

SIGNUM 3SB3 Pushbutton Units and Indicator Lights

Description

SIGNUM is a new control device program made of plastic and metal for front panel mounting and rear wire connection.

SIGNUM is of modern industrial design with a very flat construction and can be installed rapidly by a single person.

In addition, SIGNUM Metallic is designed for the world market with a high degree of protection according to IP 67 and NEMA 4.

When three contact blocks or one lampholder and two contact blocks are required, an additional holder must be plugged into the operating element. A holder with pressure pieces is required for operating a middle contact block including knobs, safety locks or double push-buttons.

Complete units are offered for the most commonly used applications.

Standards and Specifications

DIN VDE 0660 and IEC 60 947-5-1

Design

SIGNUM devices are available as round and square version.

A combination of membrane keyboards and 3SB3 switches supports the flat appearance. The operating surfaces of the pushbuttons and indicator lights are concave. The lenses of the indicator lights are convex. The flat construction makes cleaning easy.

Inscriptions

Inscriptions are possible by inscribing directly onto the actuator by means of a laser as well as by using labels, backing plates or the inscription system for SIGNUM.

Construction

A command point consists of a front-mounted operating element or lens, a holder for mounting, contact block and/or lamp holder, behind the switch panel.

The holder for the round version can be turned and can therefore be used for switch panel depths of 1 to 4 mm or 3 to 6 mm.

The switch panel depth of 1 to 4 mm can be compensated with the holder for the square version.

Two contact blocks can be snapped on.

Holder

The holder is positioned when delivered, at a switchboard thickness of 1 to 4 mm and is placed in the direction of the arrow on the actuator/indicator, ▲ 1–4 mm ▲ from the back. The fixing screw is located underneath, on the right.

For a switchboard thickness of 3 to 6 mm the holder is reversed and mounted in the direction of the arrow at ▲ 3–6 mm ▲ and the fixing screw is located on the upper right. In this case, the fixing screw must be rotated anti-clockwise to its limit before mounting the holder.

Contact blocks and lamp holders

The contact blocks are fitted with a slow-action contact (1 NO or 1 NC) with double operating contacts. These ensure a high switching reliability even with small voltages and currents of 5 V/1 mA and above. They are suitable for use in electronic systems as well as conventional controls.

The switch contacts of the NC contact are positively driven.

A lampholder for lamps with BA 9s (screw connection) and W2 × 4.6 d (solder connection) are available for the illuminated pushbutton units and indicator lights in addition to the contact blocks.

Contact blocks and lamp holders have terminal designations in accordance with EN 50 013.

Mounting

SIGNUM devices are easily and rapidly connected:

- Actuators or indicator lights are positioned in the opening of the front panel from the front
- Position the holder from the rear
- Tighten the screw on the holder
- Snap on the contact block or the lamp holder directly onto the operating mechanism from the back

Pushbutton unit, plastic, with flat button



Connecting method

Devices for

- Screw connections,
- Cage Clamp terminal connection and
- Solder connections (solder pins 0.8 × 0.8 mm) are available.

The 3SB3 command devices have screw connections in the SIGUT termination system. The open terminals, screws that cannot be lost, funnel-shaped wiring openings and screwdriver fed openings save time when connecting and make it possible that motorized screwdrivers are used.

Pushbutton unit, metal, with flat button



For further information on the AS-Interface refer to Part 1.

SIGNUM is also communications-capable via PROFIBUS-DP.

The connection with cage spring terminal is rapid and the actuators can be mounted flush against each other.

Communications-capable SIGNUM 3SB3 control devices

SIGNUM 3SB3 control devices can be connected to the actuator-sensor interface (AS-Interface) networking system by means of the AS-Interface 4I/4O application module for mounting on printed circuit boards.

With this, four mechanical connecting devices can be scanned or four indicator lights can be controlled.

The illuminated command devices are supplied via the AS-Interface cable.

The following connections to the AS-Interface are possible:

- AS-i user module for printed circuit boards
- AS-i single connection
- AS-i front plate module
- AS-i housing

Housing

Plastic housings with 1, 2, 3, 4 or 6 actuators are available for the round model. Housings with more than 6 actuators can be supplied upon request. They are suitable for the round and square models.

SIGNUM 3SB3 design software

The SIGNUM 3SB3 control devices can be selected and ordered using this software:

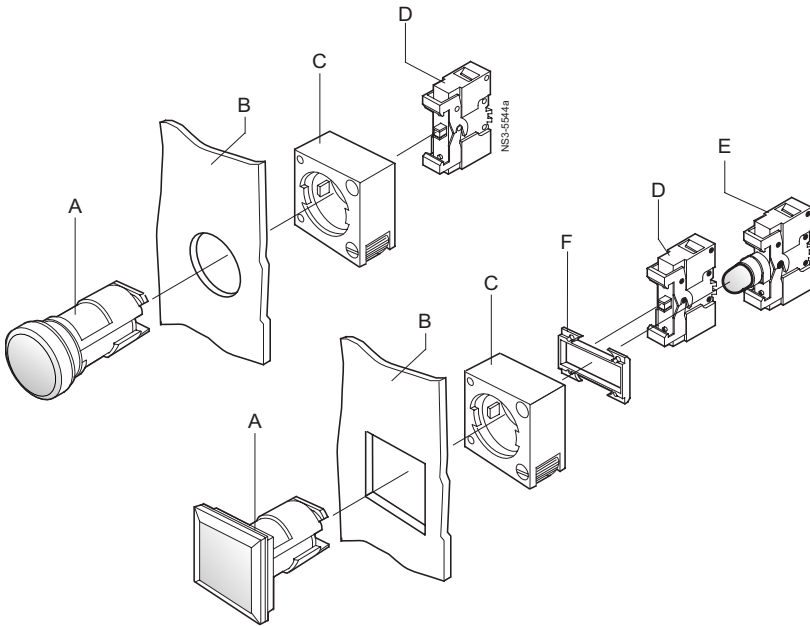
- Supply and ordering of customer-specific casings
- Construction tool for the configuring of control panels with SIGNUM 3SB3 control devices,
- Easy selection of the most varied choice of inscriptions,
- Generation of parts lists, supply plans and drill templates,
- Generation of finished order.

SIGNUM 3SB3 Pushbutton Units and Indicator Lights

Mounting

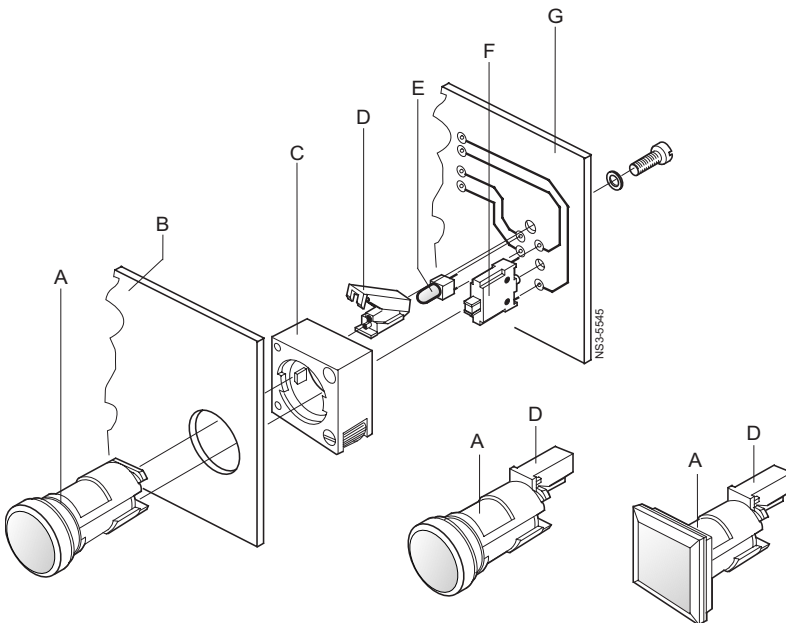
Front plate mounting

- A Actuator
- B Front plate
- C Holder
- D Contact block
- E Lampholder
- F Mounting element



Used on printed-circuit-boards

- A Actuator
- B Front plate
- C Holder
- D Holder for printed-circuit-board
- E Lampholder
- F Contact block
- G Printed-circuit-board



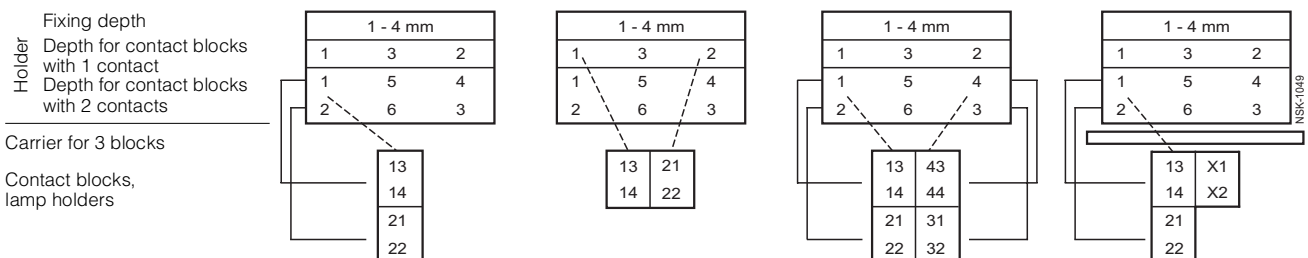
Contact configuration

For one contact block with 2 contacts, e. g. 1 NO + 1 NC

For 2 contact blocks each with 1 contact, e. g. 1 NO, 1 NC

For 2 contact blocks each with 2 contacts, e. g. 1 NO + 1 NC, 1 NO + 1 NC

For one contact block with 2 contacts, e. g. 1 NO + 1 NC and one lampholder



SIGNUM 3SB3 Pushbutton Units and Indicator Lights



Technical data according to
DIN VDE 0660, IEC 60 947-5-1 and EN 418

Rated insulation voltage U_i • Screw connection • Solder connection	400 V 250 V																																																								
Pollution degree	Class 3 according to DIN VDE 0110																																																								
Conventional free-air thermal current I_{th}	10 A																																																								
Rated operational voltage U_e and the related rated operational current I_e	<table border="1"> <thead> <tr> <th colspan="4">AC 50 to 60 Hz</th> <th colspan="3">DC</th> </tr> <tr> <th>U_e</th> <th>$I_e/AC-12$</th> <th colspan="2">$I_e/AC-15$</th> <th>U_e</th> <th>$I_e/DC-12$</th> <th>$I_e/DC-13$</th> </tr> <tr> <th>Screw/solder connection V</th> <th>A</th> <th>Screw connection A</th> <th>Solder connection A</th> <th>V</th> <th>Screw/solder connection A</th> <th>Screw/solder connection A</th> </tr> </thead> <tbody> <tr> <td>24</td> <td>10</td> <td>6</td> <td>4</td> <td>24</td> <td>10</td> <td>3</td> </tr> <tr> <td>48</td> <td>10</td> <td>6</td> <td>4</td> <td>48</td> <td>5</td> <td>1.5</td> </tr> <tr> <td>110</td> <td>10</td> <td>6</td> <td>4</td> <td>110</td> <td>2.5</td> <td>0.7</td> </tr> <tr> <td>230</td> <td>10</td> <td>6</td> <td>4</td> <td>230</td> <td>1</td> <td>0.3</td> </tr> <tr> <td>400</td> <td>10</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	AC 50 to 60 Hz				DC			U_e	$I_e/AC-12$	$I_e/AC-15$		U_e	$I_e/DC-12$	$I_e/DC-13$	Screw/solder connection V	A	Screw connection A	Solder connection A	V	Screw/solder connection A	Screw/solder connection A	24	10	6	4	24	10	3	48	10	6	4	48	5	1.5	110	10	6	4	110	2.5	0.7	230	10	6	4	230	1	0.3	400	10	3				
AC 50 to 60 Hz				DC																																																					
U_e	$I_e/AC-12$	$I_e/AC-15$		U_e	$I_e/DC-12$	$I_e/DC-13$																																																			
Screw/solder connection V	A	Screw connection A	Solder connection A	V	Screw/solder connection A	Screw/solder connection A																																																			
24	10	6	4	24	10	3																																																			
48	10	6	4	48	5	1.5																																																			
110	10	6	4	110	2.5	0.7																																																			
230	10	6	4	230	1	0.3																																																			
400	10	3																																																							
Ⓢ-, and Ⓢ data Rated voltage • Switching element • Indicator light	AC 300 V AC 125 V; 2.5 W; BA 9s AC 60 V; 1 W; Wedge-Base W2 × 4.6 d																																																								
Continuous current Switching capacity	10 A A 300; R 300; A 600 same polarity																																																								
Contact stability Test voltage/test current	5 V/1 mA																																																								
Short-circuit protection (without any welding according to DIN VDE 0660, Part 200) • DIAZED fuse links, utilization category gL/gG • Miniature circuit-breaker with C Characteristic to DIN VDE 0641	10 A TDz, 16 A Dz 10 A																																																								
Mechanical endurance • Pushbutton units and contact blocks • Actuators, rotary or latching • Illuminated pushbutton units	10 × 10 ⁶ operating cycles 3 × 10 ⁵ operating cycles 3 × 10 ⁶ operating cycles																																																								
Electrical endurance • with AC-15 duty with 3TF3, 3TF40 to 3TF43 contactors • with duty DC-12 or DC-13	10 × 10 ⁶ operating cycles The endurance life of the contacts is not only dependent on the breaking current but also on the voltage, the inductivity of the current circuit and the switching speed. General information data is not possible.																																																								
Operating frequency	1000 operating cycles per hour																																																								
Climatic stress	Climate-proof; suitable for use on board ship																																																								
Ambient temperature	-25 to +60 °C																																																								
Degree of protection acc to IEC 60 529, DIN VDE 0470	IP 20 switching elements (connections) and lamp holders (connections and switching compartments) behind the front panel IP 40 switching compartments of the switching elements behind the front panel IP 66 actuator, plastic indicator in housing, with protective cap IP 67 IP 67, NEMA Type 4 actuator, metal indicator																																																								
Lampholder • Screw connections • Solder connections	for lamps with BA 9s base; glow, incandescent and LED lamps for lamps with Wedge-Base W2 × 4.6 d; incandescent and LED lamps																																																								
Conductor sizes • Screw terminals: finely stranded with end sleeves solid solid with end sleeves acc. to DIN 46 228 • Solder connection	2 × 0.5 to 1.5 mm ² 2 × 1 to 2.5 mm ² 2 × 0.5 to 0.75 mm ² Solder pins 0.8 × 0.8 mm																																																								
Tightening torque of the screw of the holder Tightening torque of the terminal screws	max. 1 Nm 1 to 1.2 Nm																																																								
Terminal designation Device designation	in acc. to EN 50 013: Sequence number on the holder. Function number on the contact block using snap-on label																																																								
Safety measures for SIGNUM, plastic	Safety requirements are met automatically when the actuators and lens assemblies are mounted on metal front plates and housings. When mounted in insulated housings, the "protective insulation" safety requirements are met.																																																								
Touch protection (screw connection)	Finger-proof acc. to VBG 4 and DIN VDE 0106																																																								
Shock resistance according to IEC 60 068, Part 2-27 Shock duration Shock form	≤ 50 g devices without incandescent lamps ≤ 30 g devices with incandescent lamps 11 ms Sine half-wave																																																								

SIGNUM 3SB3 Pushbutton Units and Indicator Lights

○ Round Program, 22 mm

Complete units
Selection and ordering data









Version	Colour of actuator Knob/ Lock No.	Contacts for front-plate mounting Version	Order No. ▶ Preferred type	Price 1 unit	Weight approx.		Pack. Units					
					kg							
Pushbutton unit with flat button 	Pushbutton units with flat button	black	1 NO	▶ 3SB32 02-0AA11		0.031	1					
		black	1 NC	▶ 3SB32 03-0AA11								
		red	1 NC	▶ 3SB32 03-0AA21								
		yellow	1 NO	▶ 3SB32 02-0AA31								
		green	1 NO	▶ 3SB32 02-0AA41								
		blue	1 NO	▶ 3SB32 02-0AA51								
		white	1 NO	▶ 3SB32 02-0AA61								
		black	1NO + 1 NC	▶ 3SB32 01-0AA11								
		red	1NO + 1 NC	▶ 3SB32 01-0AA21								
		yellow	1NO + 1 NC	▶ 3SB32 01-0AA31								
		green	1NO + 1 NC	▶ 3SB32 01-0AA41								
		blue	1NO + 1 NC	▶ 3SB32 01-0AA51								
		white	1NO + 1 NC	▶ 3SB32 01-0AA61								
		Illuminated pushbutton unit with flat button 	Illuminated pushbutton units with flat button	with BA 9s lamp holder						0.043	1	
red ¹⁾	1 NC			▶ 3SB32 07-0AA21								
yellow ¹⁾	1 NO			▶ 3SB32 06-0AA31								
green ¹⁾	1 NO			▶ 3SB32 06-0AA41								
blue ¹⁾	1 NO			▶ 3SB32 06-0AA51								
white	1 NO			▶ 3SB32 06-0AA61								
clear ¹⁾	1 NO			▶ 3SB32 06-0AA71								
red ¹⁾	1 NO + 1 NC			▶ 3SB32 05-0AA21								
yellow ¹⁾	1 NO + 1 NC			▶ 3SB32 05-0AA31								
green ¹⁾	1 NO + 1 NC			▶ 3SB32 05-0AA41								
blue ¹⁾	1 NO + 1 NC			▶ 3SB32 05-0AA51								
white	1 NO + 1 NC			▶ 3SB32 05-0AA61								
clear ¹⁾	1 NO + 1 NC			▶ 3SB32 05-0AA71								
Operational voltage 24 V AC/DC with BA 9s lamp holder and 24 V incandescent lamp (3SX1 344)				red ¹⁾	1 NC	▶ 3SB32 18-0AA21		0.048				1
	yellow ¹⁾			1 NO	▶ 3SB32 20-0AA31							
	green ¹⁾			1 NO	▶ 3SB32 20-0AA41							
	blue ¹⁾			1 NO	▶ 3SB32 20-0AA51							
	white			1 NO	▶ 3SB32 20-0AA61							
	clear ¹⁾			1 NO	▶ 3SB32 20-0AA71							
	red ¹⁾			1 NO + 1 NC	▶ 3SB32 21-0AA21							
	yellow ¹⁾			1 NO + 1 NC	▶ 3SB32 21-0AA31							
	green ¹⁾			1 NO + 1 NC	▶ 3SB32 21-0AA41							
	blue ¹⁾			1 NO + 1 NC	▶ 3SB32 21-0AA51							
	white			1 NO + 1 NC	▶ 3SB32 21-0AA61							
	clear ¹⁾	1 NO + 1 NC	▶ 3SB32 21-0AA71									
Operational voltage 220/230 V AC with BA 9s lamp holder, integrated voltage reducer and 130 V incandescent lamp (3SX1 731)		red ¹⁾	1 NC	▶ 3SB32 16-0AA21		0.058			1			
	yellow ¹⁾	1 NO	▶ 3SB32 14-0AA31									
	green ¹⁾	1 NO	▶ 3SB32 14-0AA41									
	blue ¹⁾	1 NO	▶ 3SB32 14-0AA51									
	white	1 NO	▶ 3SB32 14-0AA61									
	clear ¹⁾	1 NO	▶ 3SB32 14-0AA71									
	red ¹⁾	1 NO + 1 NC	▶ 3SB32 13-0AA21									
	yellow ¹⁾	1 NO + 1 NC	▶ 3SB32 13-0AA31									
	green ¹⁾	1 NO + 1 NC	▶ 3SB32 13-0AA41									
	blue ¹⁾	1 NO + 1 NC	▶ 3SB32 13-0AA51									
	white	1 NO + 1 NC	▶ 3SB32 13-0AA61									
	clear ¹⁾	1 NO + 1 NC	▶ 3SB32 13-0AA71									
Mushroom-shaped push-pull button unit, Ø 40 mm, latching, unlatching by pulling	red	1 NC	▶ 3SB32 03-1CA21				0.036	1				
		1NO + 1 NC	▶ 3SB32 01-1CA21							0.045		

1) Inscription by inserting a label is possible.

SIGNUM 3SB3 Pushbutton Units and Indicator Lights

○ Round Program, 22 mm

Complete units Selection and ordering data

	Version	Type	Colour of actuator or screw lens Lock No.	Contacts for front-plate mounting version	Order No.	Price	Weight approx.	Pack.
					Preferred type	1 unit	kg	Units
 <p>Knob, 2 positions switching sequence O-I, maintained-contact type, 50° operating angle</p> 			black	1 NO 1NO + 1 NC	▶ 3SB32 02-2KA11 ▶ 3SB32 01-2KA11		0.033 0.042	1
			black	1 NO, 1 NO 1NO+ 1 NC, 1NO + 1 NC	▶ 3SB32 10-2DA11 ▶ 3SB32 08-2DA11		0.043 0.061	1
 <p>RONIS safety lock</p>  <p>momentary-contact type</p> 				1 NO, 1 NO 1NO+ 1 NC, 1NO + 1 NC	▶ 3SB32 10-2EA11 ▶ 3SB32 08-2EA11		0.043 0.061	1
		RONIS SB 30		1 NO 1NO + 1 NC	▶ 3SB32 02-4AD11 ▶ 3SB32 01-4AD11		0.085 0.095	1
 <p>Indicator lights with BA 9s lamp holder</p>			red yellow green blue white clear		▶ 3SB32 04-6AA20 ▶ 3SB32 04-6AA30 ▶ 3SB32 04-6AA40 ▶ 3SB32 04-6AA50 ▶ 3SB32 04-6AA60 ▶ 3SB32 04-6AA70		0.031	1
			red yellow green blue white clear		▶ 3SB32 17-6AA20 ▶ 3SB32 17-6AA30 ▶ 3SB32 17-6AA40 ▶ 3SB32 17-6AA50 ▶ 3SB32 17-6AA60 ▶ 3SB32 17-6AA70		0.036	1
 <p>Audible signal device Operational voltage AC 220/230 V with BA 9s lamp holder, integrated voltage reducer and 130 V incandescent lamp (3SX1 731)</p>			red yellow green blue white clear		▶ 3SB32 12-6AA20 ▶ 3SB32 12-6AA30 ▶ 3SB32 12-6AA40 ▶ 3SB32 12-6AA50 ▶ 3SB32 12-6AA60 ▶ 3SB32 12-6AA70		0.013	1
			–	Operational voltage UC 24 V UC 115 V UC 230 V	▶ 3SB32 33-7BA10 ▶ 3SB32 34-7BA10 ▶ 3SB32 35-7BA10		0.033	1
<p>EMERGENCY-STOP command devices with yellow backing plate, 80 mm dia., with inscription, can also be used with 3TK28 contactor safety combinations (see Part 8)</p>								
 <p>EMERGENCY-STOP mushroom-shaped pushbutton</p>			red	1 NC 1 NO + 1 NC	▶ 3SB32 03-1HA20 ▶ 3SB32 01-1HA20		0.036 0.045	1
					▶ 3SB32 03-1HA20 ▶ 3SB32 01-1HA20			










→ Safety function acc. to IEC 60 947-5-1-3 and DIN VDE 0660, Part 200.

1) Not suitable for use with 3SB38 enclosures.

SIGNUM 3SB3 Pushbutton Units and Indicator Lights

○ Round Program, 22 mm

Pushbuttons and switches
Selection and ordering data

Version	Colour of actuator	Order No.	Price	Weight approx.	Pack.																								
		▶ Preferred type	1 unit	kg	Units																								
<i>including holder¹⁾</i>																													
 Pushbutton unit with flat button	Pushbutton units with flat button black red yellow green blue white, clear ²⁾ green red white black	▶ 3SB30 00-0AA11 ▶ 3SB30 00-0AA21 ▶ 3SB30 00-0AA31 ▶ 3SB30 00-0AA41 ▶ 3SB30 00-0AA51 ▶ 3SB30 00-0AA61 ▶ 3SB30 00-0AA71 ▶ 3SB30 00-0AA81 ▶ 3SB30 00-0AB01 ▶ 3SB30 00-0AB11 ▶ 3SB30 00-0AB21		0.021	5																								
						 Pushbutton unit with raised button	Pushbutton units with raised button black red yellow blue white	▶ 3SB30 00-0BA11 ▶ 3SB30 00-0BA21 ▶ 3SB30 00-0BA31 ▶ 3SB30 00-0BA51 ▶ 3SB30 00-0BA61		0.021	5																		
												 Pushbutton unit with raised button, latching latched by pressing and then turning to the right; unlatching by turning to the left	black red	▶ 3SB30 00-0CA11 ▶ 3SB30 00-0CA21		0.026	5												
																		 Pushbutton unit with raised front ring (Height 13 mm)	black red yellow green blue white	▶ 3SB30 00-0AA12 ▶ 3SB30 00-0AA22 ▶ 3SB30 00-0AA32 ▶ 3SB30 00-0AA42 ▶ 3SB30 00-0AA52 ▶ 3SB30 00-0AA62		0.022	5						
												 Pushbutton units with raised front ring with castellations (Height 13 mm)	black red yellow green	3SB30 00-0AA13 3SB30 00-0AA23 3SB30 00-0AA33 3SB30 00-0AA43		0.022	5												
																								 Pushbutton unit with raised front ring (castell.)	Illuminated pushbutton units with flat button including holder for 3 elements red ²⁾ yellow ²⁾ green ²⁾ blue ²⁾ white clear ²⁾	▶ 3SB30 01-0AA21 ▶ 3SB30 01-0AA31 ▶ 3SB30 01-0AA41 ▶ 3SB30 01-0AA51 ▶ 3SB30 01-0AA61 ▶ 3SB30 01-0AA71		0.021	5
						 Pushbutton unit with raised front ring (castell.)	Illuminated pushbutton units with raised button including holder for 3 elements red yellow green blue clear	▶ 3SB30 01-0BA21 ▶ 3SB30 01-0BA31 ▶ 3SB30 01-0BA41 ▶ 3SB30 01-0BA51 ▶ 3SB30 01-0BA71		0.021	5																		
												 Illuminated pushbutton unit	Pushbutton units, maintained contact type, with flat button unlatching by pressing again black red yellow green blue white	▶ 3SB30 00-0DA11 ▶ 3SB30 00-0DA21 ▶ 3SB30 00-0DA31 ▶ 3SB30 00-0DA41 ▶ 3SB30 00-0DA51 ▶ 3SB30 00-0DA61		0.019	5												
																		 Illuminated pushbutton unit with raised button	Illuminated pushbutton units, maintained contact type, with flat button including holder for 3 elements unlatching by pressing again red ²⁾ yellow ²⁾ green ²⁾ blue ²⁾ white ²⁾ clear ²⁾	3SB30 01-0DA21 3SB30 01-0DA31 3SB30 01-0DA41 3SB30 01-0DA51 3SB30 01-0DA61 3SB30 01-0DA71		0.019	5						







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

2) Inscription by inserting a label is possible.

SIGNUM 3SB3 Pushbutton Units and Indicator Lights

○ Round Program, 22 mm

Pushbutton units and switches Selection and ordering data

	Version	Colour of actuator	Order No.	Price	Weight approx.	Pack.
			Preferred type	1 unit	kg	Units
 Mushroom-shaped pushbutton units, Ø 30 mm.	<i>including holder¹⁾</i>					
	Mushroom-shaped pushbutton units, Ø 30 mm	black red yellow green	▶ 3SB30 00–1DA11 ▶ 3SB30 00–1DA21 3SB30 00–1DA31 3SB30 00–1DA41		0.026	5
 Mushroom-shaped pushbutton units, Ø 40 mm.	Mushroom-shaped pushbutton units, Ø 40 mm	black red yellow green	▶ 3SB30 00–1GA11 ▶ 3SB30 00–1GA21 ▶ 3SB30 00–1GA31 ▶ 3SB30 00–1GA41		0.026	5
	Illuminated mushroom-shaped pushbutton units, Ø 30 mm with holder for 3 elements	yellow green white	3SB30 01–1DA31 3SB30 01–1DA41 3SB30 01–1DA61		0.026	5
 Illuminated mushroom-shaped pushbutton units, Ø 30 mm.	Illuminated mushroom-shaped pushbutton units, Ø 40 mm with holder for 3 elements	yellow green white	▶ 3SB30 01–1GA31 3SB30 01–1GA41 3SB30 01–1GA61		0.026	5
	 Illuminated mushroom-shaped pushbutton units, Ø 40 mm	Push-pull button unit, Ø 30 mm, latching unlatching by pulling	black red ²⁾	3SB30 00–1EA11 3SB30 00–1EA21		0.027
 Push-pull-button unit Ø 30 mm		Push-pull button unit, Ø 40 mm, latching unlatching by pulling	black red ²⁾	▶ 3SB30 00–1CA11 ▶ 3SB30 00–1CA21		0.027
	 Push-pull-button unit Ø 40 mm	Push-pull button unit, Ø 30 mm, latching, can be illuminated with holder for 3 elements, unlatching by pulling	red yellow green blue clear	3SB30 01–1EA21 3SB30 01–1EA31 3SB30 01–1EA41 3SB30 01–1EA51 3SB30 01–1EA71		0.027
Push-pull button unit, Ø 40 mm latching, can be illuminated with holder for 3 elements, unlatching by pulling		red yellow green blue clear	▶ 3SB30 01–1CA21 3SB30 01–1CA31 3SB30 01–1CA41 3SB30 01–1CA51 3SB30 01–1CA71		0.027	5









1) Also available without holder. When ordering add “-Z” to the Order No. and indicate order code “B01”.

2) Maximum components provided: 3 single pole or 2 dual pole switching elements. When using with 3SB39 01–0AB holder, the middle actuator must be engaged.

SIGNUM 3SB3 Pushbutton Units and Indicator Lights

○ Round Program, 22 mm

Knobs Selection and ordering data

Version	Colour of actuator	Order No.	Price	Weight approx.	Pack.
		▶ Preferred type	1 unit	kg	Units
 <p>Knob</p>	including holder¹⁾				
	Knobs with 2 switching positions				
 <p>Illuminated knob</p>	 <p>Switching sequence O-I, maintained-contact type, 50° operating angle</p>	unilluminated black red green white	▶ 3SB30 00-2KA11 3SB30 00-2KA21 3SB30 00-2KA41 3SB30 00-2KA61	0.023	5
	illuminated with holder for 3 elements	red yellow green blue clear	▶ 3SB30 01-2KA21 ▶ 3SB30 01-2KA31 ▶ 3SB30 01-2KA41 ▶ 3SB30 01-2KA51 ▶ 3SB30 01-2KA71	0.023	5
	 <p>Switching sequence O-I, momentary-contact type, (return from the right), 50° operating angle</p>	unilluminated black red green white	▶ 3SB30 00-2LA11 3SB30 00-2LA21 3SB30 00-2LA41 3SB30 00-2LA61	0.023	5
	illuminated with holder for 3 elements	red yellow green blue clear	▶ 3SB30 01-2LA21 ▶ 3SB30 01-2LA31 ▶ 3SB30 01-2LA41 ▶ 3SB30 01-2LA51 ▶ 3SB30 01-2LA71	0.023	5
Knobs with 3 switching positions					
	 <p>Switching sequence I-O-II, maintained-contact type, 2 x 50° operating angle</p>	unilluminated black red green white	▶ 3SB30 00-2DA11 3SB30 00-2DA21 ▶ 3SB30 00-2DA41 3SB30 00-2DA61	0,023	5
	illuminated with holder for 3 elements	red yellow green blue clear	▶ 3SB30 01-2DA21 ▶ 3SB30 01-2DA31 ▶ 3SB30 01-2DA41 ▶ 3SB30 01-2DA51 ▶ 3SB30 01-2DA71	0.023	5
	 <p>Switching sequence I-O-II, momentary-contact type, (return from right and left), 2 x 50° operating angle</p>	unilluminated black red green white	▶ 3SB30 00-2EA11 3SB30 00-2EA21 3SB30 00-2EA41 3SB30 00-2EA61	0.023	5
	illuminated with holder for 3 elements	red yellow green blue clear	▶ 3SB30 01-2EA21 ▶ 3SB30 01-2EA31 ▶ 3SB30 01-2EA41 ▶ 3SB30 01-2EA51 ▶ 3SB30 01-2EA71	0.023	5
	 <p>Switching sequence I-O-II, maintained-contact type to the right, momentary-contact type to the left (return from the left), 2 x 50° operating angle</p>	unilluminated²⁾ black red green white	▶ 3SB30 00-2GA11 3SB30 00-2GA21 3SB30 00-2GA41 3SB30 00-2GA61	0.023	5
	 <p>Switching sequence I-O-II, maintained-contact type to the left, maintained contact type to the right (return from the right), 2 x 50° operating angle</p>	unilluminated²⁾ black red green white	▶ 3SB30 00-2FA11 3SB30 00-2FA21 3SB30 00-2FA41 3SB30 00-2FA61	0.023	5






1) Also available without holder. When ordering add “-Z” to the Order No. and indicate order code “B01”.

2) Also available as illuminated knob. When ordering add “-Z” to the Order No. and indicate “illuminated knob” and the colour in plain text.

SIGNUM 3SB3 Pushbutton Units and Indicator Lights

○ Round Program, 22 mm

Safety locks Selection and ordering data

Version	Type	Lock No./ Colour	Key with-drawable at position	Order No. ▶ Preferred type	Price 1 unit	Weight approx. kg	Packing Units
<i>including holder¹⁾</i>							
Safety locks with 2 keys, 2 positions							
RONIS safety lock 	○ 	Switching sequence O-I, maintained-contact type, 50° operating angle	RONIS SB 30 flat	O+I O I	▶ 3SB30 00-4AD11 ▶ 3SB30 00-4AD01 ▶ 3SB30 00-4AD21	0.075	1
			CES SSG 10	O+I O I	▶ 3SB30 00-4LD11 ▶ 3SB30 00-4LD01 ▶ 3SB30 00-4LD21	0.126	1
			LSG 10	O+I O	▶ 3SB30 00-4LF01 ▶ 3SB30 00-4LF11		
CES safety lock 	○ 	Switching sequence O-I, momentary-contact type, (return from right) 50° operating angle	IKON 360012K1	O+I O	▶ 3SB30 00-5LD11 ▶ 3SB30 00-5LD01	0.131	1
			BKS S1	O+I O I	▶ 3SB30 00-5AD11 ▶ 3SB30 00-5AD01 ▶ 3SB30 00-5AD21	0.126	1
			E1 for VW ²⁾	O+I O	▶ 3SB30 00-5AE01 ▶ 3SB30 00-5AE11		
			E2 for VW ²⁾	O+I O	▶ 3SB30 00-5AE21 ▶ 3SB30 00-5AE31		
			E7 for VW ²⁾	O+I O	▶ 3SB30 00-5AE41 ▶ 3SB30 00-5AE51		
			E9 for VW ²⁾	O+I O	▶ 3SB30 00-5AE61 ▶ 3SB30 00-5AE71		
IKON safety lock 	○ 	Switching sequence O-I, momentary-contact type, (return from right) 50° operating angle	O.M.R. 73038 light blue	O+I O	▶ 3SB30 00-3AG11 ▶ 3SB30 00-3AG01	0.117	1
			73037 red	O+I O I	▶ 3SB30 00-3AH11 ▶ 3SB30 00-3AH01 ▶ 3SB30 00-3AH21		
			73034 black	O+I O	▶ 3SB30 00-3AJ11 ▶ 3SB30 00-3AJ01		
			73033 yellow	O+I O	▶ 3SB30 00-3AK11 ▶ 3SB30 00-3AK01		
			RONIS SB 30 flat	O	▶ 3SB30 00-4BD01	0.075	1
BKS safety lock 	○ 	Switching sequence O-I, momentary-contact type, (return from right) 50° operating angle	CES SSG 10	O	▶ 3SB30 00-4MD01 ▶ 3SB30 00-4MF11	0.126	1
			LSG1	O			
			IKON 360012K1	O	▶ 3SB30 00-5MD01	0.131	1
O.M.R. safety lock 	○ 	Switching sequence O-I, momentary-contact type, (return from right) 50° operating angle	BKS S1	O	▶ 3SB30 00-5BD01	0.126	1
			O.M.R. ³⁾ 73038 light blue	O	▶ 3SB30 00-3BG01	0.117	1
			73037 red	O	▶ 3SB30 00-3BH01		
			73034 black	O	▶ 3SB30 00-3BJ01		
			73033 yellow	O	▶ 3SB30 00-3BK01		

1) Also available without holder. When ordering add “-Z” to the Order No. and indicate order code “B01”.






2) Supplied without the key.

3) In accordance with FIAT car company standards, can also be used by other users.

SIGNUM 3SB3 Pushbutton Units and Indicator Lights

○ Round Program, 22 mm

Safety locks Selection and ordering data

Version	Type	Lock No./ Colour	Key with-drawable at position	Order No.	Price	Weight approx.	Packing
				▶ Preferred type	1 unit	kg	Units
<i>including holder¹⁾</i>							
Safety locks with 2 keys, 3 positions							
RONIS safety lock	RONIS	SB 30 flat	O+I+II O I+II I II O+I	▶ 3SB30 00-4DD11 ▶ 3SB30 00-4DD01 3SB30 00-4DD41 3SB30 00-4DD21 3SB30 00-4DD31 3SB30 00-4DD51		0.075	1
	CES	SSG 10	O+I+II O I+II I II	▶ 3SB30 00-4PD11 ▶ 3SB30 00-4PD01 3SB30 00-4PD41 3SB30 00-4PD21 3SB30 00-4PD31		0.126	1
CES safety lock	IKON	360012 K1	O+I+II	3SB30 00-5PD11		0.131	1
	BKS	S1	O+I+II O II	3SB30 00-5DD11 3SB30 00-5DD01 3SB30 00-5DD31		0.126	1
IKON safety lock	O.M.R. ²⁾	73038 light blue 73037 red 73034 black 73033 yellow	I+O+II O I+O+II O I+O+II O	3SB30 00-3DG11 3SB30 00-3DG01 3SB30 00-3DH11 3SB30 00-3DH01 3SB30 00-3DJ11 3SB30 00-3DJ01 3SB30 00-3DK11 3SB30 00-3DK01		0.117	1
	RONIS	SB 30 flat	O	▶ 3SB30 00-4ED01		0.075	1
	CES	SSG 10	O	▶ 3SB30 00-4QD01		0.126	1
	IKON	350012K1	O	▶ 3SB30 00-5QD01		0.131	1
	BKS	S1	O	3SB30 00-5ED01		0.126	1
BKS safety lock	O.M.R. ²⁾	73038 light blue 73037 red 73034 black 73033 yellow	O O O O	3SB30 00-3EG01 3SB30 00-3EH01 3SB30 00-3EJ01 3SB30 00-3EK01		0.117	1
	O.M.R. safety lock						
							









1) Also available without holder. When ordering add “-Z” to the Order No. and indicate order code “B01”.

2) In accordance with FIAT car company standards, can also be used by other users.

SIGNUM 3SB3 Pushbutton Units and Indicator Lights

○ Round Program, 22 mm

Safety locks Selection and ordering data

Version	Type	Lock No./ Colour	Key with-drawable at position	Order No.	Price 1 unit	Weight approx. kg	Packing Units
<i>including holder¹⁾</i>							
RONIS safety lock 	Safety locks with 2 keys, 3 positions						
	 Switching sequence I-O-II, maintained-contact type to the right, momentary-contact type to the left (return from the left), 2 × 50° operating angle	RONIS SB 30 flat	O+II O II	3SB30 00-4GD61 3SB30 00-4GD01 3SB30 00-4GD31		0.075	1
		CES SSG 10	O+II O II	3SB30 00-4SD61 3SB30 00-4SD01 3SB30 00-4SD31		0.126	1
BKS S1	O	3SB30 00-5GD01		0.126	1		
CES safety lock 	 Switching sequence I-O-II, maintained-contact type to the left, momentary-contact type to the right (return from the right), 2 × 50° operating angle	RONIS SB 30 flat	O+I O I	3SB30 00-4FD51 3SB30 00-4FD01 3SB30 00-4FD21		0.075	1
		CES SSG 10	O+I O I	3SB30 00-4RD51 3SB30 00-4RD01 3SB30 00-4RD21		0.126	1
	IKON 350012 K1	O+I	3SB30 00-5RD51		0.131	1	
IKON safety lock 	 Switching sequence O-I, maintained-contact type to the left, momentary-contact type to the right (return from the right), 2 × 50° operating angle	BKS S1	O+I O I	3SB30 00-5FD51 3SB30 00-5FD01 3SB30 00-5FD21		0.126	1
		O.M.R. 73038 light blue	O	3SB30 00-3FG01		0.117	1
		73034 black	I	3SB30 00-3FG21			
	I	3SB30 00-3FJ21					
BKS safety lock 							
O.M.R. safety lock 							

Type	Available special Lock Nos.
------	-----------------------------

Special locks for actuators with safety locks

a) Additional price for locks with standard lock cylinder Ø 24.5 mm:
When ordering add “-Z” to the Order No., Order Code “Y01” and state the required Lock No.

Special locks for VW will be delivered without keys, all others with 2 keys.

b) No additional price for locks shown in the adjacent table.
When ordering add “-Z” to the Order No., Order Code “Y02” and state the required Lock No.

RONIS SB 31 to SB 49
T 421, T 455, T 458

1) Also available without holder. When ordering add “-Z” to the Order No. and indicate order code “B01”.

SIGNUM 3SB3 Pushbuttons and Indicator Lights





○ Round Program, 22 mm

EMERGENCY-STOP mushroom-shaped pushbutton units

Version	Colour of actuator/ Key withdrawable at position	Order No.	Price	Weight approx.	Pack.
		▶ Preferred type	1 unit	kg	Units
 <p>EMERGENCY-STOP mushroom-shaped pushbutton unit</p>	<p><i>including holder¹⁾</i> Mushroom-shaped pushbutton unit, Ø 40 mm with mechanical latching function acc. to EN 418²⁾ unlatching when turned to the left</p>	 96 4041	▶ 3SB30 00-1HA20	0.044	5
	<p>Mushroom-shaped pushbutton unit, Ø 40 mm with mechanical latching function acc. to EN 418 and RONIS safety lock, flat²⁾ Lock No. SB30, supplied with 2 keys, unlatching only by using the key locking 455</p>	 96 4042	▶ 3SB30 00-1BA20	0.1	1
 <p>EMERGENCY-STOP mushroom-shaped pushbutton unit with safety lock</p>	<p>Mushroom-shaped pushbutton unit, Ø 40 mm with mechanical latching function acc. to EN 418 and CES safety lock²⁾ Lock No. SSG10, supplied with 2 keys, unlatching only by using the key</p>	 96 4042	▶ 3SB30 00-1KA20	0.04	1
	<p>Mushroom-shaped pushbutton unit, Ø 40 mm with mechanical latching function acc. to EN 418 and BKS safety lock²⁾ Lock No. S1, supplied with 2 keys, unlatching only by using the key</p>	 96 4042	3SB30 00-1LA20	0.04	1
	<p>Mushroom-shaped pushbutton unit, Ø 40 mm with mechanical latching function acc. to EN 418 and O.M.R. safety lock²⁾ Lock No. 73037, supplied with 2 keys, unlatching only by using the key</p>	 96 4042	3SB30 00-1MA20	0.04	1

Lens assemblies and audible signal devices

Selection and ordering data

Version	Colour of lens	Order No.	Price	Weight approx.	Packing
		▶ Preferred type	1 unit	kg	Units
 <p>Indicator light</p>	<p><i>including holder¹⁾</i> Indicator lights</p>	 96 4041	▶ 3SB30 01-6AA20 ▶ 3SB30 01-6AA30 ▶ 3SB30 01-6AA40 ▶ 3SB30 01-6AA50 ▶ 3SB30 01-6AA60 ▶ 3SB30 01-6AA70	0.018	5
	<p>Audible signal device, IP 40³⁾ for audible signal transducer DC 24V⁴⁾ with BA 9s holder</p>	 96 4042	▶ 3SB30 00-7AA10	0.018	5
 <p>Audible signal device</p>					


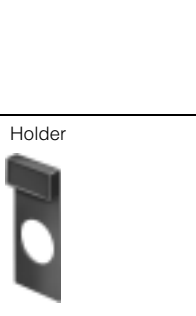
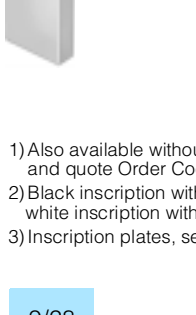
1) Also available without holder. When ordering, add “-Z” to Order No. and indicate Order Code “B01”.
 2) Yellow contrast must be ordered separately, see page 9/53.

3) Audible signal device, IP 65, see page 9/20.
 4) Audible signal transducer must be ordered separately, when using the 3SB34 00-1A lampholder, see page 9/54.



SIGNUM 3SB3 Pushbutton Units and Indicator Lights

○ Round Program, 22 mm

Double pushbuttons Selection and ordering data

	Version	Colour	Order No.	Price	Weight approx.	Pack.
			▶ Preferred type	1 unit	kg	Units
 <p>Double pushbutton with flat buttons</p>	Double pushbuttons , IP 65 with flat buttons ²⁾	green/red inscription I/O	▶ 3SB31 00-8AC21		0.027	5
		white/black inscription I/O	3SB31 00-8AC31			
 <p>Double pushbutton with indicator light, with flat and raised buttons</p>	Double pushbuttons , IP 65 with flat and raised buttons ²⁾	green/red inscription I/O	3SB31 00-8CC21		0.027	5
		white/black inscription I/O	3SB31 00-8CC31			
 <p>Double pushbutton with indicator light, with flat and raised buttons</p>	Double pushbuttons with indicator light , IP 65 with flat buttons ²⁾ incl. holder for 3 elements	green/red inscription I/O	▶ 3SB31 01-8BC21		0.027	5
		white/black inscription I/O	3SB31 01-8BC31			
 <p>Double pushbutton with indicator light, with flat and raised buttons</p>	Double pushbuttons with indicator light , IP 65 with flat and raised buttons ²⁾ incl. holder for 3 elements	green/red inscription I/O	▶ 3SB31 01-8DC21		0.027	5
		white/black inscription I/O	▶ 3SB31 01-8DC31			

Accessories

	Version	Order No.	Price	Packing
			1 unit	Units
 <p>Holder</p>	Holder 30 mm × 70 mm for inscription plate 12.5 mm × 27 mm ³⁾	3SB39 22-0AY		10
 <p>Protective cap</p>	Protective cap, clear , silicone for degree of protection IP 67 can be used for double pushbutton with flat buttons	3SB39 21-0AQ		1

1) Also available without holder. When ordering, add “-Z” to the Order No. and quote Order Code “B01”.



2) Black inscription with green, red and white buttons, white inscription with black buttons.

3) Inscription plates, see pages 9/49 and 9/50.



SIGNUM 3SB3 Pushbutton Units and Indicator Lights

□ Square Program, 26 mm x 26 mm

Complete units
Selection and ordering data

Version	Colour of actuator	Contacts	Order No.	Price	Pack.					
					Weight approx.	Units				
			Preferred type	1 unit	kg	Units				
Pushbutton unit 	Pushbutton units with flat button	black	1 NO	▶ 3SB33 02-0AA11		0.029	1			
		black	1 NC	▶ 3SB33 03-0AA11						
		red	1 NC	▶ 3SB33 03-0AA21						
		yellow	1 NO	▶ 3SB33 02-0AA31						
		green	1 NO	▶ 3SB33 02-0AA41						
		blue	1 NO	▶ 3SB33 02-0AA51						
		white	1 NO	▶ 3SB33 02-0AA61						
		black	1 NO + 1 NC	3SB33 01-0AA11		0.038	1			
		red	1 NO + 1 NC	3SB33 01-0AA21						
		yellow	1 NO + 1 NC	3SB33 01-0AA31						
		green	1 NO + 1 NC	3SB33 01-0AA41						
		blue	1 NO + 1 NC	3SB33 01-0AA51						
		white	1 NO + 1 NC	3SB33 01-0AA61						
		Illuminated pushbutton unit 	Illuminated pushbutton units with flat button with BA 9s lamp holder	red ¹⁾		1 NC	▶ 3SB33 07-0AA21		0.041	1
yellow ¹⁾	1 NO			▶ 3SB33 06-0AA31						
green ¹⁾	1 NO			▶ 3SB33 06-0AA41						
blue ¹⁾	1 NO			▶ 3SB33 06-0AA51						
white	1 NO			▶ 3SB33 06-0AA61						
clear ¹⁾	1 NO			▶ 3SB33 06-0AA71						
red ¹⁾	1 NO + 1 NC			3SB33 05-0AA21	0.050	1				
yellow ¹⁾	1 NO + 1 NC			3SB33 05-0AA31						
green ¹⁾	1 NO + 1 NC			3SB33 05-0AA41						
blue ¹⁾	1 NO + 1 NC			3SB33 05-0AA51						
white	1 NO + 1 NC			3SB33 05-0AA61						
clear ¹⁾	1 NO + 1 NC			3SB33 05-0AA71						
Operational voltage 24 V AC/DC with BA 9s lamp holder and 24 V lamp (3SX1 344)				red ¹⁾	1 NC	▶ 3SB33 18-0AA21			0.046	1
				yellow ¹⁾	1 NO	▶ 3SB33 20-0AA31				
		green ¹⁾	1 NO	▶ 3SB33 20-0AA41						
		blue ¹⁾	1 NO	▶ 3SB33 20-0AA51						
		white	1 NO	▶ 3SB33 20-0AA61						
		clear ¹⁾	1 NO	▶ 3SB33 20-0AA71						
		red ¹⁾	1 NO + 1 NC	3SB33 21-0AA21	0.055	1				
		yellow ¹⁾	1 NO + 1 NC	3SB33 21-0AA31						
		green ¹⁾	1 NO + 1 NC	3SB33 21-0AA41						
		blue ¹⁾	1 NO + 1 NC	3SB33 21-0AA51						
		white	1 NO + 1 NC	3SB33 21-0AA61						
		clear ¹⁾	1 NO + 1 NC	3SB33 21-0AA71						
		Operational voltage 220/230 V AC with BA 9s lamp holder, integrated voltage reducer and 130 V lamp (3SX1 731)		red ¹⁾	1 NC	▶ 3SB33 16-0AA21			0.056	1
				yellow ¹⁾	1 NO	▶ 3SB33 14-0AA31				
green ¹⁾	1 NO			▶ 3SB33 14-0AA41						
blue ¹⁾	1 NO			▶ 3SB33 14-0AA51						
white	1 NO			▶ 3SB33 14-0AA61						
clear ¹⁾	1 NO			▶ 3SB33 14-0AA71						
red ¹⁾	1 NO + 1 NC			3SB33 13-0AA21	0.060	1				
yellow ¹⁾	1 NO + 1 NC			3SB33 13-0AA31						
green ¹⁾	1 NO + 1 NC			3SB33 13-0AA41						
blue ¹⁾	1 NO + 1 NC			3SB33 13-0AA51						
white	1 NO + 1 NC			3SB33 13-0AA61						
clear ¹⁾	1 NO + 1 NC			3SB33 13-0AA71						

EMERGENCY-STOP command devices with yellow backing plate, 80 mm dia., with inscription, can also be used with 3TK28 contactor safety combinations (see Part 8)


EMERGENCY-STOP mushroom-shaped pushbutton unit 	red		1 NC	▶ 3SB33 03-1HA20		0.053	1
			1 NO + 1 NC	3SB33 01-1HA20		0.061	

1) Inscription by inserting a label is possible.



SIGNUM 3SB3 Pushbutton Units and Indicator Lights

□ Square Program, 26 mm x 26 mm

Complete units Selection and ordering data

	Version	Colour of lens	Order No.	Price	Pack.	
					Weight approx.	Units
			▶ Preferred type	1 unit	kg	Units
 Illuminated pushbutton unit	Illuminated pushbutton units with BA 9s lamp holder	red yellow green blue white clear	▶ 3SB33 04-6AA20 ▶ 3SB33 04-6AA30 ▶ 3SB33 04-6AA40 ▶ 3SB33 04-6AA50 ▶ 3SB33 04-6AA60 ▶ 3SB33 04-6AA70		0.03	1
	Operational voltage 24 V AC/DC with BA 9s lamp holder and 24 V lamp (3SX1 344)	red yellow green blue white clear	3SB33 17-6AA20 3SB33 17-6AA30 3SB33 17-6AA40 3SB33 17-6AA50 3SB33 17-6AA60 3SB33 17-6AA70		0.035	1
	Operational voltage 220/230 V AC with BA 9s lamp holder, integrated reducer and 130 V lamp (3SX1 731)	red yellow green blue white clear	3SB33 12-6AA20 3SB33 12-6AA30 3SB33 12-6AA40 3SB33 12-6AA50 3SB33 12-6AA60 3SB33 12-6AA70		0.034	1

Actuators Selection and ordering data

	Version	Colour of actuator	Order No.	Price	Pack.	
					Weight approx.	Units
			▶ Preferred type	1 unit	kg	Units
 Pushbutton unit	<i>including holder¹⁾</i> Pushbutton units with flat button	black red yellow green blue white clear ²⁾	▶ 3SB31 10-0AA11 ▶ 3SB31 10-0AA21 ▶ 3SB31 10-0AA31 ▶ 3SB31 10-0AA41 ▶ 3SB31 10-0AA51 ▶ 3SB31 10-0AA61 ▶ 3SB31 10-0AA71		0.019	5
	Pushbutton units with raised front ring (height 13 mm)	black red white	3SB31 10-0AA12 3SB31 10-0AA22 3SB31 10-0AA62		0.02	5
 Illuminated pushbutton unit	Pushbutton units with raised front ring with castellations (height 13 mm)	black yellow green	3SB31 10-0AA13 3SB31 10-0AA33 3SB31 10-0AA43		0.02	5
	Illuminated pushbutton units with flat button incl. holder for 3 elements	red ²⁾ yellow ²⁾ green ²⁾ blue ²⁾ white clear ²⁾	▶ 3SB31 11-0AA21 ▶ 3SB31 11-0AA31 ▶ 3SB31 11-0AA41 ▶ 3SB31 11-0AA51 ▶ 3SB31 11-0AA61 ▶ 3SB31 11-0AA71		0.019	5











1) Also available without holder. When ordering, add “-Z” to the Order No. and indicate Order Code “B01”.

2) Inscription by inserting a label is possible.

SIGNUM 3SB3 Pushbutton Units and Indicator Lights

□ Square Program, 26 mm x 26 mm

Pushbuttons and knobs Selection and ordering data

Version		Colour of actuator	Order No.	Price	Weight approx.	Pack.
			▶ Preferred type	1 unit	kg	Units
 <p>Pushbutton</p>	including holder¹⁾ Pushbutton units, maintained-contact type, with flat button unlatching by pressing again		black red yellow green blue white	▶ 3SB31 10-0DA11 3SB31 10-0DA21 3SB31 10-0DA31 3SB31 10-0DA41 3SB31 10-0DA51 3SB31 10-0DA61	0.019	5
	Illuminated pushbutton units, maintained-contact type, with flat button incl. holder for 3 elements unlatching by pressing again		red ²⁾ yellow ²⁾ green ²⁾ blue ²⁾ white clear ²⁾	▶ 3SB31 11-0DA21 3SB31 11-0DA31 3SB31 11-0DA41 3SB31 11-0DA51 3SB31 11-0DA61 3SB31 11-0DA71	0.019	5
 <p>Illuminated pushbutton</p>	Knob with 2 switching positions  Switching sequence O-I, maintained-contact type, 50° operating angle		unilluminated black red green white	▶ 3SB31 10-2KA11 3SB31 10-2KA21 3SB31 10-2KA41 3SB31 10-2KA61	0.023	5
			illuminated incl. holder for 3 elements red yellow green blue clear	▶ 3SB31 11-2KA21 ▶ 3SB31 11-2KA31 ▶ 3SB31 11-2KA41 ▶ 3SB31 11-2KA51 ▶ 3SB31 11-2KA71		
 <p>Knob</p>	 Switching sequence O-I, momentary-contact type (return from the right), 50° operating angle		unilluminated black red green white	▶ 3SB31 10-2LA11 3SB31 10-2LA21 3SB31 10-2LA41 3SB31 10-2LA61	0.023	5
			illuminated incl. holder for 3 elements red yellow green blue clear	▶ 3SB31 11-2LA21 ▶ 3SB31 11-2LA31 ▶ 3SB31 11-2LA41 ▶ 3SB31 11-2LA51 ▶ 3SB31 11-2LA71		
 <p>Illuminated knob</p>	 Switching sequence I-O-II, maintained-contact type, 2 x 50° operating angle		unilluminated black red green white	▶ 3SB31 10-2DA11 3SB31 10-2DA21 3SB31 10-2DA41 3SB31 10-2DA61	0.023	5
			illuminated incl. holder for 3 elements red yellow green blue clear	▶ 3SB31 11-2DA21 3SB31 11-2DA31 3SB31 11-2DA41 3SB31 11-2DA51 3SB31 11-2DA71		
		 Switching sequence I-O-II, momentary-contact type (return from right and left), 2 x 50° operating angle	unilluminated black red green white	▶ 3SB31 10-2EA11 3SB31 10-2EA21 3SB31 10-2EA41 3SB31 10-2EA61	0.023	5
			illuminated incl. holder for 3 elements red yellow green blue clear	▶ 3SB31 11-2EA21 3SB31 11-2EA31 3SB31 11-2EA41 3SB31 11-2EA51 3SB31 11-2EA71		
		 Switching sequence I-O-II, maintained contact type to the right, momentary contact type to the left (return from left), 2 x 50° operating angle	unilluminated³⁾ black red green white	▶ 3SB31 10-2GA11 3SB31 10-2GA21 3SB31 10-2GA41 3SB31 10-2GA61	0.023	5
		 Switching sequence I-O-II, maintained contact type to the left, momentary contact type to the right (return from right), 2 x 50° operating angle	unilluminated³⁾ black red green white	▶ 3SB31 10-2FA11 3SB31 10-2FA21 3SB31 10-2FA41 3SB31 10-2FA61		

1) Also available without holder. When ordering, add “-Z” to the Order No. and indicate Order Code “B01”.






2) Inscription by inserting a label is possible.

3) Also available as illuminated knob. When ordering add “-Z” to Order No. and indicate “illuminated knob” and the colour in plain text.

SIGNUM 3SB3 Pushbutton Units and Indicator Lights

□ Square Program, 26 mm x 26 mm

Safety locks Selection and ordering data

Version	Type	Lock No./ colour	Key with- drawable at position	Order No.	Price	Weight approx.	Pack.
				▶ Preferred type	1 unit	kg	Units
<i>including holder¹⁾</i>							
Safety locks with 2 keys, 2 switching positions							
 <p>RONIS safety lock</p>	 <p>Switching sequence O-I, maintained-contact type, 50° operating angle</p>	RONIS SB 30 flat	O+l O I	▶ 3SB31 10-4AD11 ▶ 3SB31 10-4AD01 3SB31 10-4AD21		0.075	1
		CES SSG 10	O+l O I	3SB31 10-4LD11 3SB31 10-4LD01 3SB31 10-4LD21		0.126	1
			LSG 1	O	3SB31 10-4LF01		
	IKON 360012 K1	O		3SB31 10-5LD01		0.131	1
	BKS S1	O+l O		3SB31 10-5AD11 3SB31 10-5AD01		0.126	1
		E1 for VW ²⁾	O+l	3SB31 10-5AE01			
		E2 for VW ²⁾	O	3SB31 10-5AE31			
		E7 for VW ²⁾	O+l O	3SB31 10-5AE41 3SB31 10-5AE51			
		E9 for VW ²⁾	O	3SB31 10-5AE71			
	 <p>CES safety lock</p>	 <p>Switching sequence O-I, momentary-contact type (return from the right), 50° operating angle</p>	O.M.R. ³⁾ 73038 light blue	O+l O	3SB31 10-3AG11 3SB31 10-3AG01		0.117
73037 red			O+l O	3SB31 10-3AH11 3SB31 10-3AH01			
73034 black			O+l O	3SB31 10-3AJ11 3SB31 10-3AJ01			
73033 yellow			O+l O	3SB31 10-3AK11 3SB31 10-3AK01			
RONIS SB 30 flat			O	3SB31 10-4BD01			
 <p>O.M.R. safety lock</p>	CES SSG 10	O	3SB31 10-4MD01		0.126	1	
	IKON 360012 K1	O	3SB31 10-5MD01		0.131	1	
	BKS S1	O	3SB31 10-5BD01		0.126	1	
	O.M.R. ³⁾ 73034 black	O	3SB31 10-3BJ01		0.117	1	

1) Also available without holder. When ordering, add “-Z” to the Order No. and indicate Order Code “B01”.








2) Supplied without the key.

3) In accordance with FIAT car company standards, can also be used by other users.

SIGNUM 3SB3 Pushbutton Units and Indicator Lights

□ Square Program, 26 mm x 26 mm

Safety locks Selection and ordering data

Version	Type	Lock No./ Colour	Key with- drawable at position	Order No.	Price	Weight approx.	Packing
					1 unit	kg	Units
<i>including holder¹⁾</i>							
RONIS safety lock 	Safety locks with 2 keys, 3 switching positions						
		Switching sequence I-O-II, maintained-contact type, 2 x 50° operating angle	RONIS SB 30 flat	I+O+II O I+II	3SB31 10-4DD11 3SB31 10-4DD01 3SB31 10-4DD41		0.075 1
			CES SSG 10	I+O+II O	3SB31 10-4PD11 3SB31 10-4PD01		0.126 1
			O.M.R. ²⁾ 73037 red	O	3SB31 10-3DH01		0.117 1
			73034 black	I+O+II O	3SB31 10-3DJ11 3SB31 10-3DJ01		
			RONIS SB 30 flat	O	3SB31 10-4ED01		0.075 1
CES safety lock 		Switching sequence I-O-II, momentary-contact type (return from the right and left), 2 x 50° operating angle	CES SSG 10	O	3SB31 10-4QD01		0.126 1
			IKON 360012 K1	O	3SB31 10-5QD01		0.131 1
		Switching sequence I-O-II, maintained-contact type to the right, momentary-contact type to the left (return from the left), 2 x 50° operating angle	CES SSG 10	O	3SB31 10-4SD01		0.075 1
O.M.R. safety lock 		Switching sequence I-O-II, maintained-contact type to the left, momentary-contact type to the right (return from the right), 2 x 50° operating angle	RONIS SB 30 flat	O	3SB31 10-4FD01		0.075 1
			CES SSG 10	O+I	3SB31 10-4RD51		0.126 1
			BKS S1	I	3SB31 10-5FD21		0.126 1

Special design for actuator with safety lock

a) Additional price for locks with Ø 24.5 mm lock cylinder.
When ordering, add “-Z”, to the Order No., Order Code **Y01** and state the required Lock No.

Special locks for VW will be delivered without keys, all others with 2 keys.








1) Also available without holder. When ordering, add “-Z” to Order No. and indicate Order Code “**B01**”.

2) In accordance with FIAT car company standards, can also be used by other users.


SIGNUM 3SB3 Pushbutton Units and Indicator Lights

□ Square Program, 26 mm x 26 mm

Safety locks Selection and ordering data

Version	Colour of actuator/ Key withdrawable at position	Order No.	Price	Weight approx.	Packing
		▶ Preferred type	1 unit	kg	Units
<i>including holder¹⁾</i>					
<i>can also be used with 3TK28 contactor safety combinations (see Part 8)</i>					
EMERGENCY-STOP mushroom-shaped pushbutton unit 	Mushroom-shaped pushbutton unit, Ø 40 mm with positive latching function acc. to EN 418²⁾ unlatching when turned to the left	red	 96 4041	▶ 3SB31 10-1HA20	0.044 5
	Mushroom-shaped pushbutton unit, Ø 40 mm with positive latching function acc. to EN 418 and RONIS safety lock, flat²⁾ Lock No. SB30, supplied with 2 keys, unlatching only by using the key	red ON/OFF	 96 4042	3SB31 10-1BA20	0.1 1
EMERGENCY-STOP unit with safety lock 	Mushroom-shaped pushbutton unit, Ø 40 mm with positive latching function acc. to EN 418 and CES safety lock²⁾ Lock No. SSG10, supplied with 2 keys, unlatching only by using the key	red ON/OFF	 96 4042	▶ 3SB31 10-1KA20	0.1 1
	Mushroom-shaped pushbutton unit, Ø 40 mm with positive latching function acc. to EN 418 and BKS safety lock²⁾ Lock No. S1, supplied with 2 keys, unlatching only by using the key	red ON/OFF	 96 4042	3SB31 10-1LA20	0.1 1
	Mushroom-shaped pushbutton unit, Ø 40 mm with positive latching function acc. to EN 418 and O.M.R. safety lock²⁾ Lock No. 73037, supplied with 2 keys, unlatching only by using the key	red ON/OFF	 96 4042	3SB31 10-1MA20	0.1 1

Lens assemblies Selection and ordering data

Version	Colour of lens	Order No.	Price	Weight approx.	Packing
		▶ Preferred type	1 unit	kg	Units
<i>including holder¹⁾</i>					
Indicator light 	Indicator lights	red yellow green blue white clear	▶ 3SB31 11-6AA20 ▶ 3SB31 11-6AA30 ▶ 3SB31 11-6AA40 ▶ 3SB31 11-6AA50 ▶ 3SB31 11-6AA60 ▶ 3SB31 11-6AA70	0.017	5

1) Also available without holder. When ordering, add “-Z” and indicate Order Code “B01”.

2) Yellow contrast plates must be ordered separately, see page 9/53.