

Program overview

SIRIUS commanding and signaling devices



SIRIUS

Answers for industry.

SIEMENS

Simple and fulltime control:

SIRIUS commanding and signaling devices



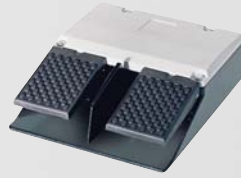
Increasingly complex machines and processes entail rising risk potentials and aggravated safety requirements. This necessitates a seamless dialog between man and machine in order to signal fault sources and interference factors in time and to safely stop machines and systems in case of danger. These tasks are perfectly mastered by our SIRIUS® commanding and signaling devices. From pushbuttons to indicator lights, foot switches, two-hand operation consoles and cable-operated switches, down to signaling columns and integrated signal lamps – we offer a full-range portfolio of solutions which facilitate competent control over all situations and thus ensure the reliable protection of persons and machines.

Commanding and signaling:

Our portfolio at a glance



	3SB command and signaling devices		
	3SB pushbuttons and indicator lights	3SB3 housing	3SB38 two-hand operation console
Description	Indicator lights, pushbuttons, key-operated switches, illuminated pushbuttons, EMERGENCY STOP mushroom pushbuttons, contact blocks and lamp sockets, switches with rotary knobs	Encapsulated pushbuttons, indicator lights, EMERGENCY STOP enclosures, also customized enclosures available upon request	Two-hand operator consoles, including EMERGENCY STOP and 2 mushroom pushbuttons, additional commanding devices can be installed
Version	Molded plastic or metal, round, 22 mm diameter and square 26 x 26 mm	Molded plastic and metal	Molded plastic and metal
Mounting/connection	Can be installed by one person without any special tools, the actuators can be equipped in a modular fashion with contact block and lamp sockets. Screw connections, Cage-Clamp terminals, solder pins	Base or front-panel mounting	Can be mounted to a panel, wall, stand or directly in the plant, screw connection
Degree of protection	IP66/IP67 (molded plastic) and IP67 and NEMA4 (metal)	IP65/IP67 (metal)	IP65
Certification	UL, CSA, CE, BG (3SB3 EMERGENCY STOP)	UL, CSA, CE, BG (3SB3 EMERGENCY STOP)	EN 574, DIN 24980
Relevant Standards	IEC/EN 60947-1; IEC/EN 60947-5-1; IEC/EN 60947-5-5;		
AS-Interface	Fast and easy connection to AS-Interface; optional direct connection of EMERGENCY-STOP devices via standard AS-Interface with safety-oriented communication	Enclosure with integrated AS-Interface. Standard commanding devices and EMERGENCY STOP can be connected in one enclosure. Modular design	Metal consoles can be retrofitted with the safety-related AS-Interface
Safety	EMERGENCY-STOP mushroom pushbuttons are employed for the disconnection of systems in case of danger	EMERGENCY STOP function with latching according to EN 418	EMERGENCY STOP function with latching according to ISO 13850
Options	<ul style="list-style-type: none"> • Online configurator for customized enclosures: www.siemens.com/sirius-commanding • Automatic labeling by means of Label Designer: www.siemens.com/sirius-label-designer (see page 14 for labels for self-labeling) 		



3SE commanding devices		8WD signaling devices	
3SE7 cable-operated switches	3SE29 foot-operated switches	8WD4 signaling columns	8WD5 integrated lamps
System consisting of switch and cable. With and without latching. LED position display with extremely high illumination	Foot-operated command devices with either 1 or 2 pedals, with and without protective cover, either momentary or latching contacts	Optionally with continuous, repeated-flash, rotating or single-flash, buzzer, siren and LED elements	Steady light, with incandescent lamp or LED; flash-type light and rotating light
Metal	Molded plastic and metal	50/70 mm diameter	Thermo-plastic enclosure, 70 mm diameter
Screw connection	Screw connection	Simple to mount and install and change lamps without tools. Base/floor, pipe, angled bracket, single-hole mounting. Connected up using Cage-Clamp terminals or screw terminals	Retained using a PG-29 threaded socket with nut. Screw connection
IP65/IP67	IP65	IP65 (70 mm diameter)	IP65
UL, CSA, CE	UL, CSA, CE	UL, CSA, CE	UL, CSA, CE
In acc. with ISO 13489-1; up to Performance Level e (EN 954-1, up to Cat. 4) EMERGENCY-STOP in acc. with ISO 13850 (EN 418)	Positively opening contacts in compliance with IEC 60947-5-1	IEC 60947-5-1	IEC 60947-5-1
Version with ASIsafe adapter	With conventional wiring, via the K45F safety module, K60F can be connected to ASIsafe	The 8WD4 signaling columns can be directly connected to the AS-Interface bus system through an integrated adapter element	
EMERGENCY STOP function with latching according to ISO 13850	Safety foot-operated switch with latching according to ISO 13850		
Visibility of the signal display over 50 m with innovative LED technology	Safe locking also with operation beyond the pivot point	<ul style="list-style-type: none"> Flexibly combinable modules; stackable as required Signal and acoustic elements with variably adjustable sound and volume 	

Pushbuttons and indicator lights

SIRIUS pushbuttons and indicator lights 3SB3 offer maximum functionality. The devices feature a modern and flat design and are available both in plastic and metal. They are characterized by optimum ease of mounting: Whether actuator, indicator, support or switching and light elements – all components can be safely, rapidly and ruggedly mounted by a single person with only a few flicks of the wrist. Depending on the requirements, integration is realized via conventional industrial controls or via AS-Interface.



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Cable-operated switches

Perfectly matched to your requirements: Our SIRIUS cable-operated switches 3SE7 can be employed for the monitoring of hazardous areas or as EMERGENCY-STOP device. Yet, they have more to offer: The complete devices in metal enclosure are for example available with two-side operation for long distances of up to 2 x 75 m or as belt misalignment devices for belt conveyor monitoring. Connection is possible via standard AS-Interface with safety-oriented communication. Optionally, also LED technology or cable-operated switches with an integrated EMERGENCY-STOP pushbutton can be used.



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Signaling columns and integrated signal lamps

SIRIUS signaling columns and integrated signal lamps 8WD are the ideal solution when it comes to the safe control of complex and fast processes. The modular devices are flexibly applicable and accommodate visual and acoustic warning elements such as continuous light, flashlight, LED or siren. Thanks to their robust design and high degree of protection, the devices are resistant to shock and vibration and are fully communication-capable via AS-Interface. Connection to AS-Interface is realized via an adapter module which allows for the plug-on connection of up to three light elements. Diagnostics are indicated via an LED status display.



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Innovative and comfortable:

SIRIUS pushbuttons and indicator lights 3SB3



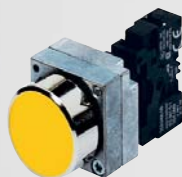
The advantages at a glance

- Fast and safe one-man mounting
- Floor or front plate mounting (also with incandescent lamp, LED or integrated LED)
- Easy connection with only one tool
- Rugged metal version with high degree of protection IP67
- Manifold versions with screw-type, spring-loaded or solder pin connection system
- Automatic labeling via SIRIUS Label Designer
- AS-Interface integration
- Direct connection to ASIsafe
- Direct connection to yellow profile cable
- Online configurator for selection of completely mounted, customized enclosures (www.siemens.com/sirius-commanding)

SIRIUS pushbuttons and indicator lights offer maximum functionality. The devices, which are both available in plastic and metal, not only feature a modern and flat design, but also support minimum mounting times. Only one screwdriver and few flicks of the wrist are required for the safe and stable fastening of all components. With spatially separate controls, pushbuttons and indicator lights in enclosures serve as manual commanding devices. They are available as version with conventional industrial controls or for connection to the AS-Interface bus system.

Complete units – pushbuttons and indicator lights

Round, molded-plastic 3SB3□...-.....
 Round, metal 3SB3□...-.....
 Square, molded-plastic 3SB3□...-.....



Pushbutton		Illuminated pushbutton	
with flat button, equipped with	equipped with	with flat button, equipped with	equipped with
● 1NC 3SB3□03-0AA11	● 1NO + 1NC 3SB3□01-0AA11	● 1NC + BA 9s 3SB3□07-0AA21	● 1NO + 1NC + BA 9s 3SB3□05-0AA21
● 1NO 3SB3□02-0AA11	● 1NO + 1NC 3SB3□01-0AA21	● 1NO + BA 9s 3SB3□06-0AA31	● 1NO + 1NC + BA 9s 3SB3□05-0AA31
● 1NC 3SB3□03-0AA21	● 1NO + 1NC 3SB3□01-0AA31	● 1NO + BA 9s 3SB3□06-0AA41	● 1NO + 1NC + BA 9s 3SB3□05-0AA41
● 1NO 3SB3□02-0AA31	● 1NO + 1NC 3SB3□01-0AA41	● 1NO + BA 9s 3SB3□06-0AA51	● 1NO + 1NC + BA 9s 3SB3□05-0AA51
● 1NO 3SB3□02-0AA41	● 1NO + 1NC 3SB3□01-0AA51	○ 1NO + BA 9s 3SB3□06-0AA61	○ 1NO + 1NC + BA 9s 3SB3□05-0AA61
● 1NO 3SB3□02-0AA51	○ 1NO + 1NC 3SB3□01-0AA61	○ ^{clear} 1NO + BA 9s 3SB3□06-0AA71	○ ^{clear} 1NO + 1NC + BA 9s 3SB3□05-0AA71
○ 1NO 3SB3□02-0AA61			

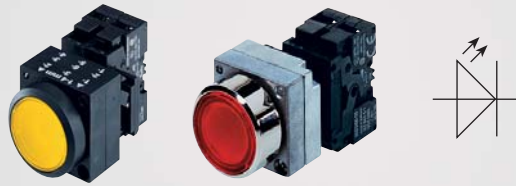


EMERGENCY STOP mushroom pushbuttons	Mushroom-shaped push-pull switch	Knob	
with positive latching function according to IS 13850, Ø 40 mm latching, with yellow backing plate Ø 80 mm with rotate-to-unlatch mechanism	diameter 40 mm, maintained-contact type, equipped with	2 switch positions, maintained-contact type, equipped with	
● 1NC 3SB3□03-1HA20	● 1NC 3SB3□03-1CA21 ¹⁾	● 1NO 3SB3□02-2KA11 ¹⁾	● 1NO, 1NO 3SB3□10-2DA11 ¹⁾
● 1NO + 1NC 3SB3□01-1HA20	● 1NO + 1NC 3SB3□01-1CA21 ¹⁾	● 1NO + 1NC 3SB3□01-2KA11 ¹⁾	● 1NO + 1NC, 1NO + 1NC 3SB3□08-2DA11 ¹⁾
with pull release		Heavy-duty knob	Heavy-duty knob
● 1NC 3SB36 03-1TA20		● 1NO 3SB36 02-2PA11	● 1NO, 1NO 3SB36 10-2SA11
● 1NO + 1NC 3SB36 01-1TA20		● 1NO + 1NC 3SB36 01-2PA11	● 1NO + 1NC, 1NO + 1NC 3SB36 08-2SA11
			momentary-contact type
			● 1NO, 1NO 3SB3□10-2EA11 ¹⁾
			● 1NO + 1NC, 1NO + 1NC 3SB3□08-2EA11 ¹⁾
			Heavy-duty knob
			● 1NO, 1NO 3SB36 10-2TA11
			● 1NO + 1NC, 1NO + 1NC 3SB36 08-2TA11

1) This version is not available as square 3SB33

Complete units – pushbuttons and indicator lights

Round, molded-plastic 3SB3□...-.....
 Round, metal 3SB3□...-.....
 Square, molded-plastic 3SB3□...-.....



Illuminated pushbutton with integrated, super-bright LED

with flat button, operating voltage 24 V AC, with integrated LED, equipped with	equipped with	with flat button, operating voltage 230 V AC, with integrated LED, equipped with	equipped with
● 1NC + LED 3SB3□46-0AA21	● 1NO + 1NC + LED 3SB3□47-0AA21	● 1NC + LED 3SB3□54-0AA21	● 1NO + 1NC + LED 3SB3□55-0AA21
● 1NO + LED 3SB3□45-0AA31	● 1NO + 1NC + LED 3SB3□47-0AA31	● 1NO + LED 3SB3□53-0AA31	● 1NO + 1NC + LED 3SB3□55-0AA31
● 1NO + LED 3SB3□45-0AA41	● 1NO + 1NC + LED 3SB3□47-0AA41	● 1NO + LED 3SB3□53-0AA41	● 1NO + 1NC + LED 3SB3□55-0AA41
● 1NO + LED 3SB3□45-0AA51	● 1NO + 1NC + LED 3SB3□47-0AA51	● 1NO + LED 3SB3□53-0AA51	● 1NO + 1NC + LED 3SB3□55-0AA51
○ 1NO + LED 3SB3□45-0AA61	○ 1NO + 1NC + LED 3SB3□47-0AA61	○ 1NO + LED 3SB3□53-0AA61	○ 1NO + 1NC + LED 3SB3□55-0AA61
⊙ 1NO + LED 3SB3□45-0AA71	⊙ 1NO + 1NC + LED 3SB3□47-0AA71	⊙ 1NO + LED 3SB3□53-0AA71	⊙ 1NO + 1NC + LED 3SB3□55-0AA71



RONIS safety lock	Indicator light			Acoustic annunciator, IP65
flat, 2 switching positions, maintained-contact type, with key which can be withdrawn in any position, Lock No. SB30, equipped with	equipped with BA 9s:	operating voltage 24 V AC, with integrated LED, equipped with LED:	operating voltage 230 V AC, with integrated LED, equipped with LED:	continuous tone (2.4 kHz), operating current min. 10 mA, min. sound pressure level 80 dB/10 cm, operating voltage
● 1NO 3SB3 02-AD11 ¹⁾	● 3SB3□04-BA20 ¹⁾²⁾	● 3SB3□44-6BA20 ¹⁾²⁾	● 3SB3□52-6BA20 ¹⁾²⁾	● 24 V AC/DC 3SB32 33-7BA10
● 1NO + 1NC 3SB3 01-AD11 ¹⁾	● 3SB3□04-6BA30 ¹⁾²⁾	● 3SB3□44-6BA30 ¹⁾²⁾	● 3SB3□52-6BA30 ¹⁾²⁾	● 115 V AC/DC 3SB32 34-7BA10
	● 3SB3□04-6BA40 ¹⁾²⁾	● 3SB3□44-6BA40 ¹⁾²⁾	● 3SB3□52-6BA40 ¹⁾²⁾	● 230 V AC/DC 3SB32 35-7BA10
	● 3SB3□04-6BA50 ¹⁾²⁾	● 3SB3□44-6BA50 ¹⁾²⁾	● 3SB3□52-6BA50 ¹⁾²⁾	
	○ 3SB3□04-6BA60 ¹⁾²⁾	○ 3SB3□44-6BA60 ¹⁾²⁾	○ 3SB3□52-6BA60 ¹⁾²⁾	
	⊙ 3SB3□04-6BA70 ¹⁾²⁾	⊙ 3SB3□44-6BA70 ¹⁾²⁾	⊙ 3SB3□52-6BA70 ¹⁾²⁾	

1) This version is not available as square 3SB33

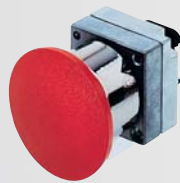
2) These versions are also available in round and square plastic design also with a smooth lens. The Order No. should be changed to 3SB3...-6BA..., e.g. 3SB3204-6BA20 for a round plastic indicator light with BA 9s lamp holder with smooth red lens.


Actuating elements with holder

Round, molded-plastic 3SB3□□-.....
 Round, metal 3SB3□□-.....
 Square, molded-plastic 3SB3□-.....



Pushbutton	Pushbutton	Pushbutton	Pushbutton	Pushbutton
with flat button	with raised button	with raised button, maintained-contact type	with raised front ring	with raised front ring, with castellations
● 3SB3□□0-0AA11	● 3SB3□□0-0BA11 ¹⁾	● 3SB3000-0CA11	● 3SB3□□0-0AA12	● 3SB3□□0-0AA13 ²⁾
● 3SB3□□0-0AA21	● 3SB3□□0-0BA21 ¹⁾	● 3SB3000-0CA21	● 3SB3□□0-0AA22	● 3SB3□□0-0AA23
● 3SB3□□0-0AA31	● 3SB3□□0-0BA31 ¹⁾		● 3SB3□□0-0AA32 ¹⁾	● 3SB3□□0-0AA33 ²⁾
● 3SB3□□0-0AA41	● 3SB3□□0-0BA51 ¹⁾		● 3SB3□□0-0AA42	● 3SB3□□0-0AA43 ²⁾
● 3SB3□□0-0AA51	● 3SB3□□0-0BA61 ¹⁾		● 3SB3□□0-0AA52 ¹⁾	
○ 3SB3□□0-0AA61			○ 3SB3□□0-0AA62	
○ 3SB3□□0-0AB51 ¹⁾				
○ 3SB3□□0-0AA71				
● 3SB3□□0-0AA81 ¹⁾				
● 3SB3□□0-0AB01 ¹⁾				
○ 3SB3□□0-0AB11 ¹⁾				
● 3SB3□□0-0AB21 ¹⁾				
● 3SB3□□0-0AC81 ¹⁾				





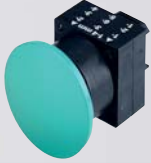







Illuminated mushroom-shaped pushbutton	Push-pull switch	Push-pull switch	EMERGENCY STOP mushroom pushbutton	EMERGENCY STOP mushroom pushbutton	
(incl. holder to snap on elements)	maintained-contact type	illuminated (incl. holder to snap on elements)	with positive latching function according to ISO 13850, latching, rotate-to-unlatch mechanism	with positive latching function according to ISO 13850, latching, pull-to-unlatch mechanism	
diameter 30 mm	diameter 30 mm	diameter 30 mm	diameter 32 mm	diameter 40 mm	
● 3SB3□□1-1DA31 ¹⁾	● 3SB3□□0-1EA11 ¹⁾	● 3SB3□□1-1EA21 ¹⁾	● 3SB3□□0-1FA20 ¹⁾	● 3SB3□□0-1TA20	
● 3SB3□□1-1DA41 ¹⁾	● 3SB3□□0-1EA21 ¹⁾	● 3SB3□□1-1EA31 ¹⁾	diameter 40 mm		
○ 3SB3□□1-1DA61 ¹⁾	diameter 40 mm	● 3SB3□□1-1EA41 ¹⁾	● 3SB3□□0-1HA20		
diameter 40 mm	● 3SB3□□0-1CA11 ¹⁾	● 3SB3□□1-1EA51 ¹⁾	diameter 60 mm		
● 3SB3□□1-1GA31 ¹⁾	● 3SB3□□0-1CA21 ¹⁾	○ 3SB3□□1-1EA71 ¹⁾	● 3SB3□□0-1AA20 ¹⁾		
● 3SB3□□1-1GA41 ¹⁾	diameter 60 mm	diameter 40 mm			
○ 3SB3□□1-1GA61 ¹⁾	● 3SB35 00-1RA11	● 3SB3□□ 1-1CA21 ¹⁾			
diameter 60 mm	● 3SB35 00-1RA21	● 3SB3□□ 1-1CA311)		EMERGENCY STOP mushroom pushbutton	
● 3SB35 01-1QA31		● 3SB3□□ 1-1CA41 ¹⁾		with switch position indication	
● 3SB35 01-1QA41		● 3SB3□□ 1-1CA51 ¹⁾		diameter 40 mm	
○ 3SB35 01-1QA61		○ 3SB3□□ 1-1CA71 ¹⁾		● 3SB3□□0-1HA26 ^{1) 3)}	
		diameter 60 mm			
		● 3SB35 01-1RA21			
		● 3SB35 01-1RA31			
		● 3SB35 01-1RA41			
		● 3SB35 01-1RA51			
		○ 3SB35 01-1RA71			

1) This version is not available as square 3SB33 2) This version is not available as round, metal 3SB35 3) Version with mechanical switch position indicator on the front

Actuating elements with holder

Round, molded-plastic 3SB3□□-.....
 Round, metal 3SB3□□-.....
 Square, molded-plastic 3SB3□□-.....






				
Illuminated pushbutton	Illuminated pushbutton	Pushbutton	Illuminated pushbutton	Mushroom-shaped pushbutton
with flat button (including holder to snap on elements)	with raised button (including holder to snap on elements)	maintained-contact type with flat button, released by pressing again	maintained-contact type with flat button, including holder for 3 elements, released by pressing again	diameter 30 mm
● 3SB3□□1-0AA21	● 3SB3□□1-0BA21 ¹⁾	● 3SB3□□0-0DA11	● 3SB3□□1-0DA21	● 3SB3□□0-1DA11 ¹⁾
● 3SB3□□1-0AA31	● 3SB3□□1-0BA31 ¹⁾	● 3SB3□□0-0DA21	● 3SB3□□1-0DA31	● 3SB3□□0-1DA21 ¹⁾
● 3SB3□□1-0AA41	● 3SB3□□1-0BA41 ¹⁾	● 3SB3□□0-0DA31	● 3SB3□□1-0DA41	● 3SB3□□0-1DA31 ¹⁾
● 3SB3□□1-0AA51	● 3SB3□□1-0BA51 ¹⁾	● 3SB3□□0-0DA41	● 3SB3□□1-0DA51	● 3SB3□□0-1DA41 ¹⁾
● 3SB3□□1-0AA61	● 3SB3□□1-0BA61 ¹⁾	● 3SB3□□0-0DA51	● 3SB3□□1-0DA61	diameter 40 mm
● 3SB3□□1-0AA71	● 3SB3□□1-0BA71 ¹⁾	● 3SB3□□0-0DA61	● 3SB3□□1-0DA71	● 3SB3□□0-1GA11 ¹⁾
		● 3SB3□□0-0DB51 ¹⁾		● 3SB3□□0-1GA21 ¹⁾
				● 3SB3□□0-1GA31 ¹⁾
				● 3SB3□□0-1GA41 ¹⁾
				diameter 60 mm
				● 3SB3□□0-1QA11 ¹⁾
				● 3SB3□□0-1QA21 ¹⁾
				● 3SB3□□0-1QA31 ¹⁾
				● 3SB3□□0-1QA41 ¹⁾






				
EMERGENCY STOP mushroom pushbutton	Knob	Knob	Illuminated knob	Illuminated knob
with positive latching function according to ISO 13850, Ø 40 mm, with snap action, latching with safety lock, key release	2 switch positions 0-I maintained-contact type/ 0-I momentary-contact type	3 switch positions I-0-II maintained-contact type/ I-0-II momentary-contact type	2 switch positions 0-I maintained-contact type/ 0-I momentary-contact type (incl. holder to snap on elements)	3 switch positions I-0-II maintained-contact type/ I-0-II momentary-contact type (incl. holder to snap on elements)
RONIS	● 3SB3□□0-2KA11/ 3SB3□□0-2LA11	● 3SB3□□0-2DA11/ 3SB3□□0-2EA11	● 3SB3□□1-2KA21/ 3SB3□□1-2LA21	● 3SB3□□1-2DA21/ 3SB3□□1-2EA21
● 3SB3□□0-1BA20	● 3SB3□□0-2KA21/ 3SB3□□0-2LA21	● 3SB3□□0-2DA21/ 3SB3□□0-2EA21	● 3SB3□□1-2KA31/ 3SB3□□1-2LA31	● 3SB3□□1-2DA31/ 3SB3□□1-2EA31
CES	● 3SB3□□0-2KA41/ 3SB3□□0-2LA41	● 3SB3□□0-2DA41/ 3SB3□□0-2EA41	● 3SB3□□1-2KA41/ 3SB3□□1-2LA41	● 3SB3□□1-2DA41/ 3SB3□□1-2EA41
● 3SB3□□0-1KA20	● 3SB3□□0-2KA61/ 3SB3□□0-2LA61	● 3SB3□□0-2DA61/ 3SB3□□0-2EA61	● 3SB3□□1-2KA51/ 3SB3□□1-2LA51	● 3SB3□□1-2DA51/ 3SB3□□1-2EA51
BKS	● 3SB3□□0-1LA20		● 3SB3□□1-2KA71/ 3SB3□□1-2LA71	● 3SB3□□1-2DA71/ 3SB3□□1-2EA71
OMR			● 3SB3□□1-2KA71/ 3SB3□□1-2LA71	
● 3SB3□□0-1MA20	Heavy-duty knob	Heavy-duty knob	Heavy-duty knob	Heavy-duty knob
IKON	● 3SB3500-2PA11/ 3SB3500-2QA11	● 3SB3500-2SA11/ 3SB3500-2TA11	● 3SB3501-2PA21/ 3SB3501-2QA21	● 3SB3501-2SA21/ 3SB3501-2TA21
● 3SB3500-1UA20	● 3SB3500-2PA21/ 3SB3500-2QA21	● 3SB3500-2SA21/ 3SB3500-2TA21	● 3SB3501-2PA31/ 3SB3501-2QA31	● 3SB3501-2SA31/ 3SB3501-2TA31
	● 3SB3500-2PA41/ 3SB3500-2QA41	● 3SB3500-2SA41/ 3SB3500-2TA41	● 3SB3501-2PA41/ 3SB3501-2QA41	● 3SB3501-2SA41/ 3SB3501-2TA41
	● 3SB3500-2PA61/ 3SB3500-2QA61	● 3SB3500-2SA61/ 3SB3500-2TA61	● 3SB3501-2PA51/ 3SB3501-2QA51	● 3SB3501-2SA51/ 3SB3501-2TA51
			● 3SB3501-2PA71/ 3SB3501-2QA71	● 3SB3501-2SA71/ 3SB3501-2TA71






1) This version is not available as square 3SB33

Actuator and indicator elements with holders

Round, molded-plastic 3SB3□□□-.....
 Round, metal 3SB3□□□-.....
 Square, molded-plastic 3SB3□□□-.....

																																																													
RONIS safety lock	CES safety lock	IKON safety lock	BKS safety lock	OMR safety lock																																																									
flat, Lock No. SB30 ³⁾	Lock No. SSG10 ³⁾	Lock No. 360012K1	Lock No. S1 ³⁾	light blue, Lock No. 73038 ³⁾																																																									
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OMR safety lock	OMR safety lock	OMR safety lock	Indicator light	Indicator light																																																			
red, Lock No. 73037 ³⁾	black, Lock No. 73034	yellow, Lock No. 73033	smooth	with concentric rings																																																			
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Acoustic annunciator, IP40	Twin pushbutton unit	Indicator light	Indicator light	Indicator light																								
with 24 V DC acoustic transducer	with flat buttons, degree of protection IP65	with indicator light, with flat buttons, degree of protection IP65, incl. transformer for 3 elements	with one flat button and one raised button, degree of protection IP65	with indicator light, with one flat button and one raised button, degree of protection IP65, incl. holder for 3 elements																								
3SB30 00-7AA10	<table border="0"> <tr><td>●</td><td>3SB31 00-8AC21</td></tr> <tr><td>○</td><td>3SB31 00-8AC31</td></tr> <tr><td>●</td><td></td></tr> </table>	●	3SB31 00-8AC21	○	3SB31 00-8AC31	●		<table border="0"> <tr><td>●</td><td>3SB31 01-8BC21</td></tr> <tr><td>○</td><td>3SB31 01-8BC31</td></tr> <tr><td>●</td><td></td></tr> </table>	●	3SB31 01-8BC21	○	3SB31 01-8BC31	●		<table border="0"> <tr><td>●</td><td>3SB31 00-8CC21</td></tr> <tr><td>○</td><td>3SB31 00-8CC31</td></tr> <tr><td>●</td><td></td></tr> </table>	●	3SB31 00-8CC21	○	3SB31 00-8CC31	●		<table border="0"> <tr><td>●</td><td>3SB31 01-8DC21</td></tr> <tr><td>○</td><td>3SB31 01-8DC31</td></tr> <tr><td>●</td><td></td></tr> </table>	●	3SB31 01-8DC21	○	3SB31 01-8DC31	●	
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1) 2 switch positions, maintained-contact type, 50° operating angle
 2) 2 switch positions, momentary-contact type, 50° operating angle
 3) 3 switch positions, maintained-contact type, 2 x 50° operating angle
 4) 3 switch positions, momentary-contact type, 2 x 50° operating angle

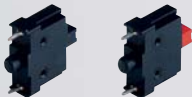


1) This version is not available in square design 2) This version is not available in round, molded-plastic design 3) Key withdrawable with position

Accessories: contact blocks and lamp holders

							
Contact blocks with screw terminals				Contact blocks with Cage-Clamp terminals			
for front-panel mounting				for front-panel mounting			
1NO 3SB34 00-0B	1NC 3SB34 00-0C	1NO + 1NC 3SB34 00-0A	2NO 3SB34 00-0D	1NO 3SB34 03-0B	1NC 3SB34 03-0C	1NO + 1NC 3SB3403-0A	2NC 3SB3403-0E
	1NC 3SB34 00-0M (with mounting monitoring)	1NO leading + 1NC delayed 3SB34 00-0H	2NC 3SB34 00-0E		1NC 3SB34 03-0M (with mounting monitoring)	2NO 3SB3403-0D	1NO leading + 1NC delayed 3SB3403-0H

							
Lamp holder with integrated LED and screw terminals			Lamp holder with integrated LED and Cage-Clamp terminals				
	24 V AC/DC	120 V AC	230 V AC		24 V AC/DC	120 V AC	230 V AC
	3SB3400-1PA	3SB3400-1QA	3SB3400-1RA		3SB3403-1PA	3SB3403-1QA	3SB3403-1RA
	3SB3400-1PB	3SB3400-1QB	3SB3400-1RB		3SB3403-1PB	3SB3403-1QB	3SB3403-1RB
	3SB3400-1PC	3SB3400-1QC	3SB3400-1RC		3SB3403-1PC	3SB3403-1QC	3SB3403-1RC
	3SB3400-1PD	3SB3400-1QD	3SB3400-1RD		3SB3403-1PD	3SB3403-1QD	3SB3403-1RD
	3SB3400-1PE	3SB3400-1QE	3SB3400-1RE		3SB3403-1PE	3SB3403-1QE	3SB3403-1RE

							
Lamp holder with screw terminals		Lamp holder with screw terminals		Lamp holder with Cage-Clamp terminals			
BA 9s with 130 V lamp operating voltage		for front-panel mounting		for front-panel mounting			
230/240 V AC 3SB34 00-1C		BA 9s 3SB34 00-1A	BA 9s with lamp 24 V AC/DC 3SB34 00-1D	BA 9s 3SB34 03-1A	BA 9s with 130 V lamp operating voltage 230/240 V 3SB34 03-1C		
110/130 V AC 3SB34 00-1B							

							
Contact blocks with solder pin		Lamp holder with solder pins		Transformers			
for PCB mounting		for PCB mounting (without lamp)		for snapping onto lamp holder 3SB34 00-1A, 50/60 Hz			
1NO 3SB34 11-0B	1NC 3SB34 11-0C	W2 x 4.6d 3SB34 11-1A		127/24 V 3SB34 00-3A	240/24 V 3SB34 00-3C	400/24 V 3SB34 00-3F	
				127/6 V 3SB34 00-3M	240/6 V 3SB34 00-3P	400/6 V 3SB34 00-3S	

Accessories: contact blocks and lamp holders for enclosures



Contact blocks with screw terminals

1NO
3SB34 20-0B

1NC
3SB34 20-0C

Contact blocks with Cage-Clamp terminals

1NO
3SB34 23-0B

1NC
3SB34 23-0C

Lamp holders with screw terminals

BA 9s
3SB34 20-1A

Operating voltage 230/240 V AC
BA 9s with integrated voltage
reducer and 130 V lamp
3SB34 20-1C



Lamp holder with integrated LED and screw terminals

	24 V AC/DC	120 V AC	230 V AC
●	3SB3420-1PA	3SB3420-1QA	3SB3420-1RA
●	3SB3420-1PB	3SB3420-1QB	3SB3420-1RB
●	3SB3420-1PC	3SB3420-1QC	3SB3420-1RC
●	3SB3420-1PD	3SB3420-1QD	3SB3420-1RD
○	3SB3420-1PE	3SB3420-1QE	3SB3420-1RE

Lamp holders with integrated LED and Cage-Clamp terminals

	24 V AC/DC	120 V AC	230 V AC
●	3SB3423-1PA	3SB3423-1QA	3SB3423-1RA
●	3SB3423-1PB	3SB3423-1QB	3SB3423-1RB
●	3SB3423-1PC	3SB3423-1QC	3SB3423-1RC
●	3SB3423-1PD	3SB3423-1QD	3SB3423-1RD
○	3SB3423-1PE	3SB3423-1QE	3SB3423-1RE



Incandescent lamps, socket BA 9s, 1.2 W, lamps in a package: 10

24 V	3SX1344
110...130 V	3SX1731

LED lamps, socket BA 9s, operating current max. 15 mA, lamps in a package: 10

	24 V AC/DC	230 V AC
●	3SB3901-1CA	3SB3901-1CF
●	3SB3901-1BA	3SB3901-1BF
●	3SB3901-1DA	3SB3901-1DF
●	3SB3901-1PA	3SB3901-1PF
○	3SB3901-1QA	3SB3901-1QF

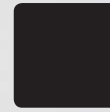
Lamps for PC-board mounting, socket wedge-base, W2 x 4.6 d, 1.0 W, lamps in a package: 10

24 V	3SB2908-1AC
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LED lamps, socket, W2 x 4.6 d, lamps in a package: 10

	24 V DC
●	3SB3901-1SB
●	3SB3901-1RB
●	3SB3901-1TB
●	3SB3901-1BD
○	3SB3901-1UB

Accessories: plates



Inscription plates (plastic, black with white lettering or silver with black lettering)

	12,5 mm x 27 mm Self-adhesive inscription plates			27 mm x 27 mm Self-adhesive inscription plates			22 mm x 22 mm Self-adhesive inscription plates		
Inscription	german	english	PKG*	german	english	PKG*	german	english	PKG*
ohne / Without	3SB3902-1AA	3SB3902-1AA	10	3SB3903-1AA	3SB3903-1AA	10	3SB3906-1AA	3SB3906-1AA	10
Ein / On	3SB3902-1AB	3SB3902-1EB	10	3SB3903-1AB	3SB3903-1EB	10	3SB3906-1AB	3SB3906-1EB	10
Aus / Off	3SB3902-1AC	3SB3902-1EC	10	3SB3903-1AC	3SB3903-1EC	10	3SB3906-1AC	3SB3906-1EC	10
Auf / Up	3SB3902-1AD	3SB3902-1ED	10	3SB3903-1AD	3SB3903-1ED	10	3SB3906-1AD	3SB3906-1ED	10
Ab / Down	3SB3902-1AE	3SB3902-1EE	10	3SB3903-1AE	3SB3903-1EE	10	3SB3906-1AE	3SB3906-1EE	10
Vor / Forward	3SB3902-1AF	3SB3902-1EF	10	3SB3903-1AF	3SB3903-1EF	10	3SB3906-1AF	3SB3906-1EF	10
Zurück / Reverse	3SB3902-1AG	3SB3902-1EG	10	3SB3903-1AG	3SB3903-1EG	10	3SB3906-1AG	3SB3906-1EG	10
Links / Left	3SB3902-1AJ	3SB3902-1EJ	10	3SB3903-1AJ	3SB3903-1EJ	10	3SB3906-1AJ	3SB3906-1EJ	10
Rechts / Right	3SB3902-1AH	3SB3902-1EH	10	3SB3903-1AH	3SB3903-1EH	10	3SB3906-1AH	3SB3906-1EH	10
Betrieb / Running	3SB3902-1AP	3SB3902-1EV	10	3SB3903-1AP	3SB3903-1EV	10	3SB3906-1AP	3SB3906-1EV	10
Störung / Fault	3SB3902-1AQ	3SB3902-1EW	10	3SB3903-1AQ	3SB3903-1EW	10	3SB3906-1AQ	3SB3906-1EW	10
O I	3SB3902-1MF	3SB3902-1MF	10	3SB3903-1MF	3SB3903-1MF	10	3SB3906-1MF	3SB3906-1MF	10

Labels that can be inscribed (white) using the SIRIUS Label Designer software

	3SB3902-2AA	480	3SB3903-2AA	480	3SB3906-2AA	700
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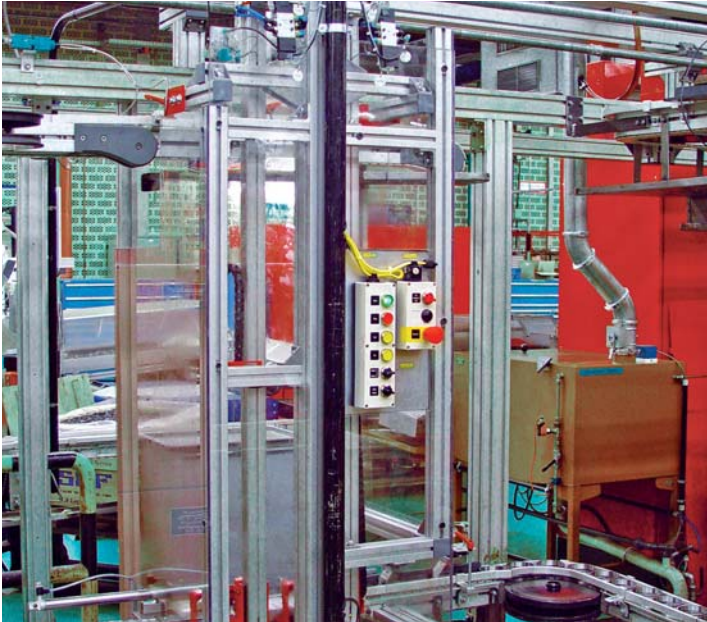


Plate holders			Holders	
for inscription plates	12,5 x 27 mm	27 x 27 mm	to snap on 3 elements, PS: 10	with pressure support elements for knob, safety lock and twin pushbutton unit to actuate the center contact block, PS: 10
for round actuators, PS: 10	3SB39 22-0AV	3SB39 23-0AV	3SB39 01-0AB	3SB39 01-0AC
for square actuators, PS: 5	3SB39 42-0AX	3SB39 43-0AX		
for twin pushbutton units, PS: 5	3SB39 22-0AY	–		



Backing plate as contrast surface for EMERGENCY STOP			Blanking plug		Protective collar	
	23 mm hole,	Cut-out 26 mm x 26 mm, outer diameter 80 mm				5 holes for padlocks, yellow, plastic
Inscription	for round version	for square version	round	3SB39 21-0AA	3SB39 21-0AK	3SB3921-0CG
No inscription	3SB3921-0AB	3SB3941-0AB	round, metal	3SB19 02-0AQ		
NOT-HALT	3SB3921-0AC	3SB3941-0AC	square	3SB39 41-0AA		
EMERGENCY STOP	3SB3921-0AD	3SB3941-0AD				
No inscription	3SB3921-0DA (illuminable)					
NOT-HALT	3SB3921-0DK (illuminable)					
EMERGENCY STOP	3SB3921-0DD (illuminable)					

PKG* = labels in a package



Connection with AS-Interface

SIRIUS commanding and signaling devices are ideally suited for networked systems in your plant or equipment. The individual components can be integrated into the AS-Interface system. The reason: In compliance with IEC 62026-2, they are fully compatible to AS-Interface components such as master, slaves, power supply, etc. – and can be operated together on the yellow AS-Interface cable. This means that Siemens supplies all of the components to configure a safety-relevant AS-Interface network.

ASIsafe, the safety-technical version of AS-Interface, allows for the integration of safety-oriented components in AS-Interface – up to Cat. 4 in accordance with (EN 95-1) DIN EN ISO 13489-1 or SIL3 in accordance with IEC 61508.

EMERGENCY STOP devices

EMERGENCY STOP devices can be directly connected using the Standard AS-Interface with safety-relevant communications. This applies to SIRIUS 3SB3 EMERGENCY STOP commanding devices. These can either be installed in the front panel or can be mounted in an enclosure. An EMERGENCY STOP device mounted in the front panel can be directly connected to AS-Interface via a safety module (F-adapter).

For ordering data, refer to chapter 9 of the LV 1 catalog.

Advantages at a glance:

- Safety-relevant and standard data on just one bus
- Neither failsafe PLC nor special master required
- Groups of safety-relevant signals can be formed
- Simple system configuration using standardized AS-Interface technology
- Existing systems can be quickly and simply expanded

Surface-mounting units; cable entry at top and bottom, 1 x M20 each
 Molded-plastic housing
 Metal housing

Housings

1 command point	1 command point	1 command point	2 command points	3 command points
green pushbutton, 1 NO, inscription plate "I" 3SB38 01-□DA3	EMERGENCY STOP mushroom pushbutton with positive latching function according to ISO 13850, 1 NC, Ø 40 mm, latching 3SB38 01-□DG3	EMERGENCY STOP mushroom pushbutton with positive latching function according to ISO 13850, 1 NC, Ø 40 mm, latching with protective collar 3SB38 01-□DF3	green pushbutton, 1 NO, inscription plate "I"; red pushbutton, 1 NC, inscription plate "O" 3SB38 02-□DA3	clear indicator light, BA 9s, blank inscription plate; green pushbutton, 1 NO, inscription plate "I"; red pushbutton, 1 NC, inscription plate "O" 3SB38 03-□DA3
red pushbutton, 1 NC, inscription plate "O" 3SB38 01-□DB3		EMERGENCY STOP mushroom pushbutton, Ø 60 mm with protective collar for 5 padlocks, metal enclosure yellow 3SB3801-2EA30-0CC0	white pushbutton, 1 NO, inscription plate "I"; black pushbutton, 1 NC, inscription plate "O" 3SB38 02-□DB3	black pushbutton, 1NO, inscription plate "II"; black pushbutton, 1 NO, inscription plate "I"; red push-button, 1 NC, inscription plate "O" 3SB38 03-□DB3
white pushbutton, 1 NO, inscription plate "I" 3SB38 01-□DD3		EMERGENCY STOP mushroom pushbutton, Ø 60 mm with protective collar for 5 padlocks, metal enclosure gray 3SB801-2EB30-0CC0		clear indicator light, BA 9s, blank inscription plate; white pushbutton, 1NO, inscription plate "I"; black pushbutton, 1NC, inscription plate "O" 3SB38 03-□DC3
black pushbutton, 1 NC, inscription plate "O" 3SB38 01-□DE3				
1 to 6 command points				
Pendant pushbutton 3SB38 87-1AZ				

Empty housings
 Cable entry at the top and bottom, 1 x metric thread each:
 M20 for 1 to 3 command points
 M25 for 4 to 6 command points



1 command point	2 command points	3 command points	4 command points	6 command points
3SB38 01-□AA3	3SB38 02-□AA3	3SB38 03-□AA3	3SB38 04-□AA3	3SB38 06-□AA3
3SB38 01-□AB3 (for EMERGENCY STOP)				

Housing for contact blocks and lamp holders for base mounting or for single-pole contact blocks and lamp holders for front-panel mounting.

* Molded-plastic enclosures are equipped with connections for AS-Interface ribbon cables or insulation piercing technology; for the metal versions, the AS-Interface cable is fed into the enclosure.

Enclosures* with AS-Interface connection



EMERGENCY STOP	2 command points	3 command points
EMERGENCY STOP mushroom pushbutton with positive latching function according to ISO 13850, via AS-Interface adapter, yellow enclosure top, without protective collar 3SF58 11- □ AA08	green pushbutton, inscription plate "I"; red pushbutton, inscription plate "0" 3SF58 12- □ DA00	clear indicator light, BA 9s, blank inscription plate; green pushbutton, inscription plate "I"; red pushbutton, inscription plate "0" 3SF58 13- □ DA00
EMERGENCY STOP mushroom pushbutton with positive latching function according to ISO 13850, via AS-Interface adapter, yellow enclosure top, with protective collar 3SF58 11- □ AB08	white pushbutton, inscription plate "I"; black pushbutton, inscription plate "0" 3SF58 12- □ DB00	black pushbutton, inscription plate "II"; black pushbutton, inscription plate "I"; red pushbutton, inscription plate "0" 3SF58 13- □ DB00
		clear indicator light, BA 9s, blank inscription plate; white pushbutton, inscription plate "I"; black pushbutton, inscription plate "0" 3SF58 13- □ DC00



AS-Interface slaves for AS-Interface housings equipped by the customer				Cable set
F-slave, 2 safety inputs for molded-plastic housings, 1–6 command points, without protective collar 3SF5 500-0BA	F-slave, 2 safety inputs for molded-plastic or metal housings, 1 command point, with protective collar 3SF5 500-0DA	A/B slave, 4 inputs/3 outputs for molded-plastic housings, 2–6 command points 3SF5 500-0BB	Slave, 4 inputs/4 outputs for molded-plastic housings, 2–6 command points 3SF5 500-0BC	For F-slave 3SF5 900-0BA
F-slave, 2 safety inputs for metal housings, 1–6 command points, without protective collar 3SF5 500-0CA		A/B slave, 4 inputs/3 outputs for metal housings, 2–6 command points 3SF5 500-0CB	Slave, 4 inputs/4 outputs for metal housings, 2–6 command points 3SF5 500-0CC	For slave 4 I/4 O or for slave 4 I (3 O) 3SF5 900-0BB



Connection elements for AS-Interface housings equipped by the customer			
For AS-Interface ribbon cables, connected using insulation piercing technology, for molded-plastic housings, 1–3 command points 3SF5 900-0CA	For AS-Interface connection through an M12 connector, 1–3 command points 3SF5 900-□ CC	For AS-Interface ribbon cables, cable is introduced into the housing, for molded-plastic or metal housings, 1–3 command points 3SF5 900-0CG	For round cables, cable is introduced into the housing, for molded-plastic or metal housings, 1–3 command points 3SF5 900-0CJ
For AS-Interface ribbon cables, connection using insulation piercing technology, for molded-plastic housings, 4–6 command points 3SF5 900-0CB	For AS-Interface connection through an M12 connector, 4–6 command points 3SF5 900-□ CD	For AS-Interface ribbon cables, cable is introduced into the housing, for molded-plastic or metal housings, 4–6 command points 3SF5 900-0CH	For round cables, cable is introduced into the housing, for molded-plastic or metal housings, 4–6 command points 3SF5 900-0CJ

Robust and reliable:

SIRIUS cable-operated switches 3SE7



The advantages at a glance:

- Control functions and EMERGENCY-STOP always within reach
- Version with integrated EMERGENCY-STOP pushbutton
- Increased safety over long distances – of up to 2 x 75 m
- Complete systems for all requirements and routings
- Easy unlocking
- Failsafe applications with SIRIUS Safety Integrated
- Operation display directly on the switch
- Signal display for large distances with innovative LED technology: Visibility over 50 m with long service life of approx. 50,000 hours
- Cable-operated switch with latching in accordance with ISO 13850 (EN 418) – full EMERGENCY-STOP function with positively driven contacts
- Fast and safe mounting thanks to integrated mounting accessories

SIRIUS cable-operated switches 3SE7 are perfectly suited for all requirements: With or without latching mechanism, for signaling devices as complete EMERGENCY-STOP system in accordance with ISO 13850 (EN 418) or with integrated EMERGENCY-STOP pushbutton.

The positively driven contacts ensure optimum safety as they open and effect circuit interruption as soon as a cable breaks or is pulled. Furthermore, our cable-operated switches can be adjusted accurate to the millimeter, which is eased by a position indicator on the switch.

Selection and ordering data

	Version	Cable length in m	Contacts	Order No.
Order No.				
	Metal enclosure (molded plastic cover)	10		
	• without latching, only cable tension monitoring		1 NO + 1 NC ⊕	3SE7 120-2DD01
	• with latching and push to release		2 NC ⊕	3SE7 120-1BF00
	Metal enclosure (molded plastic cover) with dust protection and adjustment window	25		
	• without latching		1 NO + 1 NC ⊕	3SE7 150-2DD00
	• with latching and push to release		1 NO + 1 NC ⊕	3SE7 150-1BD00
			2 NC ⊕	3SE7 150-1BF00
	• with latching and key-operated release		1 NO + 1 NC ⊕	3SE7 150-1CD00
	Metal enclosure (molded plastic cover) with dust protection and adjustment window with red LED, 24 V DC	25		
	• without latching		1 NO + 1 NC ⊕	3SE7 150-2DD04
• with latching and push to release		1 NO + 1 NC ⊕	3SE7 150-1BD04	
	Metal enclosure (molded plastic cover) with dust protection	50		
	• with latching and push to release		1 NO + 1 NC ⊕	3SE7 140-1BD00
			2 NC ⊕	3SE7 140-1BF00
	• in addition with red LED, 24 V DC		1 NO + 1 NC ⊕	3SE7 140-1BD04
	• with latching and key-operated release		1 NO + 1 NC ⊕	3SE7 140-1CD00
	Metal enclosure with 2-sided actuation	2 x 75		
	• with latching and push to release		2 NO + 2 NC ⊕	3SE7 160-1AE00
	• in addition with red LED, 24 V DC		2 NO + 2 NC ⊕	3SE7 160-1AE04
SIRIUS belt skewing monitor				
	Metal enclosure			
	• with latching and push to release		2 NO + 2 NC ⊕	3SE7 310-1AE00
	• in addition with red LED, 24 V DC		2 NO + 2 NC ⊕	3SE7 310-1AE04
SIRIUS cable-operated switch with integrated EMERGENCY STOP				
	Metal enclosure with dust protection	75		
	• with latching and rotate-to-unlatch mechanism		1 NO + 3 NC ⊕	3SE7 141-1EG10

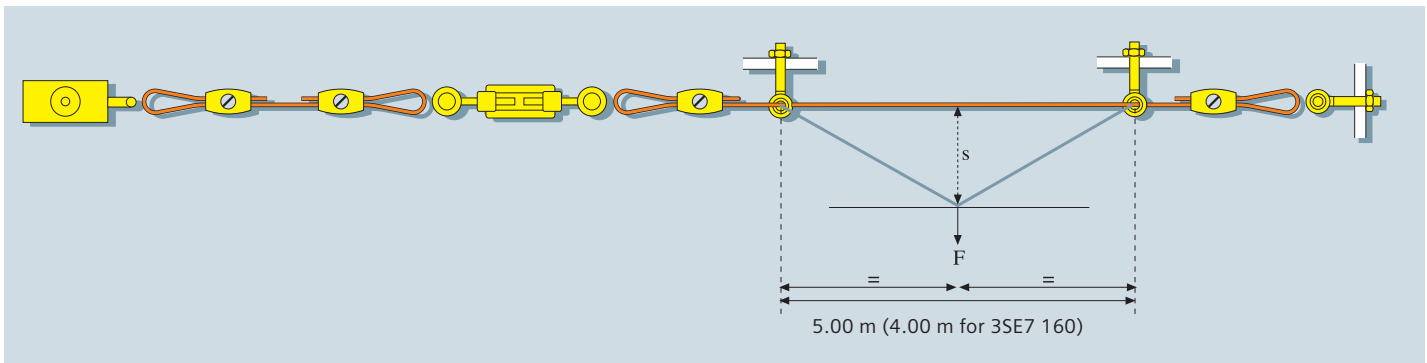
⊕ Positively opening according to IEC 60947-5-1, Attachment K

For accessories, see chapter 9 of the LV 1 catalog.

Selection criteria for cable-operated switches/belt skewing monitor devices 3SE7

Cable lengths (depending on the ambient temperature)	10 m, 25 m, 50 m, 75 m, 2 x 75 m
Switching contacts	Various numbers of NO + NC contacts (depending on the Order No.)
Latching	<ul style="list-style-type: none"> • with • without
Release (only possible in central position – pre-tensioned position)	<ul style="list-style-type: none"> • press to release • key-operated release • rotate to release (depending on the Order No.)
Optical signal	<ul style="list-style-type: none"> • none • with red LED, 24 V DC
Integrated EMERGENCY STOP	Yes/no
Adjustment window (position of the pre-tensioned cable is displayed)	Yes/no
Accessories (depending on the cable length) Basic equipment	Steel cable, cable clamps, cable eye, eye bolt

Pre-tension and actuation forces



Cable tension EMERGENCY SWITCHING-OFF switch	Pre-tension force in N	Actuation distance S in cm	Actuation force F in N	Max. cable length in m
3SE7 120-1BF00	55	11	6	10
3SE7 150	200	11	25	25
3SE7 140	295–390	13	38–60	50
3SE7 141	100	20–22	28–34	75
3SE7 160	–	32–40	45–85	2 x 75

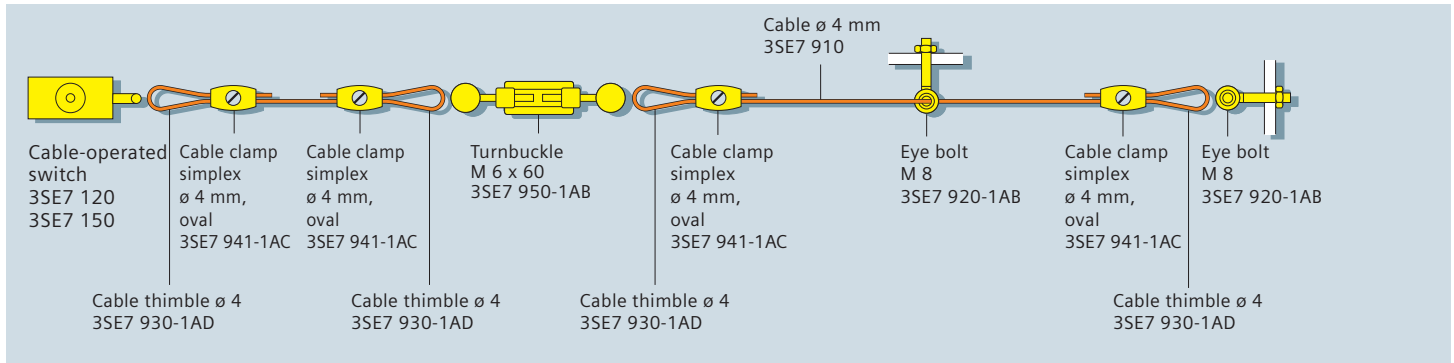
The specified values refer to installing switches in an ambient temperature of 20 °C. A length extension of the cable due to stretching and deformation of the cable eye is not taken into account.

The specified actuation forces are only nominal values as the spring forces are subject to a tolerance.

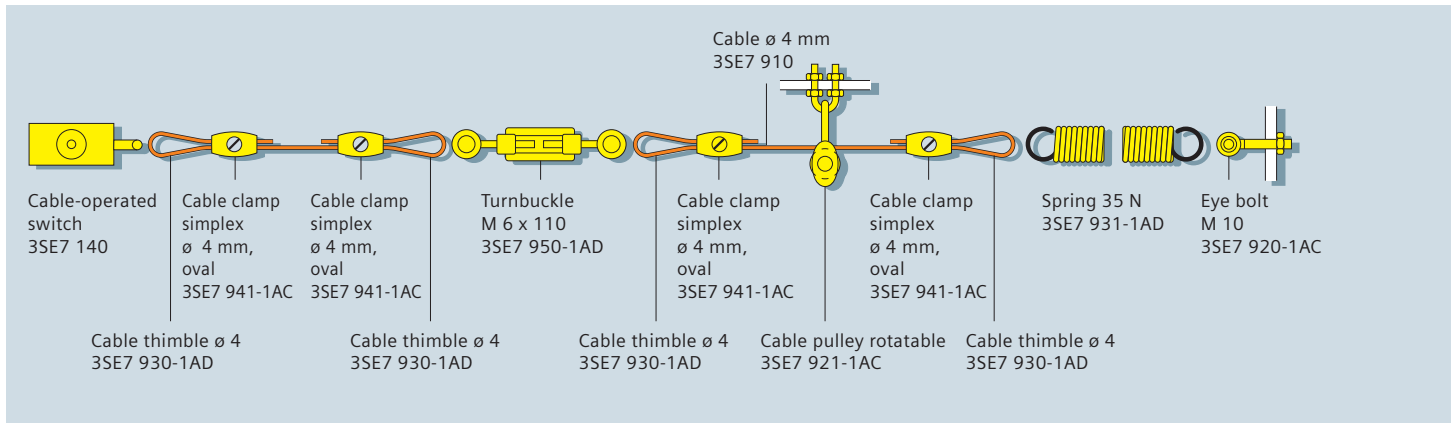
The 3SE7 cable-operated switches meet the requirements of the harmonized European standard EN 418 pertaining to EMERGENCY STOP equipment. The recommended use of a tension spring meets the requirements of the European standard draft EN 615 pertaining to continuous conveyor systems.

Installation examples

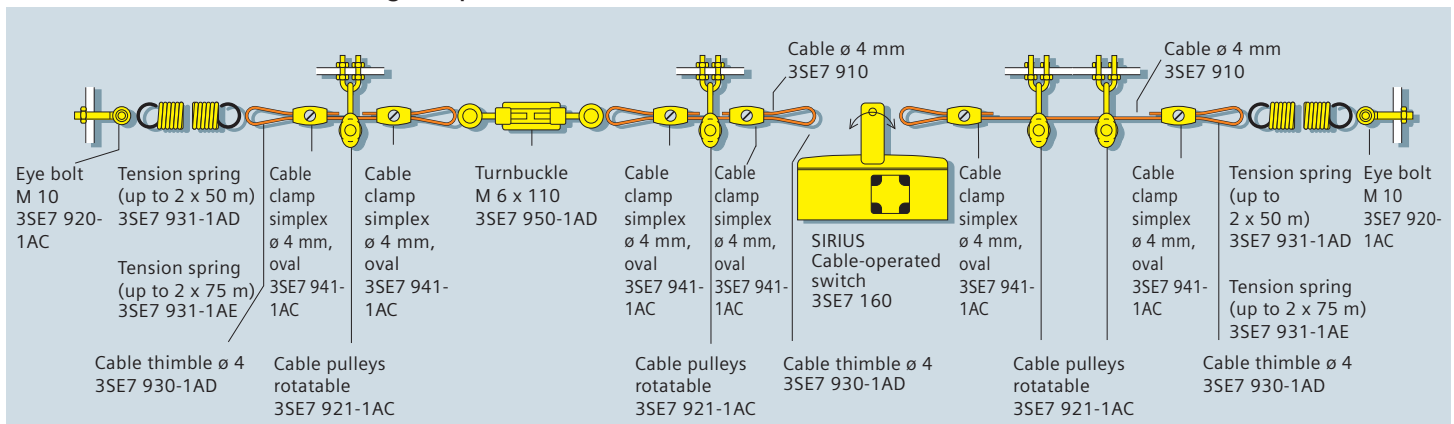
Cable lengths up to 25 m



Cable lengths up to 50 m



Two-sided actuation for cable lengths up to 2 x 75 m



For cable lengths 25 m and longer, a tensioning spring must be used.

The appropriate equalization springs must be used to compensate for higher temperature fluctuations. In order to ensure a solid connection, the PVC sheath must be removed from the steel cable at the clamping position. Cable supports must be used at the recommended intervals (refer to technical data).

Modular and communication-capable:

SIRIUS 8WD signaling columns and integrated signal lamps



The advantages at a glance

- Modules that can be flexibly combined: Can be stacked up to 4 high (for 8WD42); 5 to 10 elements (for 8WD44)
- Simple connection and fast lamp change using a mechanically and electrically secure and vibration-proof bayonet catch
- Communications-capable via an AS-Interface connection
- LEDs with an exceptionally long life
- Extremely resistant to shock and vibration
- 50 mm and 70 mm diameters
- Adjustable tone and volume of acoustic element
- Customizable options: continuous, blinking and flashing light, buzzers, sirens and LED elements
- Wide range colors: red, yellow, green, clear or blue
- Special features of the 8WD44: High IP65 degree of protection, spring-loaded terminals, and optimized illumination thanks to an improved prismatic system
- 8WD5 integrated signal lamps: IP65 degree of protection, with options of continuous, blinking or rotating beacon lights

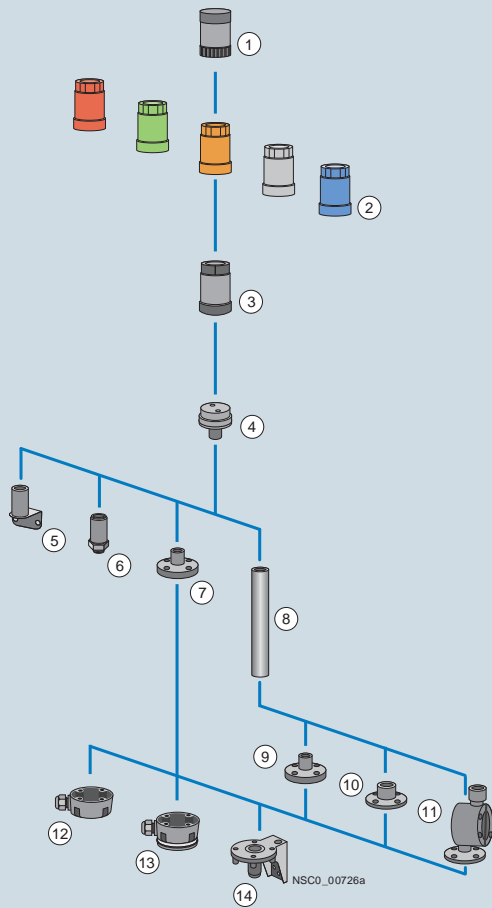
8WD44 with AS-Interface

- A/B technology
- Addressing base
- LED status displays for diagnostics
- Manual changeover to an external auxiliary voltage

Whether on machines or in automated processes – when complex and fast processes are to be controlled safely and according to regulations, our SIRIUS signaling columns and integrated signal lamps 8WD come as the perfect solution both for visual and acoustic warning. Thanks to their modularity, they support flexible adjustability and manifold applicability. The devices offer particularly easy and rapid mounting. Their rugged design and high degree of protection make them particularly resistant to shock and vibration. Furthermore, they are fully communication-capable via AS-Interface.

Configuration support signaling column 8WD42

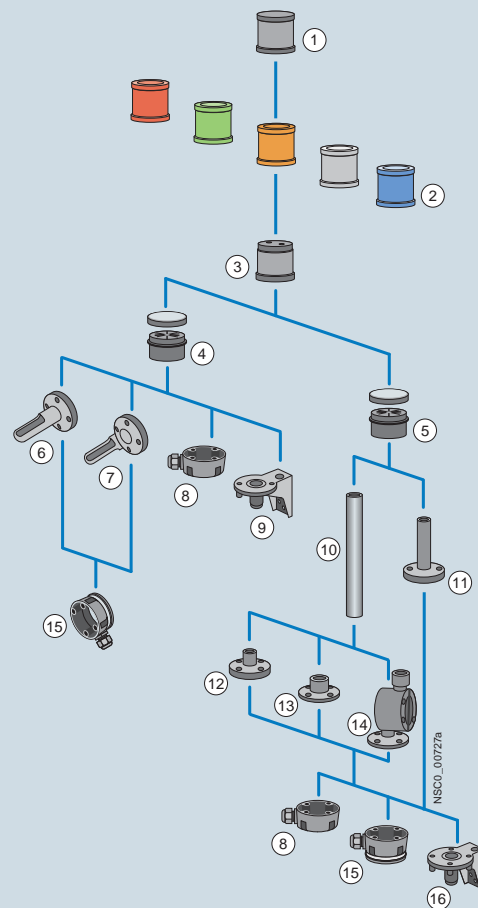
50 mm diameter with up to 4 elements



- 1 Acoustic element **8WD42.0-0FA**
- 2 Light element **8WD42.0-0FA**
- 3 AS-Interface adapter element **8WD4228-0BB**
- 4 Connection element **8WD4208-0AA**
- 5 Bracket for wall mounting **8WD4208-0CD**
- 6 Adapter for one-hole mounting **8WD4208-0CD**
- 7 Foot for floor mounting **8WD4208-0DE**
- 8 Pipe **8WD42/8WD43**
- 9 Foot for pipe mounting **8WD4308-0DB**
- 10 Foot for pipe mounting (> 400 mm) **8WD4308-0DC**
- 11 Foldaway foot for pipe mounting **8WD4408-0DF**
- 12 Connection socket **8WD4308-0DD**
- 13 Connection socket (magnetic mounting) **8WD4308-0DE**
- 14 Bracket for foot mounting **8WD4408-0CC**

Configuration support signaling column 8WD44

70 mm diameter with up to 5 elements



- 1 Acoustic element **8WD44**
- 2 Light element **8WD44**
- 3 AS-Interface adapter element **8WD4428-0BD/8WD4428-0BE**
- 4 Connection element for bracket, base and floor mounting **8WD4408-0AB/8WD4408-0AE**
- 5 Connection element for pipe mounting **8WD4408-0AA/8WD4408-0AD**
- 6 Bracket for wall mounting **8WD4308-0CA**
- 7 Bracket for wall mounting (two-side) **8WD4308-0CB**
- 8 Connection socket **8WD4308-0DD**
- 9 Bracket for base mounting **8WD4408-0CD**
- 10 Pipe **8WD42/8WD43**
- 11 Foot with pipe **8WD4308-0DA**
- 12 Foot for pipe mounting **8WD4308-0DB**
- 13 Foot for pipe mounting (> 400 mm) **8WD4308-0DC**
- 14 Foldaway foot for pipe mounting **8WD4408-0DF**
- 15 Connection socket (magnetic mounting) **8WD4308-0DE**
- 16 Bracket for foot mounting **8WD4408-0CC**



Color:	red	yellow	green	blue	white/clear
Significance:	Emergency	Abnormal	Normal	Regulation	No special meaning defined
Explanation:	Hazard	Imminent critical state	Normal state	Indicates a condition that requires action	Can be used to signify anything – if there is any doubt regarding the colors red, yellow, green and blue

Technical data signaling columns

Technical data, 8WD signaling columns

nach DIN VDE 0660 und IEC 60047-5-7-5-1 947-5-7-1

Type	8WD42 signaling columns	8WD44 signaling columns
Housing	Thermoplastic (polyamide), shock-proof, black	Thermoplastic (polyamide), shock-proof, black
Light elements	Thermoplastic (polycarbonate)	Thermoplastic (polycarbonate)
Fastening	<ul style="list-style-type: none"> horizontal (floor mounting, foot with pipe, 25 mm diameter) horizontal (single-hole mounting) vertical with angle bracket 	<ul style="list-style-type: none"> horizontal (floor mounting, foot with pipe, 25 mm diameter) vertical with angle bracket
Ambient temperature	-20°C to +50°C	-20°C to +50°C
Connection	Screw terminals M3 ≤ 2.5 mm ² ≤ 0.5 Nm	Screw or spring-loaded terminals M3 ≤ 2.5 mm ² ≤ 0.5 Nm
Degree of protection		
Light elements	IP54	IP65 (seal is pre-installed as standard for every module)
Acoustic elements	IP54	IP65 (8WD44 20-OEA – IP40)
Operating voltage, current drain		
Filament lamp (AC values at 50/60 Hz)		
• continuous light	12 V / 24 V AC/DC / 115 V AC / 230 V AC	12 V AC/DC / 24 V / 115 V AC / 230 V AC
• blinking light *	–	24 V AC/DC / 125 mA; 115 V AC / 20 mA; 230 V AC / 15 mA
• flashing light *	–	24 V DC / 125 mA; 115 V AC / 25 mA; 230 V AC / 15 mA
LED version (integrated version)		
• continuous light	24 V AC/DC / 60 mA	24 V AC/DC / 30 mA; 115 V AC / 20 mA; 230 V AC / 20 mA
• blinking light	24 V AC/DC / 25 mA; 115 V AC / 25 mA; 230 V AC / 25 mA	24 V AC/DC / 40 mA
• rotating beacon light	–	24 V AC/DC / 70 mA
Acoustic elements		
• buzzer element (tone type: pulsating or continuous tone, 80 dB)	24 V AC/DC / 25 mA; 115 V AC / 25 mA; 230 V AC / 25 mA	24 V AC/DC / 25 mA; 115 V AC / 25 mA; 230 V AC / 25 mA
• siren element (8 tones + volume can be set, 100 dB)	–	24 V AC/DC / 80 mA; 115 V AC / 30 mA; 230 V AC / 16 mA
• siren element (105 dB)	–	24 V DC / 100 mA
Power drain		
Filament lamps	BA 15d base, max. 5 W	BA 15d base, 7 W
Flashing light	–	Flash energy 2 Ws
Certification		
CSA (not for 8WD44 20-OEA)		

Technical data, AS-Interface adapter element

According to DIN VDE 0660 and IEC 60047-5-7-5-1 947-5-7-1

Type	8WD42 with external auxiliary voltage	8WD44 28 (load voltage can be switched over via bus or external)
IQ code/ID code/ID2 code	8/F/–	8/A/E
Power supply	Via bus cable	Via bus cable or external
Operating voltage	18.5 V to 31.6 V	18.5 V to 31.6 V
Current drain I _{max}	50 mA	210 mA
Watchdog	Integrated	Integrated
Short-circuit/overload protection	Series fuse M 1.6 A	Integrated
Incorrect polarity protection	Integrated	Integrated
Induction protection	Not applicable	Integrated
Load voltage	External auxiliary voltage 0 V to 30 V DC 0 V to 230 V AC	Via bus cable or external 24 V
Outputs	4, relay	3, electronic
Current load capability Σ I _{max}	1.5 A	0.2 A via bus/0.3 A per stage for an external 24 V auxiliary voltage
Operating temperature	-20°C to +50°C	-25°C to +50°C
Degree of protection	IP54	IP65

SIRIUS 8WD5 integrated signal lamps



SIRIUS integrated signal lamps are also perfectly suited for harsh ambient conditions as well as outdoor applications. For visual signaling, SIRIUS integrated signal lamps 8WD53 can be directly mounted anywhere on the machine. Fastening is realized via a PG 29 screw base with nut. The special shape of the SIRIUS integrated signal lamps facilitates optimum radiation towards all directions (laterally and upward).

SIRIUS integrated signal lamps consistently feature the high degree of protection IP65 and are made of very shock-resistant material.

Red, green, yellow, transparent and blue are available for continuous lighting (incandescent lamp version and flashlight). The LED versions of the integrated signal lamps offer a considerably longer service life than incandescent lamps. Besides continuous lighting, this version also features a flashing and a rotating light.

Technical data

Housing	PC/ABS shield, shock-proof, black
Spherical cap	Thermoplastic (polycarbonate), shock-proof up to 20 J
Fastening	37 mm diameter hole (Pg 29)
Cable outlet	Radial or axial
Ambient temperature	-20°C to +60°C Flashing LED up to +50°C
Degree of protection	IP65
Certification	UL/CSA
Operating voltage (AC values at 50 Hz) Continuous light (filament lamp/LED) Flashing light	AC/DC 24 V/115 V/230 V 24 V/125 mA AC/DC; 115 V/20 mA; 230 V/15 mA
LED light	24 V/70 mA AC/DC
Flash power	2 Ws/approx. 1 Hz
LED lights Blinking lights Rotating beacon light	Flash frequency, approx. 1 Hz Rotating frequency, approx. 120 RPM
Inrush current LED light Flashing light	< 0.5 A 24 V/115 V < 0.5 A; 230 V < 0.5 A

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