Push Button Units and Indicator Lights

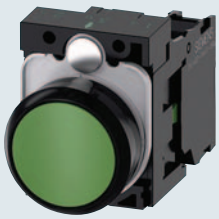
contents

16 mm mounting diameter, molded-plastic

3SB2 Page

Selection and ordering data

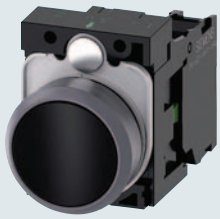
22 mm mounting diameter, plastic black



SIRIUS ACT – 3SU1 Page

Selection and ordering data

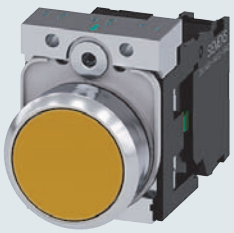
22 mm mounting diameter, plastic with metal matte front ring



SIRIUS 3SB3, plastic round Page

Selection and ordering data

22 mm mounting diameter, metal shiny



SIRIUS ACT – 3SU1 Page

Selection and ordering data

30 mm mounting diameter, metal matte

SIRIUS ACT – 3SU1 Page

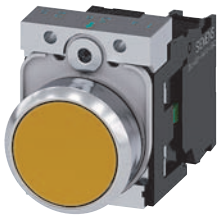
Selection and ordering data

22mm enclosures and communication devices

SIRIUS ACT – 3SU1 Page

Selection and ordering data






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

✓ Standard
-- Not available

Note:
Safety characteristics (see Appendix on page 10/166).

Overview

SIRIUS ACT pushbuttons and indicator lights

SIRIUS ACT – commanding and signaling

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

Extensive portfolio

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

Diverse possible applications

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

Standards

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

More information

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

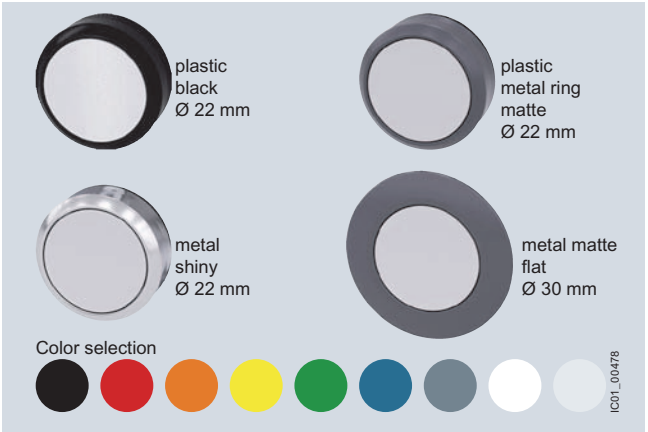
pushbuttons and indicator lights can be connected directly via PROFINET to the controller and HMI devices – including with safety functions. Engineering and commissioning are simplified no end by the TIA Portal.

Configurator

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

Benefits

Design



SIRIUS ACT is available in four design lines.

Communication

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

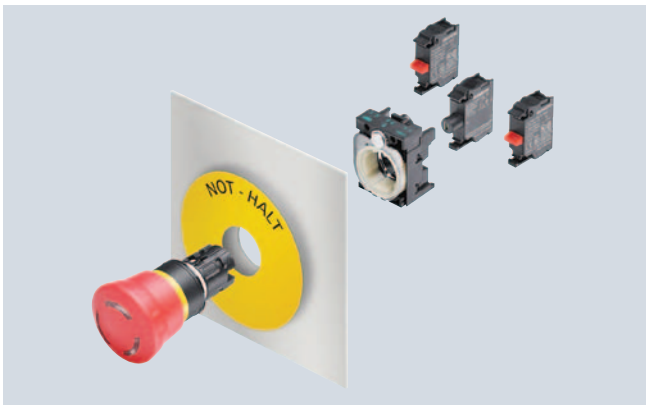
Ruggedness

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

IP66	
6 = Protection against the ingress of dust	6 = Protection against powerful splash-water
IP67	
6 = Protection against the ingress of dust	7 = Protection against temporary immersion
IP69 (IP69K)	
6 = Protection against the ingress of dust	9/9K = Protection against water in high-pressure cleaning (approx. 80 bar) and high water jet temperatures (approx. 80 °C)

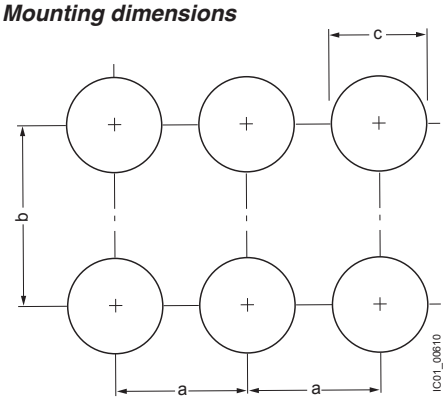
- Service life of 100 000 hours thanks to use of LEDs
- Media resistance (chemicals) thanks to solid stainless steel and high-grade plastics
- Mechanical endurance of 10 x 10^6 switching cycles
- Suitable for use in extreme environments
- Reliable, friction-locked fixing with just one screw
- Design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

Easy handling



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

Mounting dimensions



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

Versions

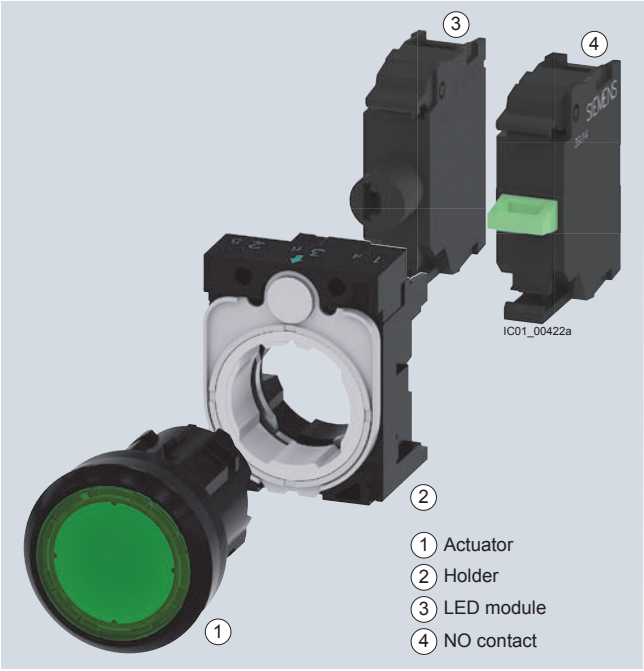
SIRIUS ACT is a modular system of pushbuttons and indicator lights with which customized variants can be configured flexibly.

One command point comprises:

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

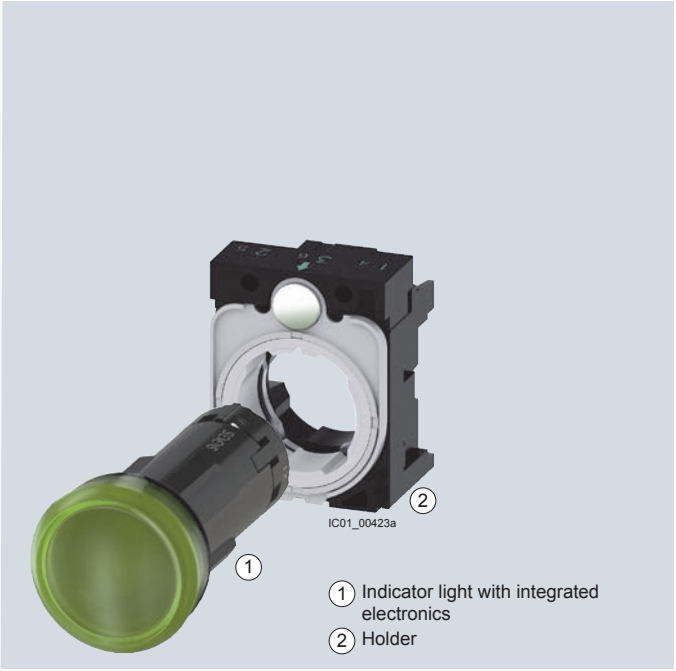
Complete units

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



Compact units

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



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

Complete units

Product versions		Article number
SIRIUS ACT pushbuttons and indicator lights		**3SU1** □□□ – □ □□□□ – □□□□
Device type	Complete units	**1**
Material (front ring)	Plastic, black Metal, matte (front ring)/plastic, black (rosette, holder) Metal, shiny Metal, matte	**0** **3** **5** **6**
Illumination	Non-illuminated Illuminated (with/without LED, various voltages)	**0** **1** **...** **8**
Type of actuator/indicator	Pushbutton Mushroom pushbutton/EMERGENCY STOP mushroom pushbutton/sensor switch Selector switch Twin pushbutton, toggle switch Key-operated switch Indicator light/acoustic signaling device Coordinate switch	**0** **1** **2** **3** **4/5** **6** **7**
Design of the actuator/ acoustic signaling device	e.g. A = Flat	□
Function	e.g. B = Momentary contact	□
Color/key removal position	e.g. 10 = Black, 20 = Red	□□
Connection type	Screw terminals Spring-type terminals	**1** **3**
Module/holder equipment including contact material	e.g. A = Without module, with holder B = 1 NO contact with holder C = 1 NC contact with holder	□
Marking	e.g. A = None, C = "I", D = "O", R = "R"	□
Ambient condition	Standard ATEX Zone 21-22: Protection from dust ATEX Zone 1-2: Intrinsic safety	**0** **1** **2**
Example		**3SU1 1 0 0 – 0 A B 1 0 – 1 B A 0**

Compact units

Product versions		Article number
SIRIUS ACT pushbuttons and indicator lights		**3SU1** □□□ – □ □□□□ – □□□□
Device type	Compact units	**2**
Material (front ring)	Plastic, black Metal, matte (front ring)/plastic, black (rosette, holder) Metal, shiny Metal, matte	**0** **3** **5** **6**
Illumination	Non-illuminated Illuminated/non-illuminated	**0** **1**
Type of actuator/indicator	Pushbutton Sensor switch Potentiometers Indicator light/acoustic signaling device	**0** **1** **2** **6**
Design of the actuator/ acoustic signaling device	e.g. A = Flat	□
Function (voltage/resistance)	e.g. B = 24 V AC/DC	□
Color	e.g. 10 = Black, 20 = Red	□□
Connection type	None Screw terminals M12 connection, 4-pin Spring-type terminals	**0** **1** **2** **3**
Module/holder equipment including contact material	e.g. A = Without module, without holder B = 1 NO contact with holder C = 1 NC contact with holder	□
Marking	e.g. A = None	□
Ambient condition	Standard ATEX Zone 21-22: Protection from dust ATEX Zone 1-2: Intrinsic safety	**0** **1** **2**
Example		**3SU1 2 0 1 – 6 A B 1 0 – 1 A A 0**

Note:

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

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

Application

Environmental conditions

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

Simple electrical equipment

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

Safety EMERGENCY STOP pushbuttons according to ISO 13850

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

Safety circuits

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

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

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

The following solutions are available:

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

IO-Link

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

Technical specifications

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

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

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

General data

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

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

General data

Type		3SU1400-.AA10-1.A0	3SU1400-1AA10-1GA0, 3SU1400-1AA10-1RA0	3SU1400-1AA10-1HA0	3SU1400-.AA10-3.A0	3SU1400-1AA10-3HA0	3SU1400-3AA10-5.A0
Product version		**Contact modules**					
Rated insulation voltage	V	500					
Pollution degree		3					
Impulse withstand voltage, rated value	kV	6					
Operational voltage type		AC/DC					
Operational voltage, rated value							
• At AC at 50 Hz	V	5 … 500					
• At DC	V	5 … 500					
Thermal current	A	10					
Operational current, rated value							
• At AC-12							
- At 24 V	A	10					
- At 230 V	A	8					
• At AC-15							
- At 24 V	A	6					
- At 230 V	A	6	4		6		6
- At 400 V	A	3					
- At 500 V	A	1.4					
• At DC-12							
- At 24 V	A	10					
- At 48 V	A	5					
- At 110 V	A	2.5					
- At 230 V	A	1		0.3	1	0.3	1
- At 400 V	A	0.3					
- At 500 V	A	0.3		0.2	0.3		
• At DC-13							
- At 24 V	A	3					
- At 48 V	A	1.5					
- At 110 V	A	0.7		0.6	0.7	0.6	0.7
- At 230 V	A	0.3					
- At 400 V	A	0.1					
- At 500 V	A	0.1					
Contact reliability		One contact failure per 100 million switching operations (17 V, 5 mA), one contact failure per 10 million switching operations (5 V, 1 mA)					
Mechanical endurance (operating cycles) typical		10 000 000					
Switching frequency maximum	1/s	3 600					
Fuse link version required for short-circuit protection of the auxiliary switch with type of coordination 1		gG / Dz 10 A, quick-response / Dz 10 A					
Continuous current of miniature circuit breaker C characteristic	A	10					
Vibration resistance according to IEC 60068-2-6		10 ... 500 Hz: 5 *g*					
Shock resistance according to IEC 60068-2-27		Half-sine wave 50 *g* / 11 ms					
Climate class during operation according to IEC 60721		3M6, 3S2, 3B2, 3C3, 3K6 (with a relative air humidity of 10 ... 95%, no condensation permitted in operation)					
Ambient temperature							
• During operation	°C	-25 … +70					
• During storage	°C	-40 … +80					
Degree of protection							
• Of enclosure		IP40					
Type of electrical connection		**Screw terminals**			**Spring-type terminals**		**Socket terminals (THT)**
Type of connectable conductor cross-sections							
• Solid with end sleeve	mm²	2 x (0.5 ... 0.75)			--		
• Solid without end sleeve	mm²	2 x (1.0 ... 1.5)			2 x (0.25 ... 1.5)		--
• Finely stranded with end sleeve	mm²	2 x (0.5 ... 1.5)			2 x (0.25 ... 0.75)		--
• Finely stranded without end sleeve	mm²	2 x (1.0 ... 1.5)			2 x (0.25 ... 1.5)		--
• For AWG cables		2 x (18 ... 14)			2 x (24 ... 16)		--
Tightening torque for screw terminals	Nm	0.8 ... 0.9			--		

General data

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

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

3SU1 22 mm, Metal, Shiny — Complete Units

Selector switches / key-operated switches

Un-latching method	Supply voltage for light source at AC V	Supply voltage for light source at DC V	Number of Contact modules	Number of NO con-tacts	Number of NC con-tacts	Marking	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
ILLUMINATED EMERGENCY STOP mushroom pushbuttons, in accordance with ISO 13850 and IEC 60947-5-5 NEW											
With red mushroom, diameter 40 mm, with positive latching											
Rotate to unlatch	24 ... 240	24 ... 240	1	0	2	EMER-GENCY STOP	⊕ 5	**3SU1158-1HB20-1PT0**		1	1 unit

3SU1158-1HB20-1PT0

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

Selection and ordering data

Operating principle	Color	Number of Contact modules	Number of NO contacts	Number of NC contacts	SD d	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*
Selector switches									
Short black actuator, 2 switch positions									
Latching, 90°	White	1	1	0	▶	**3SU1150-2BF60-1BA0**		1	1 unit
			1	1	3	**3SU1150-2BF60-1FA0**		1	1 unit
		2	1	1	▶	**3SU1150-2BF60-1MA0**		1	1 unit
Short black actuator, 3 switch positions (I - O - II)									
Momentary contact, 2x45°, reset from left + right	White	2	2	2	3	**3SU1150-2BM60-1LA0**		1	1 unit
			2	0	▶	**3SU1150-2BM60-1NA0**		1	1 unit
Latching, 2x45°	White	2	2	2	▶	**3SU1150-2BL60-1LA0**		1	1 unit
			2	0	▶	**3SU1150-2BL60-1NA0**		1	1 unit
						Spring-type terminals			
Short black actuator, 2 switch positions									
Latching, 90°	White	1	1	0	5	**3SU1150-2BF60-3BA0**		1	1 unit
		2	1	1	5	**3SU1150-2BF60-3MA0**		1	1 unit
Short black actuator, 3 switch positions									
Momentary contact, 2x45°, reset from left + right	White	2	2	2	5	**3SU1150-2BM60-3LA0**		1	1 unit
			2	0	5	**3SU1150-2BM60-3NA0**		1	1 unit
Latching, 2x45°	White	2	2	2	5	**3SU1150-2BL60-3LA0**		1	1 unit
			2	0	5	**3SU1150-2BL60-3NA0**		1	1 unit


3SU1150-2BF60-1BA0


3SU1150-2BL60-3NA0