

Introduction

Overview

SIGNUM is a range of plastic and metal control devices for frontplate 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.

Specifications

IEC 60 947-1, EN 60 947-1 (DIN VDE 0660 Part 100), IEC 60 947-5-1, EN 60 947-5-1 (DIN VDE 0660 Part 200)

Design

The plastic versions of the SIGNUM devices are

- available in flush, round and square designs, while
- the metal versions are available in the round design.

A combination of membrane keyboards and 3SB3 plastic elements supports the flat appearance. The flat construction makes cleaning easy.

The operating surfaces of the pushbuttons and indicator lights are concave. The lenses of the indicator lights are convex.

Inscription

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.

Design

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.

The normal version can be fitted with two contact blocks.

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 selector switches, safety locks or double pushbuttons.

Complete units are offered for the most commonly used applications.

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 anticlockwise to its limit before mounting the holder.

When legend holders, protective boots or similar accessories are used, the maximum permissible panel thickness must be reduced by wall thickness of the accessory.

Contact blocks and lampholders

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 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

Terminals

Devices for

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

The 3SB3 command devices have screw connections in the SIGUT termination system. The open terminals, captive screws, funnel-shaped wiring openings and screwdriver fed openings save time when connecting. Powered screwdrivers can be used.

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

Enclosure

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

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.

Pushbutton unit, plastic, with flat button

nsd0037h



Pushbutton unit, metal, with flat button

nsd0367h



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

For further information on the AS interface refer to Part 1.

SIGNUM is also communications-capable via PROFIBUS-DP.

Configuring

SIGNUM 3SB3 configuring software

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

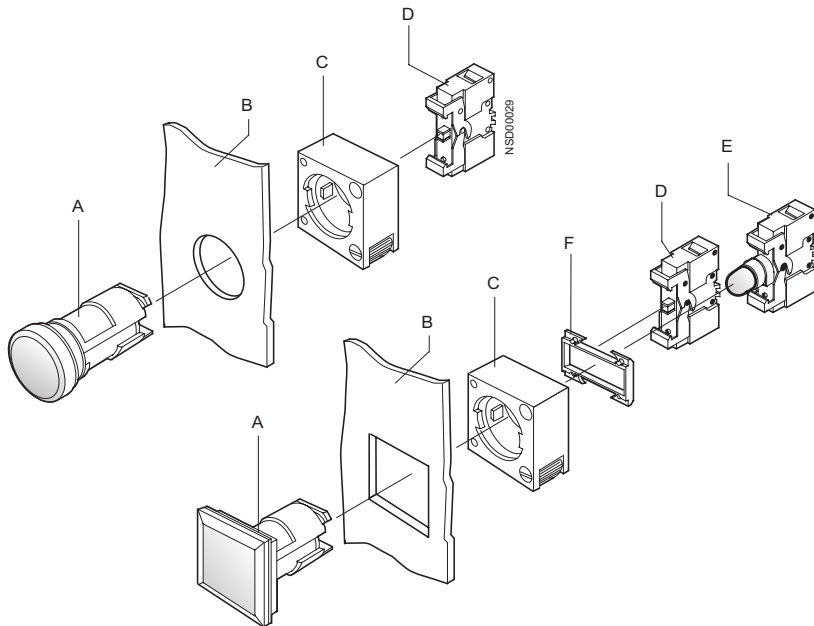
- Supply and ordering of customer-specific enclosures,
- Construction tool for designing control panels with SIGNUM 3SB3 command devices,
- Easy selection of the most varied choice of inscriptions,
- Generation of parts lists, component mounting diagrams and drill templates,
- Generation of the completed order.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3

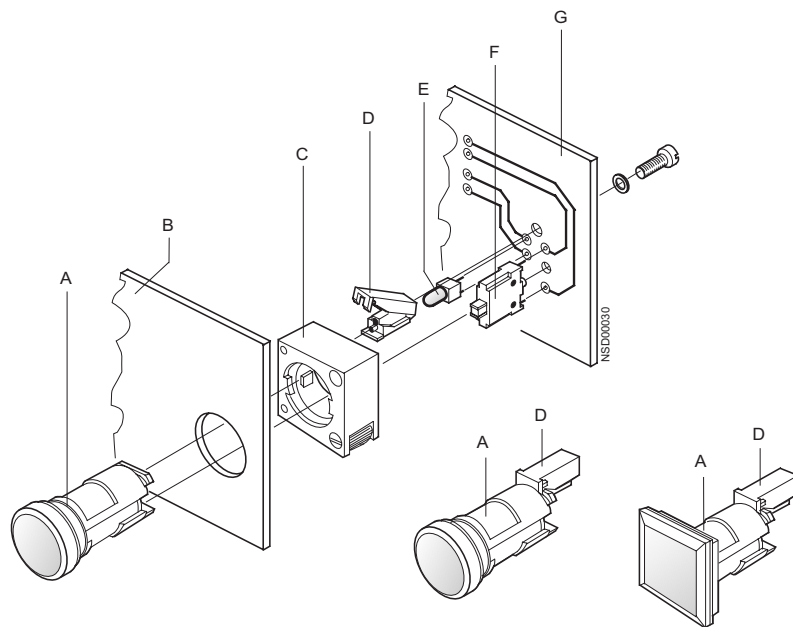
Introduction

Design



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 PCB

Contact assignment

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

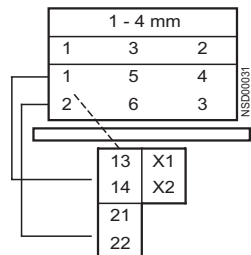
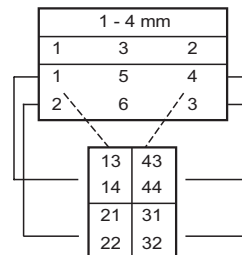
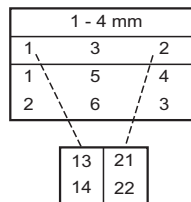
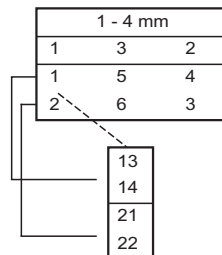
For 2 contact blocks each with 1 contact, e. g. 1 NO, 1 NC

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 a lampholder

Fixing depth
Holder
Depth for contact blocks with 1 contact
Depth for contact blocks with 2 contacts

Carrier for 3 blocks
Contact blocks, lamp holders



Technical data according to IEC 60 947-5-1 (DIN VDE 0660 Part 200) and EN 418

Rated insulation voltage U_i • Screw connection • Soldered 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></th> <th colspan="3">AC 50 to 60 Hz</th> <th colspan="2">DC</th> </tr> <tr> <th></th> <th>$I_e/AC-12$</th> <th>$I_e/AC-15$</th> <th>Solder pins</th> <th>$I_e/DC-12$</th> <th>$I_e/DC-13$</th> </tr> <tr> <th></th> <th>Screw/solder connection</th> <th>Screw terminals</th> <th></th> <th>Screw/solder connection</th> <th>Screw/solder connection</th> </tr> <tr> <th></th> <th>A</th> <th>A</th> <th>A</th> <th>A</th> <th>A</th> </tr> </thead> <tbody> <tr> <td>at 24 V</td> <td>10</td> <td>6</td> <td>4</td> <td>10</td> <td>3</td> </tr> <tr> <td>48 V</td> <td>10</td> <td>6</td> <td>4</td> <td>5</td> <td>1.5</td> </tr> <tr> <td>110 V</td> <td>10</td> <td>6</td> <td>4</td> <td>2.5</td> <td>0.7</td> </tr> <tr> <td>230 V</td> <td>10</td> <td>6</td> <td>4</td> <td>1</td> <td>0.3</td> </tr> <tr> <td>400 V</td> <td>10</td> <td>3</td> <td>–</td> <td>–</td> <td>–</td> </tr> </tbody> </table>		AC 50 to 60 Hz			DC			$I_e/AC-12$	$I_e/AC-15$	Solder pins	$I_e/DC-12$	$I_e/DC-13$		Screw/solder connection	Screw terminals		Screw/solder connection	Screw/solder connection		A	A	A	A	A	at 24 V	10	6	4	10	3	48 V	10	6	4	5	1.5	110 V	10	6	4	2.5	0.7	230 V	10	6	4	1	0.3	400 V	10	3	–	–	–
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400 V	10	3	–	–	–																																																		
Ⓢ and Ⓜ data Rated voltage • Contact block • Indicator light Conventional free-air thermal current Switching capacity	AC 300 V 125 V AC; 2.5 W for BA 9s, or 60 V AC; 1 W for wedge base W2 × 4.6 d 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 link, utilization category gL/gG • Miniature circuit-breaker with G characteristic acc. to DIN VDE 0641	10 A TDz, 16 A Dz 10 A																																																						
Mechanical endurance • Pushbutton units and contact blocks • Actuators, rotary or maintained contact • Illuminated pushbutton units Electrical endurance • with AC-15 duty with 3TF3, 3TF40 to 3TF43 contactors • with duty DC-12 or DC-13	10 × 10 ⁶ operating cycles 3 × 10 ⁵ operating cycles 3 × 10 ⁶ operating cycles 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 withstand capability Ambient temperature	Climate-proof; suitable for use on board ship –25 to +70 °C for LEDs or non-illuminated devices –25 to +60 °C for illuminated device with filament bulbs																																																						
Degree of protection acc. to IEC 60 529, DIN VDE 0470	IP 20 Contact block connections and lampholders behind the front panel IP 40 Switchrooms of the contact blocks behind the front panel IP 66 Enclosed plastic actuators and indicators; with IP 67 protective caps IP 67 NEMA type 4 metal actuators and indicators																																																						
Lampholders Screw terminal connection Soldered connection	for lamps with BA 9s base; incandescent, glow and LED lamps for lamp with wedge base W2 × 4.6 d; glow and LED lamps																																																						
Conductor cross-sections Screw terminal connection: • finely stranded with end sleeve • solid • solid with end sleeves to DIN 46 228 Soldered 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 mm × 0.8 mm																																																						
Tightening torque of holder screw Tightening torque of terminal screws	max. 1 Nm 1 – 1.2 Nm																																																						
Terminal marking Device identification	acc. to EN 50 013: Sequence number on the holder Function number on the contact block through 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 enclosures, 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 lamp ≤ 30 g Devices with incandescent lamp 11 ms Half-sine																																																						

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Complete units

Selection and ordering data



Pushbutton unit with flat button



Illuminated pushbutton unit with flat button

Version	Colour of actuator	Contacts for frontplate mounting	DT	Order No. Preferred type	Price 1 unit	PG	Weight approx. kg	Pack Unit			
Pushbutton unit with flat button	black	1 NO	▶	3SB3202-0AA11		102	0.04	1			
	black	1 NC	B	3SB3203-0AA11		102					
	red	1 NC	▶	3SB3203-0AA21		102					
	yellow	1 NO	B	3SB3202-0AA31		102					
	green	1 NO	▶	3SB3202-0AA41		102					
	blue	1 NO	B	3SB3202-0AA51		102					
	white	1 NO	▶	3SB3202-0AA61		102					
	black	1 NO + 1 NC	B	3SB3201-0AA11		102					
	red	1 NO + 1 NC	B	3SB3201-0AA21		102					
	yellow	1 NO + 1 NC	B	3SB3201-0AA31		102					
	green	1 NO + 1 NC	B	3SB3201-0AA41		102					
	blue	1 NO + 1 NC	B	3SB3201-0AA51		102					
	white	1 NO + 1 NC	B	3SB3201-0AA61		102					
	Illuminated pushbutton with flat button with integrated LED UC 24 V	red ¹⁾	1 NC	▶	3SB3246-0AA21				102	0.04	1
yellow ¹⁾		1 NO	B	3SB3245-0AA31		102					
green ¹⁾		1 NO	▶	3SB3245-0AA41		102					
blue ¹⁾		1 NO	B	3SB3245-0AA51		102					
white		1 NO	B	3SB3245-0AA61		102					
clear ¹⁾		1 NO	▶	3SB3245-0AA71		102					
red ¹⁾		1 NO + 1 NC	B	3SB3247-0AA21		102					
yellow ¹⁾		1 NO + 1 NC	B	3SB3247-0AA31		102					
green ¹⁾		1 NO + 1 NC	B	3SB3247-0AA41		102					
blue ¹⁾		1 NO + 1 NC	B	3SB3247-0AA51		102					
white		1 NO + 1 NC	B	3SB3247-0AA61		102					
clear ¹⁾		1 NO + 1 NC	B	3SB3247-0AA71		102					
with integrated LED AC 110 V		red ¹⁾	1 NC	B	3SB3250-0AA21		102	0.04	1		
		yellow ¹⁾	1 NO	B	3SB3257-0AA31		102				
	green ¹⁾	1 NO	B	3SB3257-0AA41		102					
	blue ¹⁾	1 NO	B	3SB3257-0AA51		102					
	white	1 NO	B	3SB3257-0AA61		102					
	clear ¹⁾	1 NO	B	3SB3257-0AA71		102					
	red ¹⁾	1 NO + 1 NC	B	3SB3251-0AA21		102					
yellow ¹⁾	1 NO + 1 NC	B	3SB3251-0AA31		102						
green ¹⁾	1 NO + 1 NC	B	3SB3251-0AA41		102						
blue ¹⁾	1 NO + 1 NC	B	3SB3251-0AA51		102						
white	1 NO + 1 NC	B	3SB3251-0AA61		102						
clear ¹⁾	1 NO + 1 NC	B	3SB3251-0AA71		102						
with integrated LED AC 230 V	red ¹⁾	1 NC	▶	3SB3254-0AA21		102	0.04	1			
	yellow ¹⁾	1 NO	B	3SB3253-0AA31		102					
	green ¹⁾	1 NO	▶	3SB3253-0AA41		102					
	blue ¹⁾	1 NO	B	3SB3253-0AA51		102					
	white	1 NO	B	3SB3253-0AA61		102					
	clear ¹⁾	1 NO	▶	3SB3253-0AA71		102					
	red ¹⁾	1 NO + 1 NC	B	3SB3255-0AA21		102					
yellow ¹⁾	1 NO + 1 NC	B	3SB3255-0AA31		102						
green ¹⁾	1 NO + 1 NC	B	3SB3255-0AA41		102						
blue ¹⁾	1 NO + 1 NC	B	3SB3255-0AA51		102						
white	1 NO + 1 NC	B	3SB3255-0AA61		102						
clear ¹⁾	1 NO + 1 NC	B	3SB3255-0AA71		102						
with BA 9s lamp holder without lamp	red ¹⁾	1 NC	B	3SB3207-0AA21		102	0.05	1			
	yellow ¹⁾	1 NO	B	3SB3206-0AA31		102					
	green ¹⁾	1 NO	B	3SB3206-0AA41		102					
	blue ¹⁾	1 NO	B	3SB3206-0AA51		102					
	white	1 NO	B	3SB3206-0AA61		102					
	clear ¹⁾	1 NO	B	3SB3206-0AA71		102					
	red ¹⁾	1 NO + 1 NC	B	3SB3205-0AA21		102					
yellow ¹⁾	1 NO + 1 NC	B	3SB3205-0AA31		102						
green ¹⁾	1 NO + 1 NC	B	3SB3205-0AA41		102						
blue ¹⁾	1 NO + 1 NC	B	3SB3205-0AA51		102						
white	1 NO + 1 NC	B	3SB3205-0AA61		102						
clear ¹⁾	1 NO + 1 NC	B	3SB3205-0AA71		102						










1) Inscription by inserting a label is possible.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Complete units

Selection and ordering data

Version	Colour of actuator/ Lock No.	Contacts for frontplate mounting	DT	Order No. Preferred type	Price 1 unit	PG	Weight approx. kg	Pack Unit	
Mushroom push-pull-button unit  nsd0560g	Mushroom push-pull button unit, Ø 40 mm, latching, unlatching by pulling	red	1 NC	▶ 3SB32 03-1CA21		102	0.036	1	
			1 NO + 1 NC	B	3SB32 01-1CA21		102	0.045	
Selector switch  nsd0041g	Selector switch, 2 switching positions Switching sequence O-I, operating angle 50° latching  nss 00439g	black	1 NO	▶ 3SB32 02-2KA11		102	0.033	1	
			1 NO + 1 NC	▶	3SB32 01-2KA11		102	0.042	
Selector switch  nsd0041g	Selector switch, 3 switching positions Switching sequence I-O-II, operating angle 2 x 50° latching  nss 00448g	black	1 NO, 1 NO	▶ 3SB32 10-2DA11		102	0.043	1	
			1 NO + 1 NC, B	▶	3SB32 08-2DA11		102	0.061	
			1 NO, 1 NO	▶	3SB32 10-2EA11		102	0.043	1
			1 NO + 1 NC, B	▶	3SB32 08-2EA11		102	0.061	
RONIS key operated switch  nsd0042g	RONIS key-operated switch, flat, 2 switching positions Switching sequence O-I, latching, with key removable in any position, 50° operating angle  nss 00444g	SB 30	1 NO	▶ 3SB32 02-4AD11		102	0.085	1	
			1 NO + 1 NC	B	3SB32 01-4AD11		102	0.095	
EMERGENCY-STOP mushroom pushbutton unit  nsd0045g	EMERGENCY-STOP mushroom pushbutton unit, Ø 40 mm, with positive latching function, with turn unlatching mechanism	red	1 NO	▶ 3SB32 03-1HA20		102	0.036	1	
			1 NO + 1 NC	▶ A	3SB32 01-1HA20		102	0.045	
				 96 4041 bg964041					

EMERGENCY-STOP command devices acc. to EN 418 with yellow backing plate, Ø 80 mm, labelled, can also be used with 3TK28 contactor safety combinations (see Part 8)

▶ Positive opening acc. to IEC 60 947-5-1, Appendix K, and DIN VDE 0660 Part 200.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Complete units

Selection and ordering data



Indicator light with smooth lens



Indicator light with lens with concentric rings



Audible signal device



Drive for potentiometer

Version	Colour of lens	Operational voltage	DT	Order No.	Price	PG	Weight approx.	Pack approx.
				Preferred type	1 unit		kg	Unit
Indicator light with smooth lens								
with integrated LED UC 24 V	red		▶	3SB3244-6AA20		102	0.03	1
	yellow		B	3SB3244-6AA30		102		
	green		▶	3SB3244-6AA40		102		
	blue		B	3SB3244-6AA50		102		
	white		B	3SB3244-6AA60		102		
	clear		▶	3SB3244-6AA70		102		
with integrated LED AC 110 V	red		B	3SB3248-6AA20		102	0.04	1
	yellow		B	3SB3248-6AA30		102		
	green		B	3SB3248-6AA40		102		
	blue		B	3SB3248-6AA50		102		
	white		B	3SB3248-6AA60		102		
	clear		B	3SB3248-6AA70		102		
with integrated LED AC 230 V	red		▶	3SB3252-6AA20		102	0.04	1
	yellow		B	3SB3252-6AA30		102		
	green		▶	3SB3252-6AA40		102		
	blue		B	3SB3252-6AA50		102		
	white		B	3SB3252-6AA60		102		
	clear		▶	3SB3252-6AA70		102		
with BA 9s lamp holder without lamp	red		B	3SB3204-6AA20		102	0.04	1
	yellow		B	3SB3204-6AA30		102		
	green		B	3SB3204-6AA40		102		
	blue		B	3SB3204-6AA50		102		
	white		B	3SB3204-6AA60		102		
	clear		B	3SB3204-6AA70		102		
Indicator light with lens with concentric rings								
with integrated LED UC 24 V	red		▶	3SB3244-6BA20		102	0.04	1
	yellow		B	3SB3244-6BA30		102		
	green		▶	3SB3244-6BA40		102		
	blue		B	3SB3244-6BA50		102		
	white		B	3SB3244-6BA60		102		
	clear		▶	3SB3244-6BA70		102		
with integrated LED AC 110 V	red		B	3SB3248-6BA20		102	0.04	1
	yellow		B	3SB3248-6BA30		102		
	green		B	3SB3248-6BA40		102		
	blue		B	3SB3248-6BA50		102		
	white		B	3SB3248-6BA60		102		
	clear		B	3SB3248-6BA70		102		
with integrated LED AC 230 V	red		▶	3SB3252-6BA20		102	0.04	1
	yellow		B	3SB3252-6BA30		102		
	green		▶	3SB3252-6BA40		102		
	blue		B	3SB3252-6BA50		102		
	white		B	3SB3252-6BA60		102		
	clear		▶	3SB3252-6BA70		102		
with BA 9s lamp holder without lamp	red		▶	3SB3204-6BA20		102	0.04	1
	yellow		B	3SB3204-6BA30		102		
	green		▶	3SB3204-6BA40		102		
	blue		B	3SB3204-6BA50		102		
	white		B	3SB3204-6BA60		102		
	clear		▶	3SB3204-6BA70		102		
Audible signal device, IP 65¹⁾								
Continuous tone (2.4 kHz) Min. operational current 10 mA Min. sound pressure 80 dB/10 cm		UC 24 V	B	3SB3233-7BA10		102	0.03	1
		UC 115 V	B	3SB3234-7BA10		102		
		230 V AC/ DC	B	3SB3235-7BA10		102		
Drive for potentiometer¹⁾²⁾								
			B	3SB1000-7CH07		102	0.02	1

1) Cannot be used with 3SB38 enclosures.








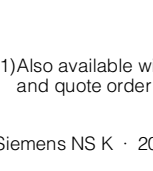
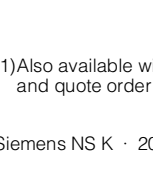
2) The potentiometer is not included in the scope of supply.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Pushbuttons and switches

Selection and ordering data

Version	Colour of actuator	Inscription	DT	Order No. ▶ Preferred type	Price 1 unit	PG	Weight approx. kg	Pack Unit
<i>including holder¹⁾</i>								
 Pushbutton with flat button	Pushbutton with flat button	black		▶ 3SB3000-0AA11		102	0.02	5
		red		▶ 3SB3000-0AA21		102		
		yellow		B 3SB3000-0AA31		102		
		green		▶ 3SB3000-0AA41		102		
		blue		B 3SB3000-0AA51		102		
		white		▶ 3SB3000-0AA61		102		
		grey		B 3SB3000-0AB51		102		
		clear ²⁾		B 3SB3000-0AA71		102		
		green	Inscription I	B 3SB3000-0AA81		102		
		red	Inscription O	B 3SB3000-0AB01		102		
		white	Inscription I	B 3SB3000-0AB11		102		
		black	Inscription O	B 3SB3000-0AB21		102		
 Pushbutton with raised button	Pushbutton with raised button	black		B 3SB3000-0BA11		102	0.02	5
		red		B 3SB3000-0BA21		102		
		yellow		B 3SB3000-0BA31		102		
		blue		B 3SB3000-0BA51		102		
		white		B 3SB3000-0BA61		102		
 Pushbutton with raised button, locking	Pushbutton, locking with raised button, can be locked by depressing and turning clockwise; unlocking by turning anti-clockwise	black		▶ 3SB3000-0CA11		102	0.03	5
		red		B 3SB3000-0CA21		102		
 Pushbutton with raised front ring	Pushbutton with raised front ring (Height 13 mm)	black		B 3SB3000-0AA12		102	0.02	5
		red		B 3SB3000-0AA22		102		
		yellow		B 3SB3000-0AA32		102		
		green		B 3SB3000-0AA42		102		
		blue		B 3SB3000-0AA52		102		
		white		B 3SB3000-0AA62		102		
 Pushbutton with raised front ring (castell.)	Pushbutton with raised front ring with castellations, (Height 13 mm)	black		B 3SB3000-0AA13		100	0.02	5
		red		B 3SB3000-0AA23		100		
		yellow		B 3SB3000-0AA33		100		
		green		B 3SB3000-0AA43		100		
 Illuminated pushbutton with flat button	Illuminated pushbutton with flat button incl. holder for 3 elements	red ²⁾		▶ 3SB3001-0AA21		100	0.02	5
		yell. ²⁾		▶ 3SB3001-0AA31		100		
		green ²⁾		▶ 3SB3001-0AA41		100		
		blue ²⁾		▶ 3SB3001-0AA51		100		
		white		B 3SB3001-0AA61		100		
		clear ²⁾		▶ 3SB3001-0AA71		100		
 Illuminated pushbutton with raised button	Illuminated pushbutton with raised button incl. holder for 3 elements	red		B 3SB3001-0BA21		100	0.02	5
		yellow		B 3SB3001-0BA31		100		
		green		B 3SB3001-0BA41		100		
		blue		B 3SB3001-0BA51		100		
		clear		B 3SB3001-0BA71		100		
 Illuminated pushbutton with flat button	Pushbutton, latching, with flat button unlatching by repeated pressing	black		B 3SB3000-0DA11		100	0.07	5
		red		B 3SB3000-0DA21		100		
		yellow		B 3SB3000-0DA31		100		
		green		B 3SB3000-0DA41		100		
		blue		B 3SB3000-0DA51		100		
		white		B 3SB3000-0DA61		100		
		grey		B 3SB3000-0DB51		102		
 Illuminated pushbutton with raised button	Illuminated pushbutton, latching, with flat button incl. holder for 3 elements, unlatching by repeated pressing	red ²⁾		B 3SB3001-0DA21		100	0.07	5
		yell. ²⁾		B 3SB3001-0DA31		100		
		green ²⁾		B 3SB3001-0DA41		100		
		blue ²⁾		B 3SB3001-0DA51		100		
		white ²⁾		B 3SB3001-0DA61		100		
		clear ²⁾		B 3SB3001-0DA71		100		

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







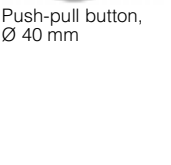
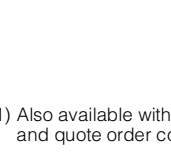
²⁾ Inscription by inserting a label is possible.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Pushbuttons and switches

Selection and ordering data

Version	Colour of actuator	DT	Order No.	Price	PG	Weight approx. kg	Pack Unit
			▶ Preferred type	1 unit			
<i>including holder¹⁾</i>							
 Mushroom pushbutton, Ø 30 mm	Mushroom pushbutton, Ø 30 mm	black	B 3SB3000-1DA11		102	0.03	5
		red	B 3SB3000-1DA21		102		
		yellow	B 3SB3000-1DA31		102		
		green	B 3SB3000-1DA41		102		
 Mushroom pushbutton, Ø 40 mm	Mushroom pushbutton, Ø 40 mm	black	▶ 3SB3000-1GA11		102	0.03	5
		red	▶ 3SB3000-1GA21		102		
		yellow	B 3SB3000-1GA31		102		
		green	B 3SB3000-1GA41		102		
 Illuminated mushroom pushbutton, Ø 30 mm	Illuminated mushroom pushbutton, Ø 30 mm	yellow	B 3SB3001-1DA31		102	0.02	5
		green	B 3SB3001-1DA41		102	0.04	
	incl. holder for 3 elements	white	B 3SB3001-1DA61		102	0.02	
 Illuminated mushroom pushbutton, Ø 40 mm	Illuminated mushroom pushbutton, Ø 40 mm	yellow	B 3SB3001-1GA31		102	0.03	5
		green	B 3SB3001-1GA41		102		
	incl. holder for 3 elements	white	B 3SB3001-1GA61		102		
 Push-pull button Ø 30 mm, latching	Push-pull button Ø 30 mm, latching	black	B 3SB3000-1EA11		102	0.02	5
	unlatching by pulling	red ²⁾	B 3SB3000-1EA21		102	0.03	
 Illuminated mushroom push-button, Ø 30 mm	Push-pull button Ø 40 mm, latching	black	▶ 3SB3000-1CA11		102	0.03	5
	unlatching by pulling	red	▶ 3SB3000-1CA21		102		
 Illuminated mushroom push-button, Ø 40 mm	Push-pull button, Ø 30 mm, latching, illuminated	red	B 3SB3001-1EA21		102	0.03	5
		yellow	B 3SB3001-1EA31		102	0.06	
	incl. holder for 3 elements,	green	B 3SB3001-1EA41		102	0.03	
	unlatching by pulling	blue	B 3SB3001-1EA51		102		
		clear	B 3SB3001-1EA71		102	0.02	
 Push-pull button, Ø 30 mm	Push-pull button, Ø 40 mm latching, illuminated	red	B 3SB3001-1CA21		102	0.03	5
		yellow	B 3SB3001-1CA31		102		
	incl. holder for 3 elements,	green	B 3SB3001-1CA41		102		
	unlatching by pulling	blue	B 3SB3001-1CA51		102		
		clear	B 3SB3001-1CA71		102		

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









2) Maximum components provided: 3 single pole or 2 double-pole contact elements. When using the 3SB39 01-0AB holder, the central command position must not be empty.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Selector switches

Selection and ordering data

Version	Colour of actuator	DT	Order No.	Price	PG	Weight approx. kg	Pack Unit	
<i>including holder¹⁾</i>								
Selector switches with 2 switching positions								
 <p>Selector switch nsd0059g</p>	 <p>Switching sequence O-I, latching, 50° operating angle</p>	non-illuminated	black	▶	3SB30 00-2KA11	102	0.023	5
			red	B	3SB30 00-2KA21			
 <p>Illuminated selector switch nsd0060g</p>	 <p>Switching sequence O-I, non-latching (return from the right), 50° operating angle</p>	illuminated with holder for 3 elements	green	B	3SB30 00-2KA41	102	0.023	5
			white	B	3SB30 00-2KA61	102		
			red	B	3SB30 01-2KA21	102		
			yellow	B	3SB30 01-2KA31	102		
			green	B	3SB30 01-2KA41	102		
			blue	B	3SB30 01-2KA51	102		
clear	B	3SB30 01-2KA71	102					
Selector switches with 3 switching positions								
 <p>Switching sequence I-O-II, latching, 2 × 50° operating angle</p>	non-illuminated	black	▶	3SB30 00-2DA11	102	0.023	5	
		red	B	3SB30 00-2DA21				
 <p>Switching sequence I-O-II, non-latching (return from the right and left), 2 × 50° operating angle</p>	illuminated with holder for 3 elements	green	B	3SB30 00-2DA41	102	0.023	5	
		white	B	3SB30 00-2DA61	102			
		red	B	3SB30 01-2DA21	102			
		yellow	B	3SB30 01-2DA31	102			
		green	B	3SB30 01-2DA41	102			
		blue	B	3SB30 01-2DA51	102			
clear	B	3SB30 01-2DA71	102					
 <p>Switching sequence I-O-II, latching to the right, non-latching to the left (return from the left), 2 × 50° operating angle</p>	non-illuminated²⁾	black	▶	3SB30 00-2GA11	102	0.023	5	
		red	B	3SB30 00-2GA21				
 <p>Switching sequence I-O-II, non-latching to the left, non-latching to the right (return from the right), 2 × 50° operating angle</p>	illuminated with holder for 3 elements	green	B	3SB30 00-2GA41	102	0.023	5	
		white	B	3SB30 00-2GA61	102			
		black	B	3SB30 00-2FA11	102			
		red	B	3SB30 00-2FA21	102			
		green	B	3SB30 00-2FA41	102			
		white	B	3SB30 00-2FA61	102			

1) Also available without holder. When ordering, append “-Z” to the order number and specify order code “B01”.






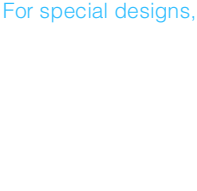
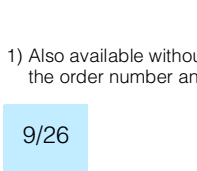
2) Also available as illuminated selector switch. When ordering, append “-Z” to the order number and specify “illuminated selector switch” and the colour in plain text.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Key operated switches

Selection and ordering data

Version	Type	Lock No./ colour	Key remov-able in position	DT	Order No.	Price	PG	Weight approx.	Pack
					▶ Preferred type	1 unit		kg	Unit
<i>including holder¹⁾</i>									
RONIS key operated switch									
	Switching sequence O-I, latching, 50° operating angle	RONIS flat	SB 30	O+I O I	▶ B	3SB30 00-4HD11	102	0.075	
					▶ B	3SB30 00-4HD01	102		
	Switching sequence O-I, latching, 50° operating angle	RONIS flat	SB 30	O+I O I	▶ B	3SB30 00-4AD11	102	0.075	1
					▶ B	3SB30 00-4AD01	102		
		CES	SSG 10	O+I O I	▶ B	3SB30 00-4LD11	102	0.126	1
					▶ B	3SB30 00-4LD01	102		
		CES	LSG 1	O+I O	B	3SB30 00-4LF01	102		
					B	3SB30 00-4LF11	102		
		IKON	360012 K1	O+I O	B	3SB30 00-5LD11	102	0.131	1
					B	3SB30 00-5LD01	102		
		BKS	1 NO	O+I O I	B	3SB30 00-5AD11	102	0.126	1
					B	3SB30 00-5AD01	102		
		BKS	E1 for VW ²⁾	O+I O I	B	3SB30 00-5AE01	102		
					B	3SB30 00-5AE11	102		
		BKS	E2 for VW ²⁾	O+I O I	B	3SB30 00-5AE21	102		
					B	3SB30 00-5AE31	102		
		BKS	E7 for VW ²⁾	O+I O I	B	3SB30 00-5AE41	102		
					B	3SB30 00-5AE51	102		
		BKS	E9 for VW ²⁾	O+I O I	B	3SB30 00-5AE61	102		
					B	3SB30 00-5AE71	102		
		O.M.R.	73038 light blue	O+I O I	B	3SB30 00-3AG11	102	0.117	1
					B	3SB30 00-3AG01	102		
		O.M.R.	73037 red	O+I O I	B	3SB30 00-3AH11	102		
					B	3SB30 00-3AH01	102		
		O.M.R.	73034 black	O+I O I	B	3SB30 00-3AJ11	102		
					B	3SB30 00-3AJ01	102		
		O.M.R.	73033 yellow	O+I O I	B	3SB30 00-3AK11	102		
					B	3SB30 00-3AK01	102		
	Switching sequence O-I, non-latching (return from the right), 50° operating angle	RONIS flat	SB 30	O	▶ B	3SB30 00-4BD01	102	0.075	1
		CES	SSG 10	O	▶ B	3SB30 00-4MD01	102	0.126	1
		CES	LSG 1	O	A	3SB30 00-4MF11	102		
		IKON	360012 K1	O	B	3SB30 00-5MD01	102	0.131	1
		BKS	1 NO	O	B	3SB30 00-5BD01	102	0.126	1
		O.M.R.	73038 light blue	O	B	3SB30 00-3BG01	102	0.117	1
		O.M.R.	73037 red	O	B	3SB30 00-3BH01	102		
		O.M.R.	73034 black	O	B	3SB30 00-3BJ01	102		
		O.M.R.	73033 yellow	O	B	3SB30 00-3BK01	102		

For special designs, see page 9/29.

1) Also available without holder. When ordering, append “-Z” to the order number and specify order code “B01”.

2) Supplied without key.








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

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Key operated switches

Selection and ordering data

Version	Type	Lock No./ colour	Key remov- able in position	DT	Order No.	Price	PG	Weight approx.	Pack		
						1 unit		kg	Unit		
<i>including holder¹⁾</i>											
RONIS key operated switch	Key operated switches with 2 keys and 3 switching positions										
 <p>nsd0063g</p>	 <p>Switching sequence I-O-II, latching, 2 × 50° operating angle</p> <p>nss 00448g</p>	RONIS	SB 30	O+I+II	B	3SB30 00-4DD11	102	0.075	1		
		flat		O	B	3SB30 00-4DD01	102				
				I+II	B	3SB30 00-4DD41	102				
				I	B	3SB30 00-4DD21	102				
				II	B	3SB30 00-4DD31	102				
				O+I	B	3SB30 00-4DD51	102				
 <p>nsd0562g</p>		CES	SSG 10	O+I+II	B	3SB30 00-4PD11	102	0.126	1		
				O	B	3SB30 00-4PD01	102				
				I+II	B	3SB30 00-4PD41	102				
				I	B	3SB30 00-4PD21	102				
 <p>nsd0563g</p>		IKON	360012 K 1	O+I+II	B	3SB30 00-5PD11	102	0.131	1		
		 <p>nsd0564g</p>	 <p>Switching sequence I-O-II, non-latching (return from right and left), 2 × 50° operating angle</p> <p>nss 00445g</p>	BKS	1 NO	O+I+II	B	3SB30 00-5DD11	102	0.126	1
						O	B	3SB30 00-5DD01	102		
						II	B	3SB30 00-5DD31	102		
			<p>O.M.R. 2)</p>	73038	light blue	I+O+II	B	3SB30 00-3DG11	102	0.117	1
						O	B	3SB30 00-3DG01	102		
				73037	red	I+O+II	B	3SB30 00-3DH11	102		
						O	B	3SB30 00-3DH01	102		
				73034	black	I+O+II	B	3SB30 00-3DJ11	102		
						O	B	3SB30 00-3DJ01	102		
		73033	yellow	I+O+II	B	3SB30 00-3DK11	102				
				O	B	3SB30 00-3DK01	102				
		RONIS	SB 30	O	B	3SB30 00-4ED01	102	0.075	1		
		CES	SSG 10	O	B	3SB30 00-4QD01	102	0.126	1		
		IKON	350012 K 1	O	B	3SB30 00-5QD01	102	0.131	1		
		BKS	1 NO	O	B	3SB30 00-5ED01	102	0.126	1		
	<p>O.M.R. 2)</p>	73038	light blue	O	B	3SB30 00-3EG01	102	0.117	1		
		73037	red	O	B	3SB30 00-3EH01	102				
		73034	black	O	B	3SB30 00-3EJ01	102				
		73033	yellow	O	B	3SB30 00-3EK01	102				
		O.M.R.									
O.M.R. key operated switch											
 <p>nsd0067g</p>											

For special designs, see page 9/29.

1) Also available without holder. When ordering, append “-Z” to the order number and specify order code “B01”.




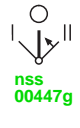

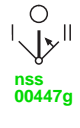

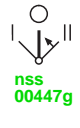

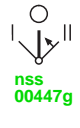


2) In accordance with FIAT car company standards, can also be used by other users.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Key operated switches

Selection and ordering data

Version	Type	Lock No./ colour	Key remov- able in position	DT	Order No.	Price	PG	Weight approx.	Pack
						1 unit		kg	Unit
<i>including holder¹⁾</i>									
RONIS key operated switch	Key operated switches with 2 keys and 3 switching positions								
 nsd0063g	 Switching sequence I-O-II, latching to the right, non-latching to the left (return from the left), 2 × 50° operating angle nss 00446g	RONIS	SB 30	O+II	B	3SB30 00-4GD61	102	0.075	1
			flat	O	B	3SB30 00-4GD01	102		
				II	B	3SB30 00-4GD31	102		
 nsd0562g	 Switching sequence I-O-II, latching to the left, non-latching to the right (return from the right), 2 × 50° operating angle nss 00447g	CES	SSG 10	O+II	B	3SB30 00-4SD61	102	0.126	1
				O	B	3SB30 00-4SD01	102		
				II	B	3SB30 00-4SD31	102		
 nsd0563g	 Switching sequence I-O-II, latching to the left, non-latching to the right (return from the right), 2 × 50° operating angle nss 00447g	RONIS	SB 30	O+I	B	3SB30 00-4FD51	102	0.075	1
			flat	O	B	3SB30 00-4FD01	102		
				I	B	3SB30 00-4FD21	102		
 nsd0564g	 Switching sequence I-O-II, latching to the left, non-latching to the right (return from the right), 2 × 50° operating angle nss 00447g	CES	SSG 10	O+I	B	3SB30 00-4RD51	102	0.126	1
				O	B	3SB30 00-4RD01	102		
				I	B	3SB30 00-4RD21	102		
 nsd0067g	 Switching sequence I-O-II, latching to the left, non-latching to the right (return from the right), 2 × 50° operating angle nss 00447g	IKON	350012 K1	O+I	B	3SB30 00-5RD51	102	0.131	1
				O+I	B	3SB30 00-5FD51	102		
				I	B	3SB30 00-5FD21	102		
 nsd0563g	 Switching sequence I-O-II, latching to the left, non-latching to the right (return from the right), 2 × 50° operating angle nss 00447g	O.M.R.	73038	O	B	3SB30 00-3FG01	102	0.117	1
			light blue	I	B	3SB30 00-3FG21	102		
			73034	I	B	3SB30 00-3FJ21	102		
		black							

For special designs, see page 9/29.

¹⁾ Also available without holder. When ordering, append “-Z” to the order number and specify order code “B01”.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Key operated switches

Selection and ordering data

Special locks for keyswitches

Special locks, which are listed in the table below. The average delivery time is 5 working days.

In this case, append “-Z”, the order code **Y02** and the desired key operated switch number to the order number.

Ordering example

3SB30 00-4LD01-Z
Y02
Z = SSG11

Note

For applications in which access security is important and several key operated switch numbers are used, we recommend the use of BKS, CES or IKON locks.

Order No. Code	Possible special locks	Order No.	Possible special locks	Order No.	Possible special locks
3SB3. ...-4AD...-Z Y02	SB31 to SB49, T421 to T455, T458	3SB3. ...-4LD...-Z Y02	SSG 11 to SSG 15	3SB3. ...-5AD...-Z Y02	E1, E2, E7, E9
3SB3. ...-4BD...-Z Y02		3SB3. ...-4MD...-Z Y02		3SB3. ...-5BD...-Z Y02	
3SB3. ...-4DD...-Z Y02		3SB3. ...-4PD...-Z Y02		3SB3. ...-5DD01-Z Y02	
3SB3. ...-4ED...-Z Y02		3SB3. ...-4QD...-Z Y02		3SB3. ...-5DD11-Z Y02	
3SB3. ...-4GD...-Z Y02		3SB3. ...-4SD...-Z Y02		3SB3. ...-5DD41-Z Y02	
3SB3. ...-4FD...-Z Y02		3SB3. ...-4RD...-Z Y02		3SB3. ...-5ED...-Z Y02	
				3SB3. ...-5GD01-Z Y02	
				3SB3. ...-5FD01-Z Y02	
				3SB3. ...-5FD51-Z Y02	E 9
3SB3. ...-1BA20-Z Y02	SB31 to SB49, T421 to T455, T458	3SB3. ...-1KA20-Z Y02	SSP 9	3SB3. ...-1LA20-Z Y02	E2, E7, E9

Special locks which are not listed in the above table. The average delivery time is 25 working days.

In this case, append “-Z”, the order code **Y01** and the desired key operated switch number to the order number.

Ordering example

3SB30 00-4LD01-Z
Y01
Z = SSG18

Note

Special locks for VW (E1, E2, ...) will be delivered without keys, all others with 2 keys.

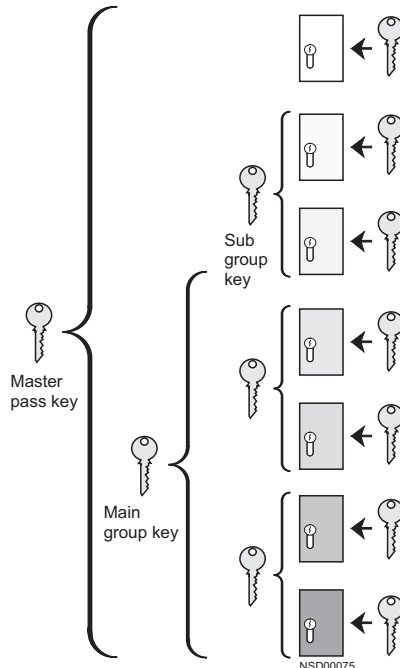
Master and pass key systems

Safety key operated switch actuators with BKS, CES, IKON and O.M.R. can be supplied for use with:

- central key operated switch systems,
- master key systems,
- central master key systems,
- master pass key systems.

Please enquire for price and delivery time.

Example of master pass-key system





Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm



EMERGENCY-STOP mushroom pushbuttons

Selection and ordering data

Version	Colour of actuator, key withdrawable in position	DT	Order No.	Price	PG	Weight approx.	Pack
		▶	Preferred type	1 unit		kg	Unit
<p><i>EMERGENCY-STOP command devices according to EN 418, including holder^{1) 2)}, can also be used with 3TK28 contactor safety combinations (see Section 8)</i></p>							
EMERGENCY-STOP mushroom pushbutton  <i>nsd0068g</i>	Mushroom pushbutton, Ø 40 mm, with positive latching function unlatching by turning the knob to the left	red		▶ 3SB30 00-1HA20		102 0.044	5
	Mushroom pushbutton, Ø 40 mm, with positive latching function, with RONIS lock Lock No. SB 30, supplied with 2 keys, unlocking only possible using key	red ON/OFF		B 3SB30 00-1BA20		102 0.1	1
EMERGENCY-STOP mushroom pushbutton with lock  <i>nsd0069g</i>	Mushroom pushbutton, Ø 40 mm, with positive latching function, with CES lock Lock No. SSG 10, supplied with 2 keys, unlocking only possible using key	red ON/OFF		B 3SB30 00-1KA20		102 0.04	1
	Mushroom pushbutton, Ø 40 mm, with positive latching function, with BKS lock Lock No. S1, supplied with 2 keys, unlocking only possible using key	red ON/OFF		B 3SB30 00-1LA20		102 0.04	1
	Mushroom pushbutton, Ø 40 mm, with positive latching function, with O.M.R. lock Lock No. 73037, supplied with 2 keys, unlocking only possible using key	red ON/OFF		B 3SB30 00-1MA20		102 0.04	1

Indicator lights and audible signal devices

Selection and ordering data

Version	Colour of lens	DT	Order No.	Price	PG	Weight approx.	Pack
		▶	Preferred type	1 unit		kg	Unit
<p><i>including holder¹⁾</i></p>							
Indicator light  <i>nsd0565g</i>	with smooth lens	red	▶ 3SB30 01-6AA20		102	0.018	5
		yellow	▶ 3SB30 01-6AA30		102		
		green	▶ 3SB30 01-6AA40		102		
		blue	B 3SB30 01-6AA50		102		
		white	B 3SB30 01-6AA60		102		
		clear	▶ 3SB30 01-6AA70		102		
Audible signal device  <i>nsd0071g</i>	with lens with concentric rings	red	B 3SB30 01-6BA20		102	0.018	5
		yellow	B 3SB30 01-6BA30		102		
		green	B 3SB30 01-6BA40		102		
		blue	B 3SB30 01-6BA50		102		
		white	B 3SB30 01-6BA60		102		
		clear	B 3SB30 01-6BA70		102		
	Audible signal device, IP 40³⁾ for audible signal transducer DC 24V ⁴⁾ with BA 9s holder	black	B 3SB30 00-7AA10		102	0.018	5

1) Also available without holder. When ordering, append “-Z” to the order number and specify code “B01”.

2) The yellow backing plate must be ordered separately; see page 9/57.

3) Audible signal device, IP 65, see page 9/22.





4) Audible signal transducer must be ordered separately when using the 3SB34 00-1A lampholder; see page 9/58.

Pushbutton Units and Indicator Lights



SIGNUM 3SB3, ○ Round Programme, 22 mm

Twin pushbuttons

Selection and ordering data

Version	Colour	DT	Order No.	Price	PG	Weight approx.	Pack
				1 unit		kg	Unit
Twin pushbutton with flat buttons  nsd0072g	Twin pushbutton , IP 65, with flat buttons ²⁾ including holder ¹⁾ green/red inscription I/O white/black inscription I/O	B	3SB31 00-8AC21		102	0.027	5
		B	3SB31 00-8AC31		102		
Twin pushbutton with indicator light, with flat and raised buttons  nsd0073g	Twin pushbutton with indicator light , IP 65, with flat buttons ²⁾ incl. holders for 3 elements green/red inscription I/O white/black inscription I/O	B	3SB31 00-8CC21		102	0.027	5
		B	3SB31 00-8CC31		102		
Twin pushbutton with indicator light, with flat and raised buttons  nsd0073g	Twin pushbutton with indicator light , IP 65, with flat buttons ²⁾ incl. holder for 3 elements green/red inscription I/O white/black inscription I/O	B	3SB31 01-8BC21		102	0.027	5
		B	3SB31 01-8BC31		102		
Twin pushbutton with indicator light, with flat and raised buttons  nsd0073g	Twin pushbutton with indicator light , IP 65, with flat and raised buttons ²⁾ incl. holder for 3 elements green/red inscription I/O white/black inscription I/O	B	3SB31 01-8DC21		102	0.027	5
		B	3SB31 01-8DC31		102		

Accessories

Version	DT	Order No.	Price	PG	Weight approx.	Pack
			1 unit		kg	Unit
Inscription plate  nsd0074g		B	3SB39 22-0AY		102	10
Protective cap  nsd0075g		B	3SB39 21-0AQ		102	1

1) Also available without holder. When ordering, append “-Z” to the order number and specify code “B01”.

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


3) For inscription plates, see pages 9/54 and 9/55.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, □ Square Programme, 26 mm × 26 mm



Complete units

Selection and ordering data

Version	Colour of lens	DT	Order No.	Price	PG	Weight approx.	Pack
				1 unit		kg	Unit
 Indicator light nsd0079g	Indicator light						
	with integrated LED AC/DC 24 V	red yellow green blue white clear	B B B B B B	3SB33 44-6AA20 3SB33 44-6AA30 3SB33 44-6AA40 3SB33 44-6AA50 3SB33 44-6AA60 3SB33 44-6AA70	102 102 102 102 102 102	0.03	1
	with integrated LED AC 230 V	red yellow green blue white clear	B B B B B B	3SB33 52-6AA20 3SB33 52-6AA30 3SB33 52-6AA40 3SB33 52-6AA50 3SB33 52-6AA60 3SB33 52-6AA70	102 102 102 102 102 102	0.03	1
	with BA 9s lamp holder	red yellow green blue white clear	B B B B B B	3SB33 04-6AA20 3SB33 04-6AA30 3SB33 04-6AA40 3SB33 04-6AA50 3SB33 04-6AA60 3SB33 04-6AA70	102 102 102 102 102 102	0.03	1

Pushbuttons

Selection and ordering data

Version	Colour of actuator	DT	Order No.	Price	PG	Weight approx.	Pack	
				1 unit		kg	Unit	
 Pushbutton nsd0080g	<i>including holder¹⁾</i> Pushbutton with flat button	black red yellow green blue white clear ²⁾	B B B B B B B	3SB31 10-0AA11 3SB31 10-0AA21 3SB31 10-0AA31 3SB31 10-0AA41 3SB31 10-0AA51 3SB31 10-0AA61 3SB31 10-0AA71	102 102 102 102 102 102 102	0.019	5	
	Pushbutton with raised front ring (Height 13 mm)	black red white	B B B	3SB31 10-0AA12 3SB31 10-0AA22 3SB31 10-0AA62	102 102 102	0.02	5	
	Pushbutton with raised front ring with castellations (height 13 mm)	black yellow green	B B B	3SB31 10-0AA13 3SB31 10-0AA33 3SB31 10-0AA43	102 102 102	0.02	5	
	 Illuminated pushbutton nsd0081g	Illuminated pushbutton with flat button incl. holder for 3 elements	red ²⁾ yell. ²⁾ green ²⁾ blue ²⁾ white clear ²⁾	B B B B B B	3SB31 11-0AA21 3SB31 11-0AA31 3SB31 11-0AA41 3SB31 11-0AA51 3SB31 11-0AA61 3SB31 11-0AA71	102 102 102 102 102 102	0.019	5

1) Also available without holder. When ordering, append “-Z” to the order number and specify code “B01”.



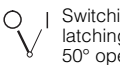

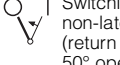

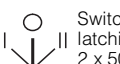
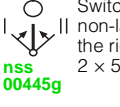
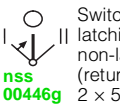
2) Inscription by inserting a label is possible.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, □ Square Programme, 26 mm × 26 mm

Pushbutton switches and selector switches

Selection and ordering data

Version	Colour of actuator	DT	Order No.	Price	PG	Weight approx.	Pack			
				1 unit		kg	Unit			
<i>including holder¹⁾</i>										
 <p>Pushbutton switch nsd0080g</p>	Pushbutton switch, latching, with flat button unlatching by pressing again		black red yellow green blue white	B B B B B B	3SB31 10-0DA11 3SB31 10-0DA21 3SB31 10-0DA31 3SB31 10-0DA41 3SB31 10-0DA51 3SB31 10-0DA61	102 102 102 102 102 102	5			
	Illuminated pushbutton switch, latching, with flat button incl. holder for 3 elements unlatching by pressing again		red ²⁾ yell. ²⁾ green ²⁾ blue ²⁾ white clear ²⁾	B B B B B B	3SB31 11-0DA21 3SB31 11-0DA31 3SB31 11-0DA41 3SB31 11-0DA51 3SB31 11-0DA61 3SB31 11-0DA71	102 102 102 102 102 102	5			
	Selector switches with 2 switching positions									
	 <p>Illuminated pushbutton switch nsd0081g</p>	 <p>Switching sequence O-I, latching, 50° operating angle nss 00439g</p>	non-illuminated		black red green white	B B B B	3SB31 10-2KA11 3SB31 10-2KA21 3SB31 10-2KA41 3SB31 10-2KA61	102 102 102 102	5	
			illuminated incl. holder for 3 elements		red yellow green blue clear	B B B B B	3SB31 11-2KA21 3SB31 11-2KA31 3SB31 11-2KA41 3SB31 11-2KA51 3SB31 11-2KA71	102 102 102 102 102		
			Selector switches with 2 switching positions							
 <p>Selector switch nsd0084g</p>			 <p>Switching sequence O-I, non-latching (return from the right), 50° operating angle nss 00438g</p>	non-illuminated		black red green white	B B B B	3SB31 10-2LA11 3SB31 10-2LA21 3SB31 10-2LA41 3SB31 10-2LA61	102 102 102 102	5
				illuminated incl. holder for 3 elements		red yellow green blue clear	B B B B B	3SB31 11-2LA21 3SB31 11-2LA31 3SB31 11-2LA41 3SB31 11-2LA51 3SB31 11-2LA71	102 102 102 102 102	
				Selector switches with 3 switching positions						
	 <p>Illuminated selector switch nsd0085g</p>	 <p>Switching sequence I-O-II, latching, 2 x 50° operating angle nss 00448g</p>		non-illuminated		black red green white	B B B B	3SB31 10-2DA11 3SB31 10-2DA21 3SB31 10-2DA41 3SB31 10-2DA61	102 102 102 102	5
				illuminated incl. holder for 3 elements		red yellow green blue clear	B B B B B	3SB31 11-2DA21 3SB31 11-2DA31 3SB31 11-2DA41 3SB31 11-2DA51 3SB31 11-2DA71	102 102 102 102 102	
				 <p>Switching sequence I-O-II, non-latching (return from the right and left), 2 x 50° operating angle nss 00445g</p>	non-illuminated		black red green white	B B B B	3SB31 10-2EA11 3SB31 10-2EA21 3SB31 10-2EA41 3SB31 10-2EA61	102 102 102 102
illuminated incl. holder for 3 elements			red yellow green blue clear		B B B B B	3SB31 11-2EA21 3SB31 11-2EA31 3SB31 11-2EA41 3SB31 11-2EA51 3SB31 11-2EA71	102 102 102 102 102			
 <p>Switching sequence I-O-II, latching to the right, non-latching to the left (return from the left), 2 x 50° operating angle nss 00446g</p>			non-illuminated³⁾		black red green white	B B B B	3SB31 10-2GA11 3SB31 10-2GA21 3SB31 10-2GA41 3SB31 10-2GA61	102 102 102 102	5	
			non-illuminated³⁾		black red green white	B B B B	3SB31 10-2FA11 3SB31 10-2FA21 3SB31 10-2FA41 3SB31 10-2FA61	102 102 102 102	5	

1) Also available without holder. When ordering, append “-Z” to the order number and specify code “B01”.

2) Inscription by inserting a label is possible.





3) Also available as illuminated selector switch. Append “-Z” to the order number and specify “illuminated selector switch” and the colour in plain text.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, □ Square Programme, 26 mm × 26 mm

Key operated switches

Selection and ordering data

Version	Type	Lock No./ colour	Key remov- able in position	DT	Order No.	Price	PG	Weight approx.	Pack
						1 unit		kg	Unit
<i>including holder¹⁾</i>									
Key operated switches with 2 keys and 2 switching positions									
RONIS key operated switch  nsd0086g	 Switching sequence O-I, latching, 50° operating angle nss 00444g	RONIS SB 30 flat	O+I O I	B B B	3SB31 10-4AD11 3SB31 10-4AD01 3SB31 10-4AD21	102 102 102		0.075	1
		CES SSG 10	O+I O I	B B B	3SB31 10-4LD11 3SB31 10-4LD01 3SB31 10-4LD21	102 102 102		0.126	1
		LSG 1	O	B	3SB31 10-4LF11	102			
	IKON 360012 K1	O	B	3SB31 10-5LD01	102		0.131	1	
	BKS 1 NO	O+I O	B B	3SB31 10-5AD11 3SB31 10-5AD01	102 102		0.126	1	
	E1 for VW ²⁾	O+I	B	3SB31 10-5AE01	102				
	E2 for VW ²⁾	O	B	3SB31 10-5AE31	102				
	E7 for VW ²⁾	O+IO O	B B	3SB31 10-5AE41 3SB31 10-5AE51	102 102				
	E9 for VW ²⁾	O	B	3SB31 10-5AE71	102				
	O.M.R. ³⁾	73038 light blue	O+I O	B B	3SB31 10-3AG11 3SB31 10-3AG01	102 102		0.117	1
	73037 red	O+I O	B B	3SB31 10-3AH11 3SB31 10-3AH01	102 102				
	73034 black	O+I O	B B	3SB31 10-3AJ11 3SB31 10-3AJ01	102 102				
	73033 yellow	O+I O	B B	3SB31 10-3AK11 3SB31 10-3AK01	102 102				
O.M.R. key operated switch  nsd0088g	 Switching sequence O-I, non-latching (return from the right), 50° operating angle nss 00441g	RONIS SB 30 flat	O	B	3SB31 10-4BD01	102		0.075	1
		CES SSG 10	O	B	3SB31 10-4MD01	102		0.126	1
		IKON 360012 K1	O	B	3SB31 10-5MD01	102		0.131	1
		BKS 1 NO	O	B	3SB31 10-5BD01	102		0.126	1
		O.M.R. ³⁾	73034 black	O	B	3SB31 10-3BJ01	102		0.117

For special designs, see page 9/29.

1) Also available without holder. When ordering, append “-Z” to the order number and specify code “B01”.

2) Supplied without the key.








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

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, □ Square Programme, 26 mm × 26 mm

Key operated switches

Selection and ordering data

Version	Type	Lock No./ colour	Key remov- able in position	DT	Order No.	Price	PG	Weight approx.	Pack
						1 unit		kg	Unit
<i>including holder¹⁾</i>									
RONIS key operated switch									
 <p>nsd0086g</p>	Key operated switches with 2 keys and 3 switching positions								
	 <p>Switching sequence I-O-II, latching, 2 x 50° operating angle nss 00448g</p>	RONIS flat	SB 30	I+O+II O I+II	B B B	3SB31 10-4DD11 3SB31 10-4DD01 3SB31 10-4DD41	102 102 102	0.075	1
		CES	SSG 10	I+O+II O	B B	3SB31 10-4PD11 3SB31 10-4PD01	102 102	0.126	1
		O.M.R. ²⁾	73037 red 73034 black	O I+O+II O	B B B	3SB31 10-3DH01 3SB31 10-3DJ11 3SB31 10-3DJ01	102 102 102	0.117	1
CES key operated switch									
 <p>nsd0566g</p>	 <p>Switching sequence I-O-II, non-latching (return from the right and left), 2 x 50° operating angle nss 00445g</p>	RONIS flat	SB 30	O	B	3SB31 10-4ED01	102	0.075	1
		CES	SSG 10	O	B	3SB31 10-4QD01	102	0.126	1
		IKON	360012 K1	O	B	3SB31 10-5QD01	102	0.131	1
 <p>nsd0088g</p>	 <p>Switching sequence I-O-II, latching to the right, non-latching to the left (return from the left), 2 x 50° operating angle nss 00446g</p>	CES	SSG 10	O	B	3SB31 10-4SD01	102	0.075	1
	 <p>Switching sequence I-O-II, latching to the left, non-latching to the right (return from the right), 2 x 50° operating angle nss 00447g</p>	RONIS flat	SB 30	O	B	3SB31 10-4FD01	102	0.075	1
	CES	SSG 10	O+I	B	3SB31 10-4RD51	102	0.126	1	
	BKS	1 NO	I	B	3SB31 10-5FD21	102	0.126	1	

For special designs, see page 9/29.

1) Also available without holder. When ordering, append “-Z” to the order number and specify code “B01”.








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

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, □ Square Programme, 26 mm × 26 mm


EMERGENCY-STOP mushroom pushbuttons

Selection and ordering data

Version	Colour of actuator, key withdrawable in position	DT	Order No.	Price	PG	Weight approx.	Pack
				1 unit		kg	Unit
<i>EMERGENCY-STOP command devices according to EN 418, including holder^{1) 2)}, can also be used with 3TK28 contactor safety combinations (see Section 8)</i>							
EMERGENCY-STOP mushroom pushbutton  nsd0089g	Mushroom pushbutton, Ø 40 mm, with positive latching unlatching when turned to the left	red		B	3SB31 10-1HA20	102	0.044 5
	Mushroom pushbutton, Ø 40 mm, with positive latching function, with RONIS lock Lock No. SB 30, supplied with 2 keys, unlatching only by using the key	red ON/OFF		B	3SB31 10-1BA20	102	0.1 1
EMERGENCY-STOP mushroom pushbutton with lock  nsd0090g	Mushroom pushbutton, Ø 40 mm, with positive latching function, with CES lock Lock No. SSG 10, supplied with 2 keys, unlatching only by using the key	red ON/OFF		B	3SB31 10-1KA20	102	0.1 1
	Mushroom pushbutton, Ø 40 mm, with positive latching function, with BKS lock Lock No. S1, supplied with 2 keys, unlatching only by using the key	red ON/OFF		B	3SB31 10-1LA20	102	0.1 1
	Mushroom pushbutton, Ø 40 mm, with positive latching function, with O.M.R. lock Lock No. 73037, supplied with 2 keys, unlatching only by using the key	red ON/OFF		B	3SB31 10-1MA20	102	0.1 1

Indicator lights

Selection and ordering data

Version	Colour of lens	DT	Order No.	Price	PG	Weight approx.	Pack
				1 unit		kg	Unit
Indicator light  nsd0091g	Indicator light <i>including holder¹⁾</i>			B	3SB31 11-6AA20	102	0.017 5
	red		B	3SB31 11-6AA30	102		
	yellow		B	3SB31 11-6AA40	102		
	green		B	3SB31 11-6AA50	102		
	blue		B	3SB31 11-6AA60	102		
	white		B	3SB31 11-6AA70	102		
clear		B	3SB31 11-6AA70	102			

1) Also available without holder. When ordering, append “-Z” to the order number and specify code “B01”.

2) The yellow backing plate must be ordered separately; see page 9/57.