs For plastic version, round	Black	▶ 3SB39 21-0AA		1	10 units	102	0.012
 3SB19 02-0AQ	Blanking plugs For metal version, round	Aluminized	B 3SB19 02-0AQ		1	10 units	102	0.081
Holders and pressure plates								
 3SB39 01-0AB	Holders for pushbuttons and switches For snapping on 3 blocks, ¹⁾ for front plate mounting		▶ 3SB39 01-0AB		100	20 units	102	0.100
 3SB39 01-0AC	Holders for selector switches and key-operated switches with pressure plate For actuating a central contact block, for front plate mounting		▶ 3SB39 01-0AC		100	10 units	102	0.200
 3SB39 01-0AW	Pressure plates for selector switches and key-operated switches For actuating a central contact block, for floor mounting		B 3SB39 01-0AW		100	10 units	102	0.100
Accessories for enclosures								
	Yellow name plates As backing plate for EMERGENCY-STOP, self-adhesive	Without inscription	B 3SB19 02-1AQ		1	1 unit	102	0.001
		With inscription	B 3SB19 02-2AQ		1	1 unit	102	0.001
		• NOT-HALT	B 3SB39 21-0CJ		1	1 unit	102	0.001
		• NOT-AUS	B 3SB39 21-0BV		1	1 unit	102	0.001
 3SB39 01-0CK	M20 cable gland including hexagonal nut		B 3SB39 01-0CK		1	1 unit	102	0.011
		M25 cable gland including hexagonal nut	B 3SB39 01-0CM		1	1 unit	102	0.014
 3SB39 01-0CL	M20 hexagonal nuts For cable glands		B 3SB39 01-0CL		100	10 units	102	0.100
		M25 hexagonal nuts For cable glands	B 3SB39 01-0CN		100	10 units	102	0.100
 3SB39 01-0C	Connecting pieces For connecting 2 plastic enclosures	• M20/M20	B 3SB39 01-0CS		1	1 unit	102	0.038
		• M20/M25	B 3SB39 01-0CT		1	1 unit	102	0.038
		• M25/M25	B 3SB39 01-0CU		1	1 unit	102	0.038
 3SB39 01-0C	Connecting pieces For connecting 2 metal enclosures	• M20/M20	B 3SB39 01-0CP		1	1 unit	102	0.038
		• M20/M25	B 3SB39 01-0CQ		1	1 unit	102	0.040
 3SB39 01-0AB	Enclosure nuts For plastic version		B 3SB39 31-0AB		1	10 units	102	0.007

¹⁾ The holder for illuminated commanding devices is included in the scope of supply.

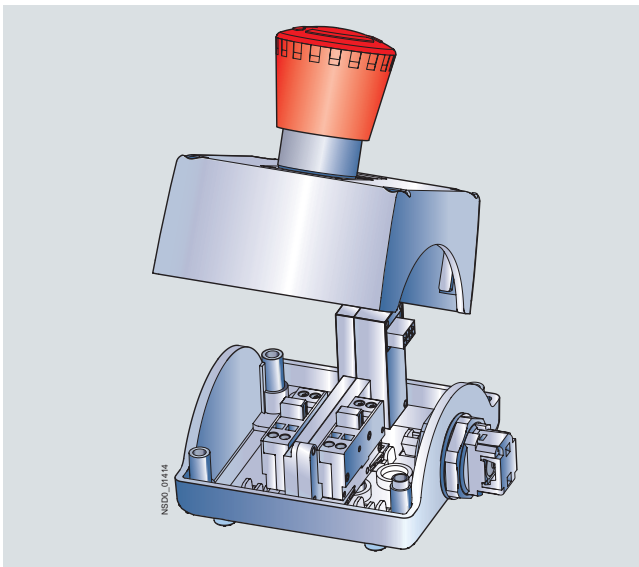
3SB3 Pushbuttons and Indicator Lights, 22 mm Enclosures for AS-Interface

General data

Overview



Distributed command devices of the 3SB3 series can be quickly connected to the AS-Interface using AS-Interface enclosures. Using suitable components you can make your own enclosures with integrated AS-Interface or flexibly modify existing enclosures.



EMERGENCY-STOP enclosures

Enclosures

Color of enclosure cover:

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

Color of enclosure base:

- Black, RAL 9005

Installation of AS-Interface slaves

The following slave types are available for connecting the command points:

- Slave in A/B technology with 4 inputs and 3 outputs
- Slave with 4 inputs and 4 outputs
- F slave with 2 safe inputs for EMERGENCY-STOP

The following table shows the maximum number of equippable slaves:

Enclosures for	Number of slaves for enclosures without EMERGENCY-STOP	Number of slaves for enclosures with EMERGENCY-STOP
1 command point	Not available	1 x F slave
2 command points	1 x slave 4I/4O or 4I/3O	Not available
3 command points	1 x slave 4I/4O or 4I/3O	1 x slave 4I/4O or 4I/3O + 1 x F slave
4 command points	2 x slave 4I/4O or 4I/3O ¹⁾	2 x slave 4I/4O or 4I/3O + 1 x F slave ¹⁾
6 command points	2 x slave 4I/4O or 4I/3O	2 x slave 4I/4O or 4I/3O + 1 x F slave

¹⁾ For metal enclosures with 4 command points, only 1 x slave 4I/4O or 4I/3O is possible.

Connection

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

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

For connection to the AS-Interface bus there is a choice of the following options:

- 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.

Customized enclosures (selection by configurator)

To order customized 3SF58 AS-Interface enclosures with the 3SB3 control devices, use the 3SB/3SF configurator to select the blocks for equipping. An electronic order form will be generated for the additional options.

For ordering notes see page 9/87.

3SB3 Pushbuttons and Indicator Lights, 22 mm Enclosures for AS-Interface

AS-Interface enclosures with standard fittings

Overview

Enclosures with standard fittings are available with:

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

The actuators/indicators are fixed with an enclosure nut. If required it can be disassembled with a 27 mm socket wrench or with a 3SX17 07 ring nut wrench.

The enclosures without EMERGENCY-STOP each have one user module with 4I/3O; the enclosures with EMERGENCY-STOP have a safe AS-Interface slave integrated in the enclosure.

EMERGENCY-STOP enclosures are fitted with two NC contact blocks, which are wired to the safe slave. The contact blocks and lampholders (with spring-type terminals) of the control device, and the AS-Interface slaves, are mounted in the base of the enclosure and are cable-connected.

The plastic versions of the enclosures have a connection for the AS-Interface flat cable (the cable is routed past the enclosure on the outside); in the case of the metal versions the AS-Interface cable is routed into the enclosure.

The EMERGENCY-STOP enclosures can also be supplied with an M12 plug in place of the gland.

Selection and ordering data

Equipping options (A, B, C = identification letters of the command points)	Number of command points	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
AS-Interface enclosures, plastic								
<i>With M12 top connector</i>								
A = EMERGENCY-STOP mushroom pushbuttons, with rotate-to-unlatch mechanism, 1 NC, 1 NC, yellow enclosure top	1	B	3SF5 811-0AA10		1	1 unit	121	0.315
<i>With terminal for insulation piercing method at top</i>								
A = EMERGENCY-STOP mushroom pushbuttons, with rotate-to-unlatch mechanism, 1 NC, 1 NC								
• Yellow enclosure top	1	A	3SF5 811-0AA08		1	1 unit	121	0.315
• Yellow enclosure top, with protective collar	1	A	3SF5 811-0AB08		1	1 unit	121	0.415
B = Pushbutton green, label "I", 1 NO A = Pushbutton red, label "O", 1 NO	2	A	3SF5 812-0DA00		1	1 unit	121	0.352
B = Pushbutton white, label "I", 1 NO A = Pushbutton black, label "O", 1 NO	2	A	3SF5 812-0DB00		1	1 unit	121	0.352
C = Indicator lights clear, label without inscription B = Pushbutton green, label "I", 1 NO A = Pushbutton red, label "O", 1 NO	3	A	3SF5 813-0DA00		1	1 unit	121	0.420
C = Indicator lights clear, label without inscription B = Pushbutton white, label "I", 1 NO A = Pushbutton black, label "O", 1 NO	3	A	3SF5 813-0DC00		1	1 unit	121	0.415
C = Pushbutton black, label "II", 1 NO B = Pushbutton black, label "I", 1 NO A = Pushbutton red, label "O", 1 NO	3	A	3SF5 813-0DB00		1	1 unit	121	0.416
AS-Interface enclosures, metal								
<i>With M12 top connector</i>								
A = EMERGENCY-STOP mushroom pushbuttons, with rotate-to-unlatch mechanism, 1 NC, 1 NC								
• Yellow enclosure top	1	C	3SF58 11-2AA10		1	1 unit	121	0.315
• Yellow enclosure top, with protective collar	1	C	3SF58 11-2AB10		1	1 unit	121	0.315
<i>With cable gland at top</i>								
A = EMERGENCY-STOP mushroom pushbuttons, with rotate-to-unlatch mechanism, 1 NC, 1 NC								
• Yellow enclosure top	1	A	3SF5 811-2AA08		1	1 unit	121	0.415
• Yellow enclosure top, with protective collar	1	A	3SF5 811-2AB08		1	1 unit	121	0.415
B = Pushbutton green, label "I", 1 NO A = Pushbutton red, label "O", 1 NO	2	A	3SF5 812-2DA00		1	1 unit	121	0.415
B = Pushbutton white, label "I", 1 NO A = Pushbutton black, label "O", 1 NO	2	A	3SF5 812-2DB00		1	1 unit	121	0.415
C = Indicator lights clear, label without inscription B = Pushbutton green, label "I", 1 NO A = Pushbutton red, label "O", 1 NO	3	A	3SF5 813-2DA00		1	1 unit	121	0.415
C = Indicator lights clear, label without inscription B = Pushbutton white, label "I", 1 NO A = Pushbutton black, label "O", 1 NO	3	A	3SF5 813-2DC00		1	1 unit	121	0.415
C = Pushbutton black, label "II", 1 NO B = Pushbutton black, label "I", 1 NO A = Pushbutton red, label "O", 1 NO	3	A	3SF5 813-2DB00		1	1 unit	121	0.415










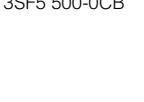



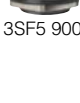

* You can order this quantity or a multiple thereof.

3SB3 Pushbuttons and Indicator Lights, 22 mm Enclosures for AS-Interface

Components for AS-Interface enclosures

Selection and ordering data

For self-equipping of the enclosures

Version	Number of command points	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
For plastic enclosures								
 3SF5 500-0BA	AS-Interface slaves F slave, 2 safe inputs, for plastic enclosure, EMERGENCY-STOP, without protective collar	1 ... 6	A	3SF5 500-0BA		1	1 unit	121 0.415
 3SF5 500-0DA	F slave, 2 safe inputs, for plastic or metal enclosure, EMERGENCY-STOP, with protective collar	1	A	3SF5 500-0DA		1	1 unit	121 0.415
 3SF5 500-0BB	A/B slave, 4I/3O for plastic enclosure	2 ... 6	A	3SF5 500-0BB		1	1 unit	121 0.001
	Slave, 4I/4O, for plastic enclosure	2 ... 6	A	3SF5 500-0BC		1	1 unit	121 0.001
Sets of links								
 3SF5 900-0CA	For F slave		A	3SF5 900-0BA		1	1 unit	121 0.001
	For slave 4I/4O or A/B slave 4I(3O)		A	3SF5 900-0BB		1	1 unit	121 0.001
Connection elements								
 3SF5 900-0CA	For AS-Interface shaped cable, connection by insulation piercing method, for plastic enclosure	1 ... 3	A	3SF5 900-0CA		1	1 unit	121 0.001
 3SF5 900-0CB	For AS-Interface connection using M12 plug, for plastic enclosure	4 ... 6	B	3SF5 900-0CB		1	1 unit	121 0.001
 3SF5 900-0CC	For bringing out unused inputs/outputs through an M12 socket, for plastic enclosure	1 ... 3	B	3SF5 900-0CC		1	1 unit	121 0.001
		4 ... 6	B	3SF5 900-0CD		1	1 unit	121 0.001
 3SF5 900-0CG	For AS-Interface shaped cable, cable is routed into the enclosure, for plastic or metal enclosure	1 ... 3	A	3SF5 900-0CG		1	1 unit	121 0.001
		4 ... 6	A	3SF5 900-0CH		1	1 unit	121 0.001
	For round cable, cable is routed into the enclosure, for plastic or metal enclosure	1 ... 3	A	3SF5 900-0CJ		1	1 unit	121 0.001
		4 ... 6	A	3SF5 900-0CK		1	1 unit	121 0.001
For metal enclosures								
 3SF5 500-0CA	AS-Interface slaves F slave, 2 safe inputs, for metal enclosure, EMERGENCY-STOP, without protective collar	1 ... 6	A	3SF5 500-0CA		1	1 unit	121 0.415
 3SF5 500-0DA	F slave, 2 safe inputs, for plastic or metal enclosure, EMERGENCY-STOP, with protective collar	1	A	3SF5 500-0DA		1	1 unit	121 0.415
 3SF5 500-0CB	A/B slave, 4I/3O for metal enclosure	2 ... 6	A	3SF5 500-0CB		1	1 unit	121 0.001
	Slave, 4I/4O, for metal enclosure	2 ... 6	A	3SF5 500-0CC		1	1 unit	121 0.001
Sets of links								
 3SF5 900-0BA	For F slave		A	3SF5 900-0BA		1	1 unit	121 0.001
	For slave 4I/4O or A/B slave 4I(3O)		A	3SF5 900-0BB		1	1 unit	121 0.001
Connection elements								
 3SF5 900-0CC	For AS-Interface connection using M12 plug, for metal enclosure	1 ... 3	B	3SF5 900-2CC		1	1 unit	121 0.001
 3SF5 900-0CD	For bringing out unused inputs/outputs through an M12 socket, for metal enclosure	4 ... 6	B	3SF5 900-2CD		1	1 unit	121 0.001
		1 ... 3	B	3SF5 900-2CE		1	1 unit	121 0.001
		4 ... 6	B	3SF5 900-2CF		1	1 unit	121 0.001
 3SF5 900-0CG	For AS-Interface shaped cable, cable is routed into the enclosure, for plastic or metal enclosure	1 ... 3	A	3SF5 900-0CG		1	1 unit	121 0.001
		4 ... 6	A	3SF5 900-0CH		1	1 unit	121 0.001
	For round cable, cable is routed into the enclosure, for plastic or metal enclosure	1 ... 3	A	3SF5 900-0CJ		1	1 unit	121 0.001
		4 ... 6	A	3SF5 900-0CK		1	1 unit	121 0.001

* You can order this quantity or a multiple thereof.

3SB3 Two-Hand Operation Consoles

Plastic and metal enclosures

Overview



Two-hand operation console with metal enclosure

Equipment

The two-hand operation consoles are pre-equipped with 3SB3 command devices. In the case of plastic enclosures the command points are equipped as standard with actuators and indicators made of plastic, in the case of metal enclosures they are equipped with actuators and indicators made of metal.

The standard equipment comprises:

- 2 black mushroom pushbuttons, Ø 40 mm, 1 NO + 1 NC, Order No. 3SB30 00-1GA11 or 3SB35 00-1GA11
- 1 red EMERGENCY-STOP mushroom pushbutton according to ISO 13850, Ø 40 mm, with positive latching, 2 NC, Order No. 3SB30 00-1HA20 or 3SB35 00-1HA20.

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.

Operator panels 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, suitable evaluation units are used, e. g. 3TK28 3 safety relays (see Chapter 7 "Monitoring and Control Devices" --> "Safety Relays").

Standards

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

Selection and ordering data

Version	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Metal enclosures, degree of protection IP65								
 3SB38 63-4BB	Two-hand operation consoles, metal enclosure							
	• With standard fittings	B	3SB38 63-4BB		1	1 unit	102	4.800
	• With standard fittings and 4 additional holes for 22.5 mm command devices ¹⁾	B	3SB38 63-4BA		1	1 unit	102	4.800
	• Empty enclosure, unequipped	B	3SB38 63-4BC		1	1 unit	102	4.800
Plastic enclosures, degree of protection IP65								
 3SB38 63-1BB3	Two-hand operation consoles, plastic enclosure							
	With standard fittings and premachined breaking points for 8 additional 22.5 mm ¹⁾ command devices, with holes for metric cable glands	B	3SB38 63-1BB3		1	1 unit	102	2.300
Accessories								
 3SB39 01-0AQ	Stands for two-hand operation consoles							
	With holes for metric cable glands	B	3SB39 01-0AQ3		1	1 unit	102	4.500

¹⁾ See 3SB3 Pushbuttons and Indicator Lights.

3SE7 metal enclosures

Overview



The cable-operated switches are used for monitoring or for EMERGENCY-STOP devices on particularly endangered system sections.

As the effective range of a cable-operated switch is only limited by the length of the trip-wire, large systems can also be protected. Cable-operated switches (requiring pulling at both ends) and conveyor belt unbalance trackers are used primarily for monitoring very long belt systems.

Contact blocks

The switches for bowden wire lengths up to 50 m are available with 1 NO + 1 NC or 2 NC contacts, and up to 75 m with 1 NO + 3 NC contacts. The switches for bowden wire lengths of 2 × 75 m and the conveyor belt unbalance trackers are supplied with 2 NO + 2 NC contacts.

The NC contacts of the cable-break or cable-pull signaling are positive opening. The NO contact can be used, for example, for signaling purposes.

Free position and indication

Cable-operated switches with one-side operation are held in free position by the pre-tension on the turnbuckle.

On switches with interlocking, with a pretensioned cable, the locking must be deactivated beforehand in order to return the cable-operated switch to its original position.

The cable-operated switch and the conveyor belt unbalance tracker can be supplied optionally with a factory-fitted LED (red, 24 V DC). This light in innovative chip-on-board technology allows the operating state of the switch to be visible at a distance of at least 50 m.

Application

Standards

The switches are equipped with positive latching and positive NC contacts and are thus suitable for operation in EMERGENCY-STOP devices according to EN ISO 13850.



More information

Type	3SE7 120	3SE7 150	3SE7 140	3SE7 141	3SE7 160	3SE7 310
General data						
Standards	IEC 60947-5-1, EN 60947-5-1; IEC 60204-1, EN 60204-1; EN ISO 13850					
Approvals	UL/CSA					
Electrical design	Contacts electrically isolated from each other					
Electrical load						
• At AC-15	400 V AC, 6 A		250 V AC, 2 A		400 V AC, 6 A	
• Min.	24 V AC/DC, 10 mA					
Short-circuit protection	A	6 (slow)				
Mechanical endurance	> 1 million operating cycles					
Contact material	Fine silver					
Operation	By pulling or breaking of bowden wire					
Bowden wire length, maximum	m	10	25	50	75	2 × 75
Distance between wire supports, max.	m	2.5	3	5		
Enclosures						
Enclosure material	GD Al alloy, coated (color), dark black RAL 9005					
Cover	Shock-resistant thermoplast					
Degree of protection acc. to EN 60529	IP65			IP67		IP65
Ambient temperature	°C	-25 ... +70				
Mounting	Designed for M5					
Fixing spacing	mm	30 and 40				
Cable entry	2 × (M20 × 1.5)		1 × (M16 × 1.5)		3 × (M20 × 1.5) 2 × (M25 × 1.5)	
Connection type	Screw terminals M3.5, self-lifting clamp terminal					

3SE7, 3SF2 Cable-Operated Switches

3SE7 metal enclosures

Selection and ordering data

Version	Wire length	Contacts	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	m								kg
Cable-operated switches									
	Metal enclosures, IP65 (cover made of molded plastic)	10							
			1 NO + 1 NC → ¹⁾ A	3SE7 120-2DD01		1	1 unit	102	0.395
			2 NC → ¹⁾ A	3SE7 120-1BF00		1	1 unit	102	0.410
	Metal enclosures, IP65 (cover made of molded plastic), with dust protection and alignment window	25							
			1 NO + 1 NC → ¹⁾ A	3SE7 150-2DD00		1	1 unit	102	0.425
			1 NO + 1 NC → ¹⁾ A	3SE7 150-1BD00		1	1 unit	102	0.445
			2 NC → ¹⁾ A	3SE7 150-1BF00		1	1 unit	102	0.440
			1 NO + 1 NC → ¹⁾ A	3SE7 150-1CD00		1	1 unit	102	0.510
	Metal enclosures, IP65 (cover made of molded plastic), with dust protection and alignment window, with LED, red, 24 V DC	25							
			1 NO + 1 NC → ¹⁾ A	3SE7 150-2DD04		1	1 unit	102	0.425
			1 NO + 1 NC → ¹⁾ A	3SE7 150-1BD04		1	1 unit	102	0.450
	Metal enclosures, IP65 (cover made of molded plastic), with dust protection	50							
			1 NO + 1 NC → ¹⁾ A	3SE7 140-1BD00		1	1 unit	102	0.790
			2 NC → ¹⁾ A	3SE7 140-1BF00		1	1 unit	102	0.790
			1 NO + 1 NC → ¹⁾ A	3SE7 140-1BD04		1	1 unit	102	0.820
			1 NO + 1 NC → ¹⁾ A	3SE7 140-1CD00		1	1 unit	102	0.835
	Metal enclosures, IP67 (cover made of molded plastic), with EMERGENCY-STOP mushroom, rotate-to-unlatch mechanism	75							
			1 NO + 3 NC → ¹⁾ A	3SE7 141-1EG10		1	1 unit	102	0.790
	Metal enclosures, IP65 with actuation on both sides	2 × 75							
			2 NO + 2 NC → ¹⁾ A	3SE7 160-1AE00		1	1 unit	102	1.270
			1 NO + 1 NC → ¹⁾ A	3SE7 160-1BD00		1	1 unit	102	0.300
			2 NO + 2 NC → ¹⁾ A	3SE7 160-1AE04		1	1 unit	102	1.200
Conveyor belt unbalance protection devices									
	Metal enclosures, IP65								
			2 NO + 2 NC → ¹⁾ A	3SE7 310-1AE00		1	1 unit	102	1.805
			2 NO + 2 NC → ¹⁾ A	3SE7 310-1AE04		1	1 unit	102	1.815

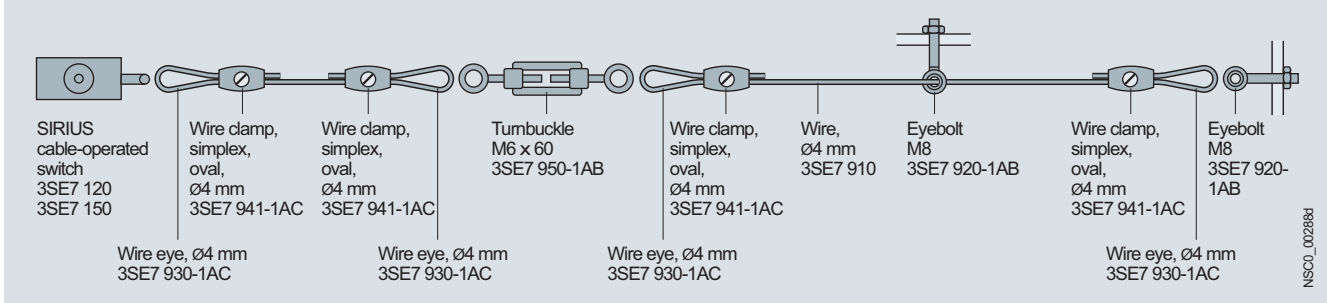
¹⁾ Positive opening according to IEC 60947-5-1, Appendix K.

3SE7 metal enclosures

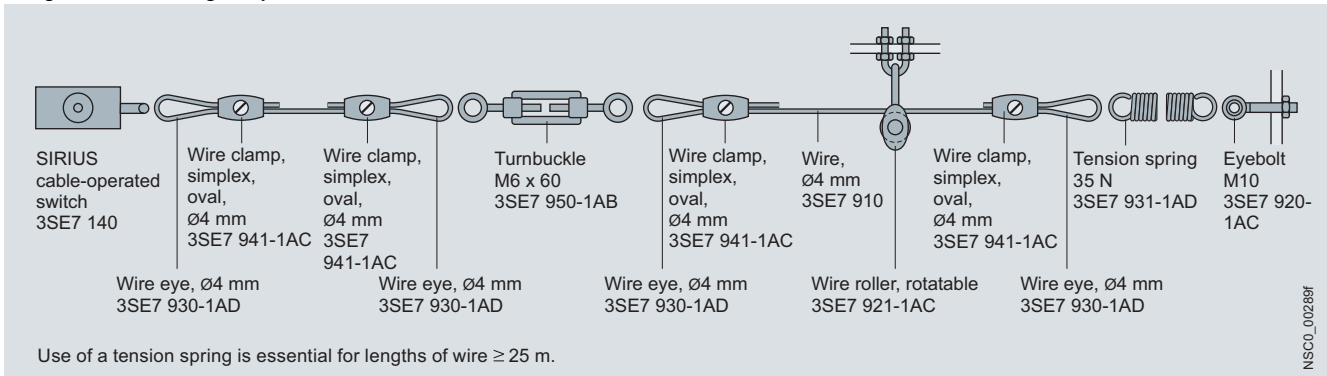
Accessories

Configuration of the cable-operated switches

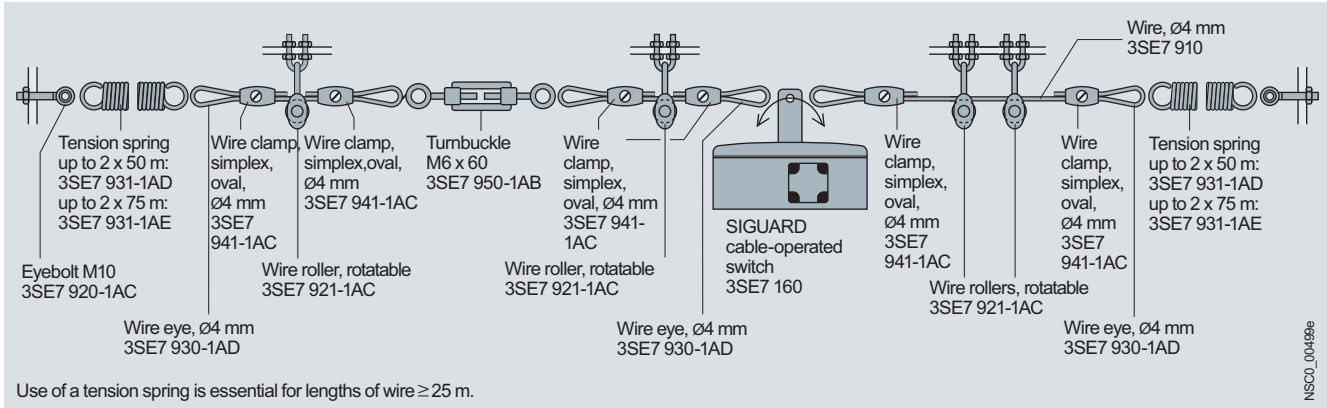
Short bowden wire lengths up to 25 m



Long bowden wire lengths up to 50 m











Pulling from both sides up to 2 x 75 m



Note:
Large temperature fluctuations require corresponding compensation springs. For reliable connection the PVC sheath must be removed from the clamping area of the steel bowden wire. Bowden wire supports must be used at the recommended intervals.

3SE7, 3SF2 Cable-Operated Switches

3SE7 metal enclosures

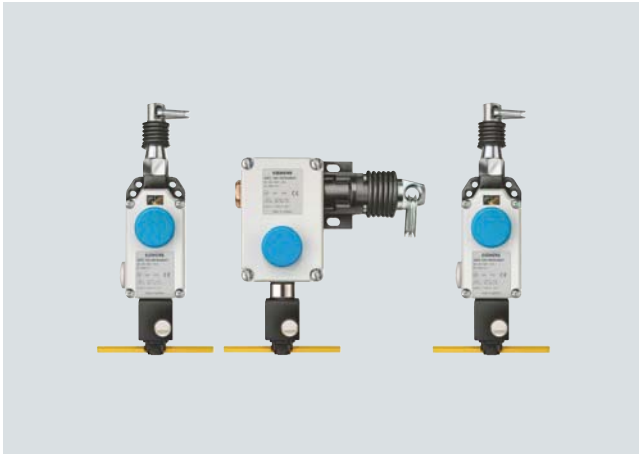
Version	Wire length/ diameter	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Trip-wire with fixing									
	Steel wires , with red plastic sheath, Ø 4 mm ¹⁾	10 m	A	3SE7 910-3AA		1	1 unit	102	0.420
		15 m	A	3SE7 910-3AB		1	1 unit	102	0.665
		20 m	A	3SE7 910-3AC		1	1 unit	102	0.865
		50 m	A	3SE7 910-3AH		1	1 unit	102	2.065
	Wire clamps , galvanized white								
	• Oval	2 × Ø 4 mm	A	3SE7 941-1AC		1	1 unit	102	0.040
	• Simplex (1 set = 4 units)	2 × Ø 4 mm	A	3SE7 943-1AC		1	4 units	102	0.010
	• Duplex (1 set = 4 units)	2 × Ø 4 mm	A	3SE7 944-1AC		1	4 units	102	0.020
	• Single (1 set = 4 units)	2 × Ø 4 mm	A	3SE7 942-1AA		1	4 units	102	0.025
	Tension springs (zinc-plated) to maintain the counter tension								
	• 13 N		A	3SE7 931-1AB		1	1 unit	102	0.150
	• 35 N, for bowden wires up to 50 m		A	3SE7 931-1AD		1	1 unit	102	0.340
	• > 35 N, for bowden wires up to 2 × 75 m		A	3SE7 931-1AE		1	1 unit	102	0.340
	Wire rollers for changing the direction of the wire, rotatable	Ø 4 mm	A	3SE7 921-1AC		1	1 unit	102	0.045
	Fixtures for the wire rollers (including fixing nuts)		A	3SE7 921-1AA		1	1 unit	102	0.015
	Wire eyes for changes in wire direction and improved power transmission at the fixing points (1 set = 4 units)	Ø 4 mm	A	3SE7 930-1AD		1	4 units	102	0.005
	Eyebolts for fixing the wire								
	• Including M8 nut		A	3SE7 920-1AB		1	1 unit	102	0.035
	• Including M10 nut		A	3SE7 920-1AC		1	1 unit	102	0.060
	Turnbuckles for precise adjustment of the pretension								
	• M6 × 60		A	3SE7 950-1AB		1	1 unit	102	0.055
	• M6 × 110		A	3SE7 950-1AD		1	1 unit	102	0.075
Spare parts									
	LED lamps , red 24 V DC 25 mm diameter; for M20 x 1.5 connection		A	3SX3 235		1	1 unit	102	0.015

¹⁾ Diameter including casing; the diameter of the steel wire is 3.2 mm.

3SE7, 3SF2 Cable-Operated Switches

3SF2 AS-Interface cable-operated switches

Overview



AS-Interface cable-operated switches can now be directly connected via the standard AS-Interface with safety-oriented communication.

The safety functions no longer have to be conventionally wired up.

Application

SIRIUS cable-operated switches are used for monitoring or for EMERGENCY-STOP devices on particularly endangered system sections.

As the effective range of a cable-operated switch is only limited by the length of the trip-wire, large systems can also be protected.

Standards

The switches with positive latching are suitable for operation in EMERGENCY-STOP devices in according to ISO 13850. They can achieve up to category 4 according to EN ISO 13849-1 (EN 954-1) or SIL 3 according to IEC 61508.

Selection and ordering data

Version	Basic switches	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
								kg

ASIsafe cable-operated switches

Metal enclosures, IP65
(cover made of molded plastic), with dust protection, latching acc. to ISO 13850, with button reset, 2 NC contacts

- For wire lengths up to 10 m, *3SE7 120-1BF00* → C



3SF2 120-1BF00-0BA1

- For wire lengths up to 25 m, *3SE7 150-1BF00* → C



3SF2 150-1BF00-0BA1

- For wire lengths up to 50 m, *3SE7 140-1BF00* → B



3SF2 140-1BF00-0BA1

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

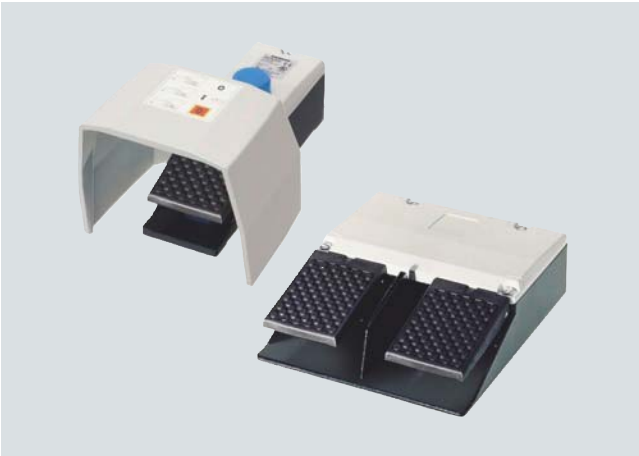
3SF2 120-1BF00-0BA1	1	1 unit	121	0.620
3SF2 150-1BF00-0BA1	1	1 unit	121	0.630
3SF2 140-1BF00-0BA1	1	1 unit	121	0.905

* You can order this quantity or a multiple thereof.

3SE2, 3SE3 Foot Switches

Plastic and metal enclosures

Overview



Foot switches with metal enclosures

Standard switches

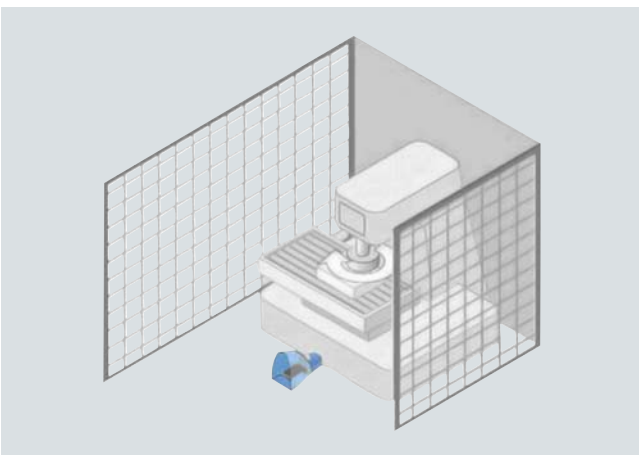
The 3SE2 9 and 3SE3 9 foot switch range encompasses versions in a metal enclosure for rugged applications as well as versions with plastic enclosure for less harsh environments. The devices can be supplied with or without a cover and have fixing holes for them to be screwed to the floor.

Depending on the particular application, the metal enclosures can be ordered 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 3SE2 924-3AA20 single-pedal safety foot switches are used on machines and plants as OK switches when operation by hand is not possible and the EMERGENCY-STOP function must be available if a hazardous status arises. The switches are interlocked according to EN ISO 13850 and bear the CE mark in accordance with the machinery directive.

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).

More information

Type	3SE29	3SE39
Metal and plastic enclosures		
Standards	IEC 60947-5-1	
Electrical load		
• At AC-15, 400 V	A 16 6 A for 3SE2903-1....	–
• At AC 250 V	A –	5
Short-circuit protection		
	A 16 (slow) 6 (slow) for 3SE2903-1....	5 (slow)
Mechanical endurance	> 10 ⁶ operating cycles	
Material		
• Enclosures	Aluminum casting	Impact-resistant thermoplast, self-extinguishing acc. to UL 94 VO
• Cover	Thermoplast	–
• Guard hood	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

Selection and ordering data

Version	Slow-action contacts for each pedal	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Metal enclosures, degree of protection IP65									
 3SE2 90.-AA20 3SE2 91.-AA20	Momentary-contact foot switches, single pedal M20 x 1.5 cable entry								
	• Without hood	1 NO + 1 NC → ¹⁾ A	A	3SE2 902-0AB20	1	1 unit	102	0.655	
		2 NO + 2 NC → ¹⁾ A	A	3SE2 903-1AB20	1	1 unit	102	0.665	
	• With hood	1 NO + 1 NC → ¹⁾ A	A	3SE2 902-0AA20	1	1 unit	102	1.375	
		2 NO + 2 NC → ¹⁾ A	A	3SE2 903-1AA20	1	1 unit	102	1.370	
 3SE2 912-2AB20 3SE2 912-2AA20	Momentary-contact foot switches, single pedal M20 x 1.5 cable entry								
	• Without hood	1 NO + 1 NC → ¹⁾ C	C	3SE2 912-2AB20	1	1 unit	102	0.665	
	• With hood	1 NO + 1 NC → ¹⁾ C	C	3SE2 912-2AA20	1	1 unit	102	1.350	
 3SE2 932-AB20 3SE2 932-AA20	Momentary-contact foot switches, two pedals M25 x 1.5 cable entry								
	• Without hood	1 NO + 1 NC → ¹⁾ B	B	3SE2 932-0AB20	1	1 unit	102	1.680	
		2 NO + 2 NC → ¹⁾ B	B	3SE2 932-1AB20	1	1 unit	102	1.870	
	• With hood	1 NO + 1 NC → ¹⁾ B	B	3SE2 932-0AA20	1	1 unit	102	2.550	
		2 NO + 2 NC → ¹⁾ B	B	3SE2 932-1AA20	1	1 unit	102	2.570	
 3SE2 924-3AA20	Safety foot switches, single pedal with hood, M20 x 1.5 cable entry, with interlock acc. to ISO 13850, NO closes as momentary contact type, NC opens with latching								
	2 NO + 2 NC → ¹⁾ C	C	3SE2 924-3AA20	1	1 unit	102	1.350		
Plastic enclosures, degree of protection IP65									
 3SE3 902-4CA20 3SE3 934-5CB20	Momentary-contact pedal switches, 3 m cable		Microswitch						
	• Single pedal	- Without hood	1 CO	B	3SE3 902-4CB20	1	1 unit	102	0.355
		- With hood	1 CO	B	3SE3 902-4CA20	1	1 unit	102	1.100
• Two pedals, without hood	2 x 1 CO	B	3SE3 934-5CB20	1	1 unit	102	0.800		

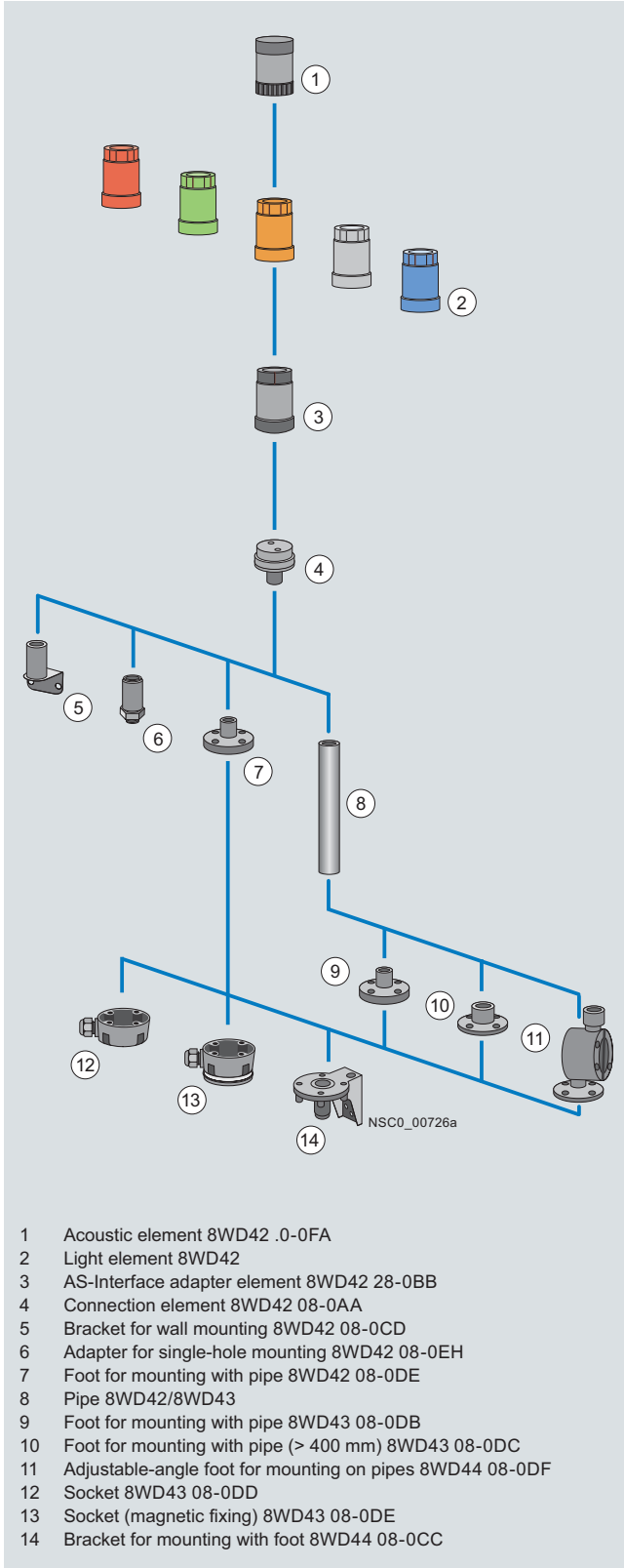
¹⁾ Positive opening according to IEC 60947-5-1, Appendix K.

8WD4 Signaling Columns

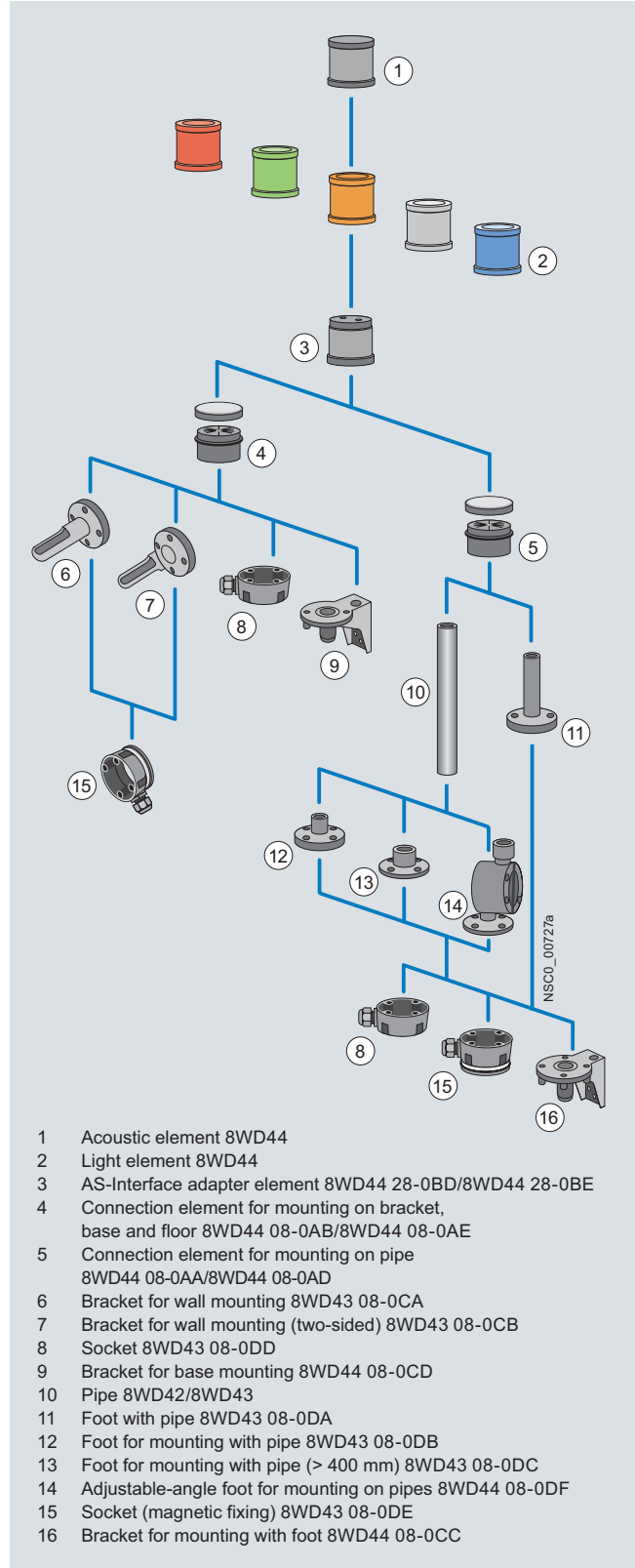
General data

Overview

The 8WD4 signaling columns are flexible in design and versatile in use.



8WD42 signaling columns (width 50 mm) with up to 4 elements



8WD44 signaling columns (width 70 mm) with up to 5 elements

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 (no No.), 4 light elements ②, connection element ④, pipe ⑧, foot ⑨
- 8WD44: Cover (no No.), acoustic element ①, 2 light elements ②, connection element ⑤, foot with pipe ⑪
- 8WD44: Cover (no No.), 4 light elements ②, AS-Interface adapter element ③, connection element ④, bracket for wall mounting ⑥
- 8WD44: Cover (no No.), 3 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 capability

Connection 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. Wiring outlay is reduced as the result. The two-wire bus cable is fixed to the screw terminals in the connection element. Up to three 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 the screw 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 positioned on the connection element. A maximum of 4 signaling elements can then be mounted on it.

The adapter element 8WD42 28-0BB 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 positioned on the connection element. The signaling elements can then be mounted on it.

The adapter element 8WD44 28-0BE is a standard slave. A maximum of 4 signaling elements can be mounted on it.

The adapter element 8WD44 28-0BD 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 3 signaling elements can be mounted on it.

8WD4 Signaling Columns

General data

More information

Type	8WD42	8WD44
General data		
Approvals	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 light	12 V, 24 V, 115 V, 230 V AC/DC	12 V, 24 V, 115 V, 230 V AC/DC
• Blinklight	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, blinklight/flashlight	--	500 mA
Light elements with integrated LED		
• Continuous light	24 V AC/DC/60 mA	24 V AC/DC/45 mA; 115 V AC/DC/25 mA; 230 V AC/25 mA
• Blinklight	--	24 V AC/DC/40 mA
• Rotating light	--	24 V AC/DC/70 mA
Acoustic elements		
• Buzzer element (tone: pulsating or continuous, 85 dB)	24 V AC/DC/25 mA; 115 V AC/DC/25 mA; 230 V AC/25 mA	24 V AC/DC/25 mA; 115 V AC/DC/25 mA; 230 V AC/25 mA
• Siren element (8 tones + amplification can be set, 100 dB)	--	24 V AC/DC/80 mA; 115 V AC/30 mA; 230 V AC/16 mA
• Siren element (108 dB)	--	24 V DC/100 mA
GSM radio elements	--	24 V DC (controlled $\pm 15\%$)/50 mA, transient 450 mA
Power consumption		
• Incandescent lamps, base BA 15d	W	max. 5
• Flashlight, flash energy	Ws	--
• Flashlight, flash energy		7
		2
Endurance		
• Flashlights	4 x 10 ⁶ flashes	4 x 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 V ... 31.6
• Power consumption I_{max}	mA	50
Protective measures		
• Watchdog	✓	✓
• Short-circuit/overload protection	External back-up fuse M 1.6 A	✓
• Reverse polarity protection	✓	✓
• Induction protection	Does not apply	✓
Outputs		
		4 relay outputs
• Load voltage	V	External auxiliary voltage
	V	0 ... 30
		0 ... 230
• Current carrying capacity ΣI_{max}		
- with external auxiliary voltage	A	1.5
- without external auxiliary voltage	A	--
		3 solid-state outputs
		through bus cable or external auxiliary voltage, switch-selectable
		0.3
		0.2
Operating temperature	°C	-20 ... +50
		-30 ... +50
Enclosures		
Enclosure material	Thermoplast (polyamide), impact-resistant, black	Thermoplast (polyamide), impact-resistant, black
Light elements, GSM radio element	Thermoplast (polycarbonate)	Thermoplast (polycarbonate)
Mounting		
• Horizontal (for floor mounting, foot with 25 mm Ø 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 terminals
• Tightening torque	Nm	Spring-type terminals/M3 screw terminals Max. 2.5 - / max. 0.5

8WD42 signaling columns, 50 mm diameter

Overview

Features:

- Thermoplast enclosure, diameter 50 mm
- Degree of protection IP54
- Up to 4 elements can be mounted

Selection and ordering data

Version	Rated voltage	Color	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.	
	V								kg	
Acoustic elements¹⁾										
	Buzzer elements 80 dB, pulsating or continuous tone, adjustable by means of a wire jumper	24 AC/DC	Black	A	8WD42 20-0FA		1	1 unit	102	0.060
		115 AC		A	8WD42 40-0FA		1	1 unit	102	0.065
		230 AC		A	8WD42 50-0FA		1	1 unit	102	0.065
Light elements for incandescent lamps/LEDs, BA 15d bases²⁾										
	Continuous light elements	24 ... 230	Red	A	8WD42 00-1AB		1	1 unit	102	0.050
			Green	A	8WD42 00-1AC		1	1 unit	102	0.050
			Yellow	A	8WD42 00-1AD		1	1 unit	102	0.050
			Clear	A	8WD42 00-1AE		1	1 unit	102	0.050
			Blue	A	8WD42 00-1AF		1	1 unit	102	0.050
Light elements with integrated LED										
	Continuous light elements	24 AC/DC	Red	A	8WD42 20-5AB		1	1 unit	102	0.050
			Green	A	8WD42 20-5AC		1	1 unit	102	0.050
			Yellow	A	8WD42 20-5AD		1	1 unit	102	0.050
	Blinklight elements	24 AC/DC	Red	A	8WD42 20-5BB		1	1 unit	102	0.050
			Green	A	8WD42 20-5BC		1	1 unit	102	0.050
			Yellow	A	8WD42 20-5BD		1	1 unit	102	0.050
			Clear	A	8WD42 20-5BE		1	1 unit	102	0.050
			Blue	A	8WD42 20-5BF		1	1 unit	102	0.050
		115 AC	Red	A	8WD42 40-5BB		1	1 unit	102	0.055
			Green	A	8WD42 40-5BC		1	1 unit	102	0.055
			Yellow	A	8WD42 40-5BD		1	1 unit	102	0.055
			Clear	D	8WD42 40-5BE		1	1 unit	102	0.055
			Blue	D	8WD42 40-5BF		1	1 unit	102	0.055
		230 AC	Red	A	8WD42 50-5BB		1	1 unit	102	0.055
			Green	A	8WD42 50-5BC		1	1 unit	102	0.055
			Yellow	A	8WD42 50-5BD		1	1 unit	102	0.055
			Clear	A	8WD42 50-5BE		1	1 unit	102	0.055
			Blue	A	8WD42 50-5BF		1	1 unit	102	0.055
Adapter elements for AS-Interface										
	AS-Interface adapter elements with external auxiliary voltage	For 4 signaling elements 24 V DC	Black	A	8WD42 28-0BB		1	1 unit	102	0.075
										
Connection elements³⁾										
	Connection elements with cover		Black	A	8WD42 08-0AA		1	1 unit	102	0.085
For mounting on pipes, floors and angles										

¹⁾ 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 connection element with cover is an essential part for assembling the signaling columns.

Note:

For mounting and configuring help see the publication "Versatile, robust, communication-capable: SIRIUS signaling columns and integrated signal lamps", Order No. E20001-A670-P305.

8WD4 Signaling Columns

8WD42 signaling columns, 50 mm diameter

Version	Rated voltage	Color	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
V									
Lamps									
	Incandescent lamps, 5 W								
	Base BA 15d	24 AC/DC	A	8WD43 28-1XX		1 10 units	102	0.010	
		115 AC	A	8WD43 48-1XX		1 10 units	102	0.010	
		230 AC	A	8WD43 58-1XX		1 10 units	102	0.010	
	LEDs								
	Base BA 15d	24 AC/DC	Red	A 8WD44 28-6XB		1 1 unit	102	0.020	
			Green	A 8WD44 28-6XC		1 1 unit	102	0.020	
			Yellow	A 8WD44 28-6XD		1 1 unit	102	0.020	
			Clear	A 8WD44 28-6XE		1 1 unit	102	0.020	
			Blue	A 8WD44 28-6XF		1 1 unit	102	0.020	
		115 AC	Red	A 8WD44 48-6XB		1 1 unit	102	0.020	
			Green	A 8WD44 48-6XC		1 1 unit	102	0.020	
			Yellow	A 8WD44 48-6XD		1 1 unit	102	0.020	
			Clear	A 8WD44 48-6XE		1 1 unit	102	0.020	
			Blue	A 8WD44 48-6XF		1 1 unit	102	0.020	
		230 AC	Red	A 8WD44 58-6XB		1 1 unit	102	0.020	
			Green	A 8WD44 58-6XC		1 1 unit	102	0.020	
			Yellow	A 8WD44 58-6XD		1 1 unit	102	0.020	
			Clear	A 8WD44 58-6XE		1 1 unit	102	0.020	
			Blue	A 8WD44 58-6XF		1 1 unit	102	0.020	
Mounting									
	Feet, single	Plastic, for mounting on pipes	A	8WD43 08-0DB		1 1 unit	102	0.050	
		Metal, for pipe lengths > 400 mm	A	8WD43 08-0DC		1 1 unit	102	0.315	
		Plastic, for floor mounting (without pipe)	A	8WD42 08-0DE		1 1 unit	102	0.040	
	Adjustable-angle foot for positioning in 7.5° increments ¹⁾	Plastic, for mounting on pipes, including rubber seal	X	8WD44 08-0DF		1 1 unit	102	0.050	
	Pipes, single	Length 100 mm	A	8WD42 08-0EF		1 1 unit	102	0.030	
		Length 150 mm	A	8WD43 08-0EE		1 1 unit	102	0.045	
		Length 250 mm	A	8WD43 08-0EA		1 1 unit	102	0.080	
		Length 400 mm	A	8WD43 08-0EB		1 1 unit	102	0.120	
		Length 1000 mm	A	8WD43 08-0ED		1 1 unit	102	0.300	
	Sockets for feet	Side cable outlet	A	8WD43 08-0DD		1 1 unit	102	0.070	
		Side cable outlet, with magnetic fixing ²⁾	A	8WD43 08-0DE		1 1 unit	102	0.300	
	Brackets for mounting with foot		A	8WD44 08-0CC		1 1 unit	102	0.070	
	Brackets for wall mounting (plastic)	Mounting without feet and pipe	A	8WD42 08-0CD		1 1 unit	102	0.090	
	Adapters for single-hole mounting	Mounting without feet and pipe, with M18 thread and fixing nut	A	8WD42 08-0EH		1 1 unit	102	0.120	

For labeling panels, see 8WD44, page 9/111.

¹⁾ Markings for 30°, 45°, 60° and 90°.

²⁾ For horizontal mounting, only 1 element is recommended.

* You can order this quantity or a multiple thereof.

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 5 elements can be mounted.

Selection and ordering data

Version	Rated voltage	Color	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
V										
Acoustic elements¹⁾										
	Buzzer elements 85 dB, pulsating or continuous tone, adjustable by means of a wire jumper	24 AC/DC	Black	A	8WD44 20-0FA		1	1 unit	102	0.085
		115 AC		A	8WD44 40-0FA		1	1 unit	102	0.090
		230 AC		A	8WD44 50-0FA		1	1 unit	102	0.090
	Siren elements , multi-tone, 100 dB, 8 tones and volume are adjustable	24 AC/DC	Black	A	8WD44 20-0EA2		1	1 unit	102	0.090
		115 AC		A	8WD44 40-0EA2		1	1 unit	102	0.105
		230 AC		A	8WD44 50-0EA2		1	1 unit	102	0.100
	Siren elements 108 dB, IP40	24 DC	Black	A	8WD44 20-0EA		1	1 unit	102	0.135
	Light elements for incandescent lamps/LEDs, BA 15d bases²⁾									
		Continuous light elements	12 ... 230	Red	A	8WD44 00-1AB		1	1 unit	102
Green				A	8WD44 00-1AC		1	1 unit	102	0.070
Yellow				A	8WD44 00-1AD		1	1 unit	102	0.070
Clear				A	8WD44 00-1AE		1	1 unit	102	0.070
Blue				A	8WD44 00-1AF		1	1 unit	102	0.070
  	Blinklight elements	24 AC/DC	Red	A	8WD44 20-1BB		1	1 unit	102	0.075
			Green	A	8WD44 20-1BC		1	1 unit	102	0.080
			Yellow	A	8WD44 20-1BD		1	1 unit	102	0.075
			Clear	A	8WD44 20-1BE		1	1 unit	102	0.080
			Blue	A	8WD44 20-1BF		1	1 unit	102	0.075
	115 AC		Red	A	8WD44 40-1BB		1	1 unit	102	0.080
			Green	A	8WD44 40-1BC		1	1 unit	102	0.080
			Yellow	A	8WD44 40-1BD		1	1 unit	102	0.080
			Clear	A	8WD44 40-1BE		1	1 unit	102	0.080
			Blue	A	8WD44 40-1BF		1	1 unit	102	0.080
	230 AC		Red	A	8WD44 50-1BB		1	1 unit	102	0.080
			Green	A	8WD44 50-1BC		1	1 unit	102	0.080
			Yellow	A	8WD44 50-1BD		1	1 unit	102	0.080
			Clear	A	8WD44 50-1BE		1	1 unit	102	0.080
			Blue	A	8WD44 50-1BF		1	1 unit	102	0.080
Light elements with integrated flash lamps³⁾										
	Flashlight elements with integrated electronic flash	24 DC	Red	A	8WD44 20-0CB		1	1 unit	102	0.090
			Green	A	8WD44 20-0CC		1	1 unit	102	0.090
			Yellow	A	8WD44 20-0CD		1	1 unit	102	0.090
			Clear	A	8WD44 20-0CE		1	1 unit	102	0.090
			Blue	A	8WD44 20-0CF		1	1 unit	102	0.090
		115 AC	Red	A	8WD44 40-0CB		1	1 unit	102	0.090
			Green	D	8WD44 40-0CC		1	1 unit	102	0.090
			Yellow	A	8WD44 40-0CD		1	1 unit	102	0.090
			Clear	D	8WD44 40-0CE		1	1 unit	102	0.090
			Blue	D	8WD44 40-0CF		1	1 unit	102	0.090
		230 AC	Red	A	8WD44 50-0CB		1	1 unit	102	0.085
			Green	A	8WD44 50-0CC		1	1 unit	102	0.085
			Yellow	A	8WD44 50-0CD		1	1 unit	102	0.085
			Clear	A	8WD44 50-0CE		1	1 unit	102	0.085
			Blue	A	8WD44 50-0CF		1	1 unit	102	0.085








¹⁾ 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	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Light elements with integrated LED										
   	Continuous light elements	24 AC/DC	Red	A	8WD44 20-5AB		1	1 unit	102	0.075
			Green	A	8WD44 20-5AC		1	1 unit	102	0.075
			Yellow	A	8WD44 20-5AD		1	1 unit	102	0.075
			Clear	A	8WD44 20-5AE		1	1 unit	102	0.075
			Blue	A	8WD44 20-5AF		1	1 unit	102	0.070
		115 AC	Red	A	8WD44 40-5AB		1	1 unit	102	0.075
			Green	A	8WD44 40-5AC		1	1 unit	102	0.075
			Yellow	A	8WD44 40-5AD		1	1 unit	102	0.075
			Clear	A	8WD44 40-5AE		1	1 unit	102	0.075
			Blue	A	8WD44 40-5AF		1	1 unit	102	0.075
		230 AC	Red	A	8WD44 50-5AB		1	1 unit	102	0.075
			Green	A	8WD44 50-5AC		1	1 unit	102	0.075
			Yellow	A	8WD44 50-5AD		1	1 unit	102	0.075
			Clear	A	8WD44 50-5AE		1	1 unit	102	0.075
			Blue	A	8WD44 50-5AF		1	1 unit	102	0.075
	Blinklight elements	24 AC/DC	Red	A	8WD44 20-5BB		1	1 unit	102	0.070
			Green	A	8WD44 20-5BC		1	1 unit	102	0.075
			Yellow	A	8WD44 20-5BD		1	1 unit	102	0.075
	Rotating light elements	24 AC/DC	Red	A	8WD44 20-5DB		1	1 unit	102	0.080
			Green	A	8WD44 20-5DC		1	1 unit	102	0.080
			Yellow	A	8WD44 20-5DD		1	1 unit	102	0.085
Adapter elements for AS-Interface										
	AS-Interface adapter elements									
										
	<ul style="list-style-type: none"> A/B technology, with/without external auxiliary voltage, switchable Standard AS-Interface, with external auxiliary voltage 	For 3 signaling elements 24 V DC	Black	A	8WD44 28-0BD		1	1 unit	102	0.110
		For 4 signaling elements 24 V DC	Black	A	8WD44 28-0BE		1	1 unit	102	0.110
Connection elements¹⁾										
	Connection elements with cover		Black							
	Screw terminals									
	<ul style="list-style-type: none"> For mounting on pipes For mounting on bracket and floor 			A	8WD44 08-0AA		1	1 unit	102	0.110
				A	8WD44 08-0AB		1	1 unit	102	0.115
	Spring-type terminals									
<ul style="list-style-type: none"> For mounting on pipes For mounting on bracket and floor 			A	8WD44 08-0AD		1	1 unit	102	0.105	
			A	8WD44 08-0AE		1	1 unit	102	0.105	
Lamps										
	Incandescent lamps, 5 W									
	Base BA 15d	24 AC/DC		A	8WD43 28-1XX		1	10 units	102	0.010
		115 AC		A	8WD43 48-1XX		1	10 units	102	0.010
		230 AC		A	8WD43 58-1XX		1	10 units	102	0.010
	LEDs									
Base BA 15d	24 AC/DC	Red	A	8WD44 28-6XB		1	1 unit	102	0.020	
		Green	A	8WD44 28-6XC		1	1 unit	102	0.020	
		Yellow	A	8WD44 28-6XD		1	1 unit	102	0.020	
		Clear	A	8WD44 28-6XE		1	1 unit	102	0.020	
		Blue	A	8WD44 28-6XF		1	1 unit	102	0.020	
	115 AC	Red	A	8WD44 48-6XB		1	1 unit	102	0.020	
		Green	A	8WD44 48-6XC		1	1 unit	102	0.020	
		Yellow	A	8WD44 48-6XD		1	1 unit	102	0.020	
		Clear	A	8WD44 48-6XE		1	1 unit	102	0.020	
		Blue	A	8WD44 48-6XF		1	1 unit	102	0.020	
	230 AC	Red	A	8WD44 58-6XB		1	1 unit	102	0.020	
		Green	A	8WD44 58-6XC		1	1 unit	102	0.020	
		Yellow	A	8WD44 58-6XD		1	1 unit	102	0.020	
		Clear	A	8WD44 58-6XE		1	1 unit	102	0.020	
		Blue	A	8WD44 58-6XF		1	1 unit	102	0.020	

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.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Mounting								
	Foot with pipe	Pipe length 100 mm	A	8WD43 08-0DA		1	1 unit	102 0.080
	Feet, single	Plastic, for mounting on pipes	A	8WD43 08-0DB		1	1 unit	102 0.050
		Metal, for pipe lengths > 400 mm	A	8WD43 08-0DC		1	1 unit	102 0.315
	Adjustable-angle foot	Plastic, for mounting on pipes, including rubber seal	X	8WD44 08-0DF		1	1 unit	102 0.050
	Pipes, single	Length 100 mm	A	8WD42 08-0EF		1	1 unit	102 0.030
		Length 150 mm	A	8WD43 08-0EE		1	1 unit	102 0.045
		Length 250 mm	A	8WD43 08-0EA		1	1 unit	102 0.080
		Length 400 mm	A	8WD43 08-0EB		1	1 unit	102 0.120
		Length 1000 mm	A	8WD43 08-0ED		1	1 unit	102 0.300
	Sockets for feet	Side cable outlet (can also be used without feet)	A	8WD43 08-0DD		1	1 unit	102 0.070
		Side cable outlet, with magnetic fixing ²⁾	A	8WD43 08-0DE		1	1 unit	102 0.300
	Brackets for wall mounting (mounting without feet and pipe)	For single-sided mounting	A	8WD43 08-0CA		1	1 unit	102 0.090
		For double-sided mounting	A	8WD43 08-0CB		1	1 unit	102 0.085
	Brackets for mounting with foot		A	8WD44 08-0CC		1	1 unit	102 0.070
	Brackets for base mounting	Mounting without feet and pipe	A	8WD44 08-0CD		1	1 unit	102 0.055
	Adapter for mounting on pipes acc. to NPT	Mounting on pipes, Ø 25 mm, with NPT 1/2" thread	A	8WD43 08-0DF		1	1 unit	102 0.080
Inscriptions								
	Labeling panels	With fixing accessories for mounting on pipe Ø 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	102 0.345

1) Markings for 30°, 45°, 60° and 90°.

2) For horizontal mounting, only 1 element is recommended.

Note:
For mounting and configuring help see the publication "Versatile, robust, communication-capable: SIRIUS signaling columns and integrated signal lamps", Order No. E20001-A670-P305.

* You can order this quantity or a multiple thereof.

8WD5 Integrated Signal Lamps

8WD53 integrated signal lamps, 70 mm diameter

Overview



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.

The LED versions of the integrated signal lamps offer a considerably longer endurance than the incandescent lamp versions.

All integrated signal lamps have a high degree of protection IP65 and are made of a material highly resistant to impact.

Mounting

8WD53 integrated signal lamps can be mounted directly 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.

Selection and ordering data

Version	Rated voltage	Color	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Lights for incandescent lamps/LED, BA 15d base										
	Continuous lights¹⁾	24 ... 230	Red	A	8WD53 00-1AB		1	1 unit	102	0,130
			Green	A	8WD53 00-1AC		1	1 unit	102	0,130
			Yellow	A	8WD53 00-1AD		1	1 unit	102	0,130
			Clear	A	8WD53 00-1AE		1	1 unit	102	0,130
			Blue	A	8WD53 00-1AF		1	1 unit	102	0,130
Lights with integrated flash lamp										
	Single-flash lights with integrated electronic flash	24 AC/DC	Red	A	8WD53 20-0CB		1	1 unit	102	0,150
			Green	D	8WD53 20-0CC		1	1 unit	102	0,150
			Yellow	A	8WD53 20-0CD		1	1 unit	102	0,150
			Clear	A	8WD53 20-0CE		1	1 unit	102	0,150
			Blue	A	8WD53 20-0CF		1	1 unit	102	0,150
		115 AC	Red	A	8WD53 40-0CB		1	1 unit	102	0,145
			Green	D	8WD53 40-0CC		1	1 unit	102	0,145
			Yellow	D	8WD53 40-0CD		1	1 unit	102	0,145
			Clear	D	8WD53 40-0CE		1	1 unit	102	0,145
			Blue	D	8WD53 40-0CF		1	1 unit	102	0,145
		230 AC	Red	A	8WD53 50-0CB		1	1 unit	102	0,145
			Green	D	8WD53 50-0CC		1	1 unit	102	0,145
			Yellow	A	8WD53 50-0CD		1	1 unit	102	0,145
			Clear	A	8WD53 50-0CE		1	1 unit	102	0,145
			Blue	D	8WD53 50-0CF		1	1 unit	102	0,145
Lights with integrated LED										
	Continuous lights	24 AC/DC	Red	A	8WD53 20-5AB		1	1 unit	102	0,135
			Green	A	8WD53 20-5AC		1	1 unit	102	0,135
			Yellow	A	8WD53 20-5AD		1	1 unit	102	0,135
	Blinklight lamps	24 AC/DC	Red	A	8WD53 20-5BB		1	1 unit	102	0,135
			Green	D	8WD53 20-5BC		1	1 unit	102	0,135
Yellow			A	8WD53 20-5BD		1	1 unit	102	0,135	
Rotating lights	24 AC/DC	Red	A	8WD53 20-5DB		1	1 unit	102	0,140	
		Green	A	8WD53 20-5DC		1	1 unit	102	0,140	
		Yellow	A	8WD53 20-5DD		1	1 unit	102	0,140	

For incandescent lamps and LEDs, see Signal Lamps.

¹⁾ Lamp not included in scope of supply. Please order separately.

* You can order this quantity or a multiple thereof.