



SIEMENS



# Industrial Controls

3SU1 Pushbuttons and Indicator Lights

SIRIUS ACT

2015  
Edition

Answers for industry.

## Things you should know about Catalog News IC 2014

Catalog News IC 2014 contains all selection and order-relevant data.

### Delivery time class (DT)

- Preferred type Preferred types are available from stock
- A 9 to 10 working days Normal quantities of the products are usually delivered within the specified time following receipt of an order.
- B 11 to 13 working days
- C 14 to 23 working days In exceptional cases, the actual delivery time may differ from that specified.
- D 24 to 38 working days
- X On request

The delivery times specified here represent the state as of 1/2014. For up-to-the-minute information, please visit our Industry Mall website at [www.usa.siemens.com/industrymall](http://www.usa.siemens.com/industrymall)

Note: Delivery Time (DT) does not appear on all selection pages due to space constraints or coil voltage variations.

### Price units (PU)

The price unit defines the number of units, sets or lengths to which the price and weight apply.

### Packaging sizes (PS)

The packaging size defines the number of units, sets or length, for outer packaging.

Only the quantity defined by the packaging size or a multiple thereof can be ordered.

### Dimensions

All dimensions in mm.

## Symbols

On many selection pages in this catalog, you will find these symbols to aid in the quick identification of critical product features.

They are used in conjunction with an orange background to mark and highlight special selection criteria.

### Connections

Insulation piercing method



Spring-type terminals



Socket terminals



Screw terminals



Push-in terminals



# SIRIUS ACT Pushbuttons and Indicator Lights

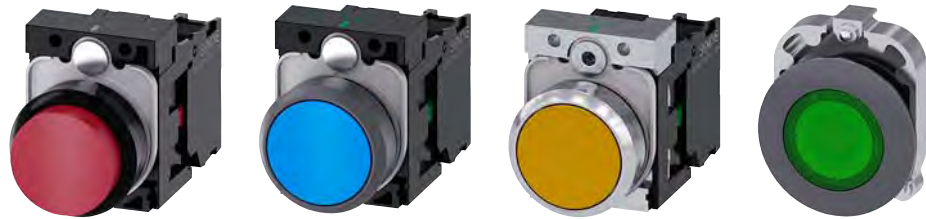


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		Conversion tool,
		e.g. from 3SB3 to 3SU1 see
		<a href="http://www.siemens.com/sirius/conversion-tool">www.siemens.com/sirius/conversion-tool</a>

# SIRIUS ACT Pushbuttons and Indicator Lights

## Introduction

### SIRIUS ACT Supplement 2015 SIRIUS ACT Supplement 2015 Overview



3SU1.0

3SU1.3

3SU1.5

3SU1.6

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

✓ Standard

-- Not available

#### Note:

Safety characteristics (see Appendix on page 119).



	3SU18	3SU18
	Enclosures	Two-hand operation consoles
<b>Enclosures</b>		
Plastic	✓	✓
Metal	✓	✓
<b>Actuators</b>		
Pushbuttons	✓	☐
Illuminated pushbuttons	✓	☐
Mushroom pushbuttons	✓	✓
EMERGENCY STOP mushroom pushbuttons	✓	✓
Selector switches	✓	☐
Key-operated switches	✓	☐
<b>Indicators</b>		
Indicator lights	✓	☐
Acoustic signaling devices	✓	☐
<b>Contact modules</b>		
Single-pole	✓	✓
Two-pole	--	✓
<b>Connections</b>		
Screw terminals	✓	✓
Spring-type terminals	✓	☐
Plug-in connection	☐	☐
AS-Interface	✓	☐

- ✓ Standard
- Not available
- ☐ Optional

### AS-Interface solutions

Pushbuttons and indicator lights of the SIRIUS ACT series can be connected to the AS-Interface communication system quickly and easily with the help of various solutions.

For AS-Interface solutions see [catalog IK PI "Industrial Communication SIMATIC NET"](#).

#### AS-Interface EMERGENCY STOP according to ISO 13850

Using special modules, EMERGENCY STOP devices according to ISO 13850 can be directly connected through the standard AS-Interface with safety-related communication (see [page 82](#)).

#### AS-Interface enclosures

Enclosures with standard fittings are listed in this catalog. For customized enclosures, use the SIRIUS ACT Configurator to select the elements for equipping (see [page 89](#)).

### PROFINET solutions

SIRIUS ACT devices will be equipped in future with a direct communication interface to PROFINET and PROFIsafe.

### RFID authentication solutions

Groups of employees or individuals can be authenticated by means of the ID key-operated switch. Color-coded keys for easy distinction between users and flexible in application thanks to four function stages.

# SIRIUS ACT Pushbuttons and Indicator Lights

## General data

### Overview



SIRIUS ACT pushbuttons and indicator lights

SIRIUS ACT is a modular system of pushbuttons and indicator lights for front plate mounting and rear-mounted electrical modules. Complete units made up of an actuating or signaling element and contact modules and/or LED modules are offered for the most frequent application cases.

On the new compact units, the electrical module is permanently installed and is only secured by the holder.

### Standards

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

### Versions

SIRIUS ACT is available in four versions:

- Plastic, 22 mm, round, black
- Plastic with metal front ring, 22 mm, round, matte
- Metal with metal front ring, 22 mm, round, shiny
- Metal with metal front ring, 30 mm, flat, round, matte

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/markings

Acoustic indicators, potentiometers with operating mechanism, sensor switches, pushbuttons with extended stroke, and basic indicator lights are available as compact units. The electrical parts are integrated and only have to be wired.

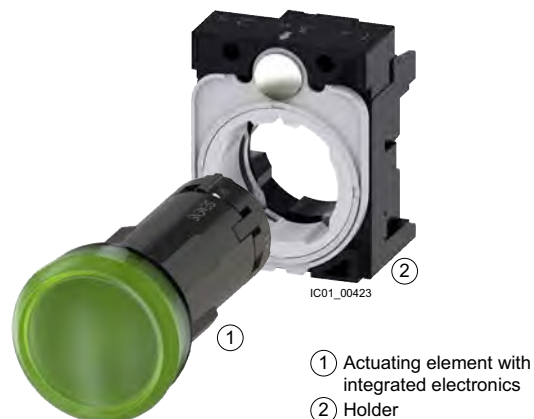
### Overview

#### Complete units



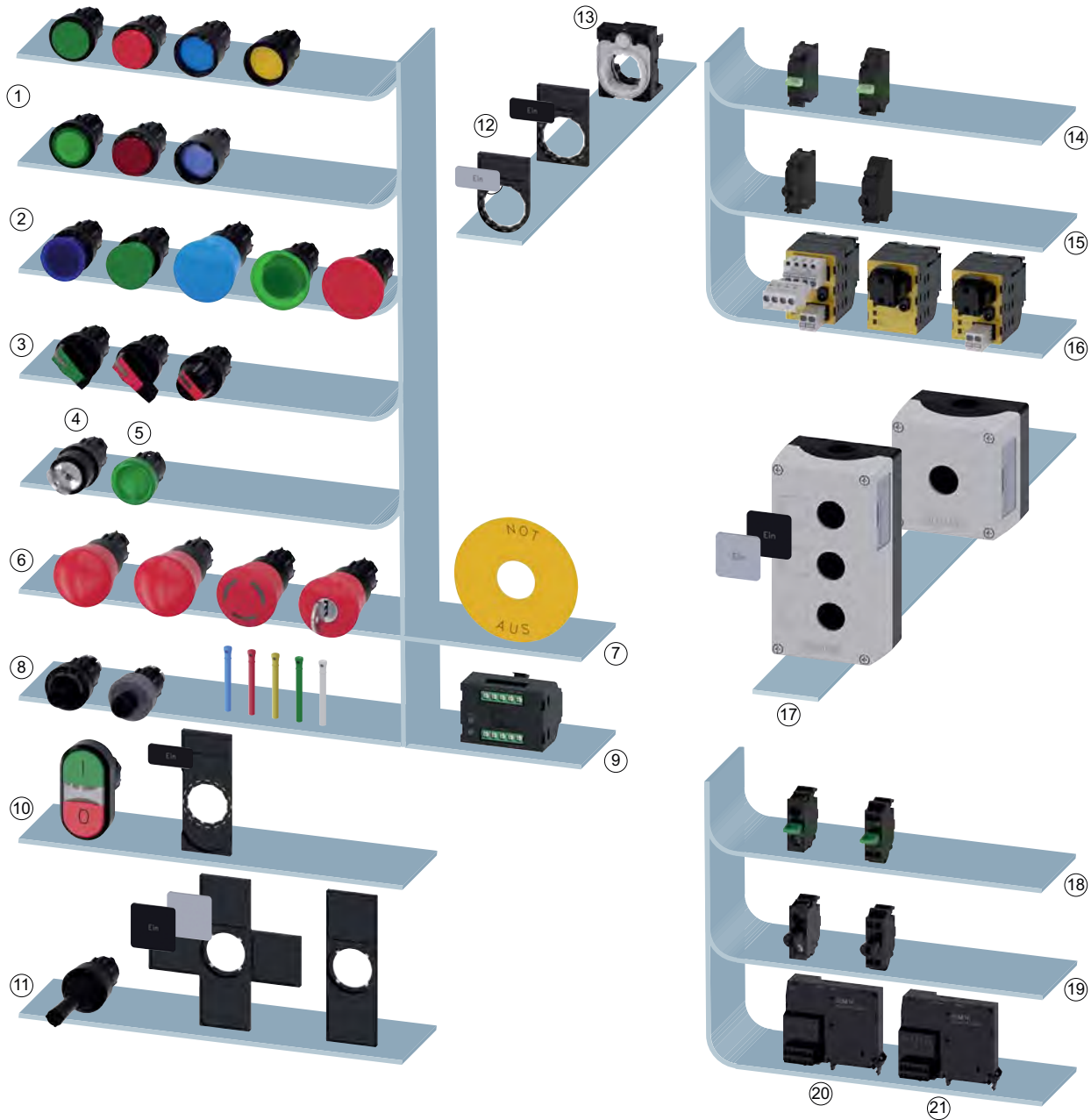
Design of a complete unit

#### Compact units



Design of a compact unit

Overview



- ① Pushbuttons
- ② Mushroom pushbuttons
- ③ Selector switches
- ④ Key-operated switch
- ⑤ Indicator light
- ⑥ EMERGENCY STOP mushroom pushbuttons
- ⑦ EMERGENCY STOP backing plate
- ⑧ Key-operated switch with key
- ⑨ Electronic module for ID key-operated switches
- ⑩ Twin pushbutton, label holder, label
- ⑪ Coordinate switch, label holder, label
- ⑫ Label holder, label
- ⑬ Holder
- ⑭ Contact modules
- ⑮ LED modules
- ⑯ AS-Interface modules
- ⑰ Enclosures
- ⑱ Contact modules
- ⑲ LED modules
- ⑳ IO-Link module
- ㉑ AS-Interface module

System overview of SIRIUS ACT pushbuttons and indicator lights

IC01\_00424

## General data

### Overview

#### Functionality

##### Easy handling

- Self-holding function of the actuator when mounting
- Twist prevention integrated into patented holder design
- Stackable contact modules

##### Rugged against environmental influences

- IP69K degree of protection
- Modules with explosion protection certified according to ATEX
- Service life of 100 000 hours thanks to use of LEDs
- Mechanical service life of  $10 \times 10^6$  switching cycles
- Reliable, friction-locked fixing with just one screw

##### A high level of 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

##### Contact modules and LED modules

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

Only LED modules with permanently integrated LEDs are available for illumination.

Contact modules and LED modules bear terminal designations acc. to EN 50013

##### Mounting the modules

With SIRIUS ACT, the modules are mounted on the holder without any further accessories. Holders in plastic or metal versions are available for mounting three modules. Holders for four modules are available for coordinate switches and toggle switches with four switch positions.

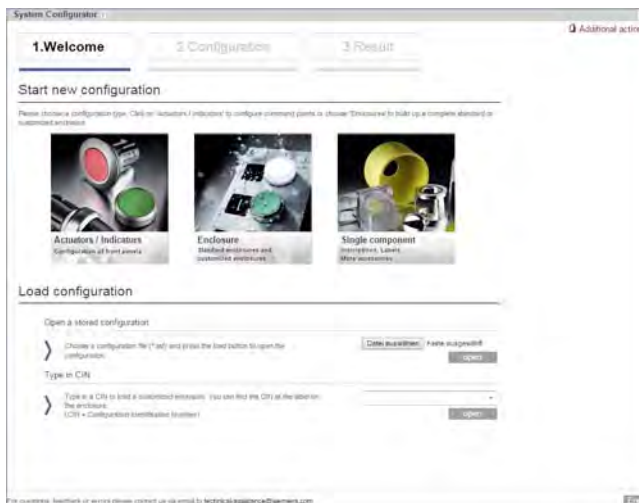
##### Connection methods

The modules are available with:

- Screw terminals
- Spring-type terminals or
- Solder pin connections (0.8 mm × 0.8 mm solder pins) for assembly on printed-circuit boards.

### Overview

#### Configurator



- Fast, simple selection by intuitive navigation through clearly-organized menus
- 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)
- Product data sheets, certificates, dimensional drawings, list prices, inscription tool

Configurator see: [www.siemens.com/sirius-act/configurator](http://www.siemens.com/sirius-act/configurator)



### ID key-operated switches

The ID key-operated switch is electronic and has 4 switch positions that are selected by keys with different codes. Using the 4 ID keys with different codes, it is possible to select 1 of 4 positions. The ID keys are color-coded (yellow, blue, red, green, white) so that they can be clearly differentiated at a glance.

Different versions of ID key-operated switches are available depending on the following features:

- Front ring material
- Conventional variant: 1 + 4 non-isolated outputs
- Variant with IO-Link: Option for individual coding

#### Operation:

Insert ID key, turn key to select the position. Standard keys can also be used in conjunction with the electronic module for ID key-operated switches with IO-Link function. The white ID key is supplied without coding



**3SU1000-4WS10-0AA0**  
Plastic, black



**3SU1030-4WS10-0AA0**  
Plastic with metal front ring, matte

ID key-operated switches		
Number of switching positions	4	4
Operating angle	45°	45°
Operating principle	Latching	Latching
Switch position for key removal	O+I+II+III	O+I+II+III
Color	Black	Black
Pages	33	52



**3SU1400-1GC10-1AA0**



**3SU1400-1GD10-1AA0**

Electronic modules for ID key-operated switches		
Type of power supply	--	Via IO-Link master
Protocol is supported IO-Link protocol	--	IO-Link protocol
Number of NO contacts	5	5
IO-Link transfer rate	--	COM2 (38.4 kBaud)
Pages	83	83



**3SU1900-0FU60-0AA0**

ID keys ID group individual



**3SU1900-0FV40-0AA0**  
**3SU1900-0FW30-0AA0**  
**3SU1900-0FX20-0AA0**  
**3SU1900-0FY50-0AA0**

ID keys








ID keys		
Material	Plastic	Plastic
RFID coding version	Individually coded, programmable several times	ID group 1 ID group 2 ID group 3 ID group 4
Color	White	Green Yellow Red Blue
Pages	115	115

# SIRIUS ACT Pushbuttons and Indicator Lights

## General data

### Article No. scheme

#### Device types

						
<b>3SU10</b>	<b>3SU11</b>	<b>3SU12</b>	<b>3SU14</b>	<b>3SU15</b>	<b>3SU18</b>	<b>3SU19</b>
<b>Device types</b>						
<b>Actuating and signaling elements</b>	<b>Complete units</b>	<b>Compact units</b>	<b>Modules for actuators and indicators</b>	<b>Holders with module</b>	<b>Enclosures</b>	<b>Accessories</b>

#### Actuating and signaling elements

Digit of the Article No.	1 <sup>st</sup> - 4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>	13 <sup>th</sup>	14 <sup>th</sup>	15 <sup>th</sup>	16 <sup>th</sup>		
	□□□□	□	□	□	-	□	□	□	□	-	□	□	□		
<b>SIRIUS ACT pushbuttons and indicator lights</b>	<b>3SU1</b>														
Device type	0 = actuating and signaling elements		<b>0</b>												
Material (front ring)	0 = plastic, black 3 = metal, matte (front ring)/plastic, black (collar) 5 = metal, shiny 6 = metal, matte		<input type="checkbox"/>												
Illumination	0 = non-illuminated 1 = illuminated/transparent 2 = illuminated/non-illuminated		<input type="checkbox"/>												
Type of actuator/indicator	0 = pushbutton 1 = mushroom pushbutton/ EMERGENCY STOP mushroom pushbutton/sensor switch 2 = selector switch 3 = twin pushbutton, toggle switch 4/5 = key-operated switch 6 = indicator light/acoustic signaling device 7 = coordinate switch		<input type="checkbox"/>												
Design of the actuator/lock	e.g. A = flat		<input type="checkbox"/>												
Function	e.g. B = momentary contact		<input type="checkbox"/>												
Color/key removal position	e.g. 10 = black, 20 = red		<input type="checkbox"/> <input type="checkbox"/>												
Connection method	0 = none		<input type="checkbox"/>												
Module/holder equipment	e.g. A = without module, without holder Y = without module, with holder		<input type="checkbox"/>												
Marking	e.g. A = none, C = "I", D = "O", R = "R"		<input type="checkbox"/>												
Ambient condition	0 = standard, 1 = ATEX		<input type="checkbox"/>												
<b>Example</b>	<b>3SU1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>A</b>	<b>B</b>	<b>1</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>A</b>	<b>A</b>	<b>0</b>

#### Note:

The Article No. scheme is presented here merely for information purposes and for better understanding of the logic behind the article numbers.

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

### Complete units

Digit of the Article No.	1 <sup>st</sup> - 4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>	13 <sup>th</sup>	14 <sup>th</sup>	15 <sup>th</sup>	16 <sup>th</sup>		
	□□□□	□	□	□	-	□	□	□	□	-	□	□	□		
<b>SIRIUS ACT pushbuttons and indicator lights</b>	<b>3SU1</b>														
Device type	1 = complete units														
Material (front ring)	0 = plastic, black 3 = metal, matte (front ring) plastic, black (collar) 5 = metal, shiny 6 = metal, matte														
Illumination	0 = non-illuminated 1 - 8 = illuminated (with/without LED, various voltages)														
Type of actuator/indicator	0 = pushbutton 1 = mushroom pushbutton/ EMERGENCY STOP mushroom pushbutton/sensor switch 2 = selector switch 3 = twin pushbutton, toggle switch 4/5 = key-operated switch 6 = indicator light/acoustic signaling device 7 = coordinate switch														
Design of the actuator/lock	e.g. A = flat														
Function	e.g. B = momentary contact														
Color/key removal position	e.g. 10 = black, 20 = red														
Connection method	1 = screw terminals 3 = spring-type terminals														
Module/holder equipment incl. 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	0 = standard, 1 = ATEX														
<b>Example</b>	<b>3SU1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>A</b>	<b>A</b>	<b>1</b>	<b>0</b>	<b>-</b>	<b>1</b>	<b>B</b>	<b>A</b>	<b>0</b>

### Compact units

Digit of the Article No.	1 <sup>st</sup> - 4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>	13 <sup>th</sup>	14 <sup>th</sup>	15 <sup>th</sup>	16 <sup>th</sup>		
	□□□□	□	□	□	-	□	□	□	□	-	□	□	□		
<b>SIRIUS ACT pushbuttons and indicator lights</b>	<b>3SU1</b>														
Device type	2 = compact units														
Material (front ring)	0 = plastic, black 3 = metal, matte (front ring) plastic, black (collar) 5 = metal, shiny 6 = metal, matte														
Illumination	0 = non illuminated 1 = illuminated/non-illuminated														
Type of actuator/indicator	0 = pushbutton 1 = sensor switch 2 = potentiometer 6 = indicator light/acoustic signaling device														
Design of the actuator/lock	e.g. A = flat														
Function (voltage/resistance)	e.g. B = 24 V AC/DC														
Color	e.g. 10 = black, 20 = red														
Connection method	0 = none 1 = screw terminals 2 = M12 connection, 4-pole 3 = spring-type terminals														
Module/holder equipment incl. 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	0 = standard, 1 = ATEX														
<b>Example</b>	<b>3SU1</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>-</b>	<b>6</b>	<b>A</b>	<b>B</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>1</b>	<b>A</b>	<b>A</b>	<b>0</b>

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# SIRIUS ACT Pushbuttons and Indicator Lights

## General data

### Modules for actuators and indicators

Digit of the Article No.	1 <sup>st</sup> - 4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>	13 <sup>th</sup>	14 <sup>th</sup>	15 <sup>th</sup>	16 <sup>th</sup>		
	□□□□	□	□	□	-	□	□	□	□	-	□	□	□		
<b>SIRIUS ACT pushbuttons and indicator lights</b>	<b>3SU1</b>														
Device type	4 = modules for actuators and indicators		<b>4</b>												
Material (front ring)	0 = plastic, black		<input type="checkbox"/>												
Illumination	0 = non-illuminated 1 = illuminated		<input type="checkbox"/>												
Type of mounting	1 = front plate mounting 2 = base mounting 3 = printed-circuit board		<input type="checkbox"/>												
Module type	A = contact module B = LED module C = LED test module D = support terminal E = AS-Interface module G = electronic module for ID key-operated switch		<input type="checkbox"/>												
Function/voltage	e.g. B = 24 V AC/DC		<input type="checkbox"/>												
Color	e.g. 10 = black, 20 = red		<input type="checkbox"/> <input type="checkbox"/>												
Connection method	1 = screw terminals 2 = screw terminals + insulation piercing method 3 = spring-type terminals 4 = spring-type terminals + insulation piercing method 5 = socket terminals		<input type="checkbox"/>												
Module equipment incl. contact material	e.g. A = none B = 1 NO contact, silver C = 1 NC contact, silver		<input type="checkbox"/>												
Marking	A = none		<input type="checkbox"/>												
Ambient condition	0 = standard, 1 = ATEX		<input type="checkbox"/>												
<b>Example</b>	<b>3SU1</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>1</b>	<b>A</b>	<b>A</b>	<b>1</b>	<b>0</b>	<b>-</b>	<b>1</b>	<b>B</b>	<b>A</b>	<b>0</b>

### Holders

Digit of the Article No.	1 <sup>st</sup> - 4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>	13 <sup>th</sup>	14 <sup>th</sup>	15 <sup>th</sup>	16 <sup>th</sup>		
	□□□□	□	□	□	-	□	□	□	□	-	□	□	□		
<b>SIRIUS ACT pushbuttons and indicator lights</b>	<b>3SU1</b>														
Device type	5 = holder		<b>5</b>												
Material (front ring)	0 = plastic, black 5 = metal, shiny		<input type="checkbox"/>												
Illumination	0 = non-illuminated 1 = illuminated		<input type="checkbox"/>												
Type of mounting	0 = none 1 = front plate mounting		<input type="checkbox"/>												
Holder type	A = 3x A B = 4x B		<input type="checkbox"/>												
Function/voltage	A = none G = 6 ... 24 V AC/DC		<input type="checkbox"/>												
Color	e.g. 10 = black, 20 = red		<input type="checkbox"/> <input type="checkbox"/>												
Connection method	0 = none 1 = screw terminals		<input type="checkbox"/>												
Module equipment incl. contact material and slot	e.g. A = none B = 1 NO contact, silver C = 1 NC contact, silver		<input type="checkbox"/>												
Marking	A = none		<input type="checkbox"/>												
Ambient condition	0 = standard, 1 = ATEX		<input type="checkbox"/>												
<b>Example</b>	<b>3SU1</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>A</b>	<b>A</b>	<b>1</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>A</b>	<b>A</b>	<b>0</b>

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### Enclosures

Digit of the Article No.	1 <sup>st</sup> - 4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	-	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>	-	13 <sup>th</sup>	14 <sup>th</sup>	15 <sup>th</sup>	16 <sup>th</sup>	
	□□□□	□	□	□	-	□	□	□	□	□	-	□	□	□	□	
<b>SIRIUS ACT pushbuttons and indicator lights</b>	<b>3SU1</b>															
Device type	8 = enclosure															
		8														
Material (enclosure/front ring)	0 = plastic, black plastic 5 = metal, shiny metal															
			□													
Number of command points	1 = 1 command point ... 6 = 6 command points															
				□												
Type of enclosure	0 = surface-mounted 1 = 4-position selector and coordinate switch 2 = palm switch 3 = two-hand operation console															
						□										
Equipment	e.g. command point, inscription, module															
							□	□								
Communication capability	0 = none 1 = AS-i															
									□							
Ambient condition	0 = standard 1 = ATEX															
										□						
Mounting/connection of modules	0 = none 1 = front plate mounting, screw terminals 2 = base mounting, screw terminals 3 = base mounting, spring-type terminals															
												□				
Cable exit from enclosure	A = none G = direct entry of AS-i flat cable at top/on right H = ASi insulation piercing method at top/on right															
													□			
Design of enclosure top	A = command point in center B = with recess for labeling plate C = with protective collar D = 4 additional holes (two-hand operation console) E = 8 additional premachined breaking points (two-hand operation console)															
															□	
Color of enclosure top	1 = gray 2 = yellow															
																□
<b>Example</b>	<b>3SU1</b>	<b>8</b>	<b>0</b>	<b>1</b>	<b>-</b>	<b>0</b>	<b>A</b>	<b>A</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>A</b>	<b>A</b>	<b>2</b>	

### Accessories

Digit of the Article No.	1 <sup>st</sup> - 4 <sup>th</sup>	5 <sup>th</sup>	6 <sup>th</sup>	7 <sup>th</sup>	-	8 <sup>th</sup>	9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>	-	13 <sup>th</sup>	14 <sup>th</sup>	15 <sup>th</sup>	16 <sup>th</sup>	
	□□□□	□	□	□	-	□	□	□	□	□	-	□	□	□	□	
<b>SIRIUS ACT pushbuttons and indicator lights</b>	<b>3SU1</b>															
Device type	9 = accessories															
		9														
Material	0 = plastic, black 3 = metal/plastic 5 = metal, shiny 6 = metal, matte															
			□													
Illumination	0 = non-illuminated 1 = illuminated															
				□												
Type of accessory (labels, protection, actuator, enclosure)	e.g. 0AB = insert label															
						□	□	□								
Color	e.g. 10 = black, 20 = red															
									□	□						
Marking	e.g. 0AA = none 0AB = ON 0AT = EMERGENCY STOP															
												□	□	□		
Ambient condition	0 = standard 1 = ATEX															
															□	
<b>Example</b>	<b>3SU1</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>A</b>	<b>B</b>	<b>7</b>	<b>1</b>	<b>-</b>	<b>0</b>	<b>A</b>	<b>B</b>	<b>0</b>	

### Note:

The Article No. scheme is presented here merely for information purposes and for better understanding of the logic behind the article numbers.  
For your orders, please use the article numbers quoted in the Catalog in the Selection and ordering data.

## General data

### Benefits

#### Highlights of SIRIUS ACT

##### Design

- Improved look of the system
- Combination of design and functionality

##### Easy handling

- Self-explanatory and fast installation
- One-handed installation
- 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
- Simple geometry for mounting holes

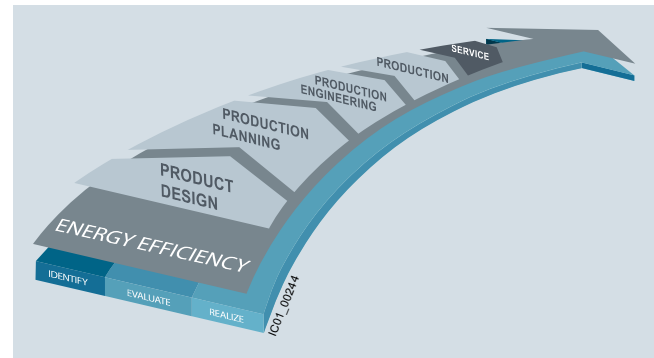
##### Ruggedness

- Media resistance
- Suitable for use in extreme environments
- Design stability according to use

##### Communication

- Connection to the most commonly used communication systems (PROFINET, AS-Interface, IO-Link)
- Can be integrated easily via the TIA Portal

#### Advantages through energy efficiency



Energy management in industry

Overview of the energy management process

We offer you a unique portfolio for industrial energy management, using an energy management system that helps to optimally define your energy needs. We split up our industrial energy management into three phases – identify, evaluate, and realize – and we support you with the appropriate hardware and software solutions in every process phase.

The innovative products of the SIRIUS industrial controls portfolio can also make a substantial contribution to a plant's energy efficiency (see [www.siemens.com/sirius/energysaving](http://www.siemens.com/sirius/energysaving)).

SIRIUS ACT pushbuttons and indicator lights contribute to energy efficiency throughout the plant as follows:

- Lower power consumption by means of LED technology
- Long service life

### Application

#### Environmental conditions

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

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

The pushbuttons and indicator lights can also be used in hazardous areas. Special versions of the 3SU1400 contact modules and 3SU1401 LED modules (only with screw terminals).

Explosion protection category for dust:  
II 2D Ex tb IIIC T120°C Db

#### Safety EMERGENCY STOP pushbuttons according to ISO 13850

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

#### Safety circuits

The IEC 60947-5-1 and EN 60947-5-1 standards require positive opening. This means that for the purposes of personal safety, the assured opening of NC contacts is expressly stipulated for the electrical equipment of machines in all safety circuits and marked according to IEC 60947-5-1 with the symbol (☞).

Category 4 according to EN 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, the 3RK3 Modular Safety System (see [Catalog IC 14, Chapter 13, "Safety Systems"](#)) 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 module
- 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

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		3SU1..0-HC	
Product version	<b>Pushbutton</b>									
<b>Operating principle of actuating element</b>	Latching				Momentary contact				Momentary contact, latching	
<b>Optional expansion of product by light source</b>	No		Yes		No		Yes		No	
<b>Mechanical endurance (operating cycles) typical</b>	1 000 000				10 000 000		3 000 000		1 000 000	
<b>Switching frequency maximum</b>	1/h	1 800			3 600			1 800		
<b>Shock resistance for devices without incandescent lamp</b> acc. to IEC 60068-2-27	11 ms, 50 g, half-sine									
<b>Vibration resistance</b> acc. to IEC 60068-2-6	20 ... 500 Hz: 5 g									
<b>IP degree of protection</b>	IP66, IP67, IP69K; NEMA Type 1, 3, 3R, 4, 4X, 12 <sup>1)</sup>									
<b>Climate class in operation</b> acc. to EN 60721	3K6, 3C3, 3S2, 3M6									
<b>Ambient temperature</b>										
• 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 3SU1.50-AD 3SU1.50-BD 3SU1.50-CD		3SU1.50-ED		3SU1.01-AD 3SU1.01-BD 3SU1.31-AD 3SU1.31-BD	
Product version	<b>Mushroom pushbutton</b>													
<b>Operating principle of actuating element</b>	Latching						Momentary contact							
<b>Optional expansion of product by light source</b>	No						Yes		No				Yes	
<b>Mechanical endurance (operating cycles) typical</b>	500 000				300 000		500 000		10 000 000		300 000		3 000 000	
<b>Switching frequency maximum</b>	1/h	3 600		1 800		3 600				1 800		3 600		
<b>Shock resistance for devices without incandescent lamp</b> acc. to IEC 60068-2-27	11 ms, 50 g, half-sine													
<b>Vibration resistance</b> acc. to IEC 60068-2-6	20 ... 500 Hz: 5 g													
<b>IP degree of protection</b>	IP66, IP67, IP69K; NEMA Type 1, 3, 3R, 4, 4X, 12													
<b>Climate class in operation</b> acc. to EN 60721	3K6, 3C3, 3S2, 3M6													
<b>Ambient temperature</b>														
• During operation	°C	-25 ... +70												
• During storage	°C	-40 ... +80												

Type	3SU1...-N		3SU1...-L		3SU1...-J		3SU1...-H		3SU1...-G	
Product version	<b>EMERGENCY STOP mushroom pushbutton</b>									
<b>Mechanical endurance (operating cycles) typical</b>	300 000									
<b>Switching frequency maximum</b>	1/h	600								
<b>Shock resistance for devices without incandescent lamp</b> acc. to IEC 60068-2-27	11 ms, 50 g, half-sine									
<b>Vibration resistance</b> acc. to IEC 60068-2-6	2 ... 500 Hz: 5 g									
<b>IP degree of protection</b>	IP66, IP67, IP69K; NEMA Type 1, 3, 3R, 4, 4X, 12									
<b>Climate class in operation</b> acc. to EN 60721	3K6, 3C3, 3S2, 3M6									
<b>Ambient temperature</b>										
• During operation	°C	-25 ... 70								
• During storage	°C	-40 ... 80								

<sup>1)</sup> UL pending for illuminated and non-illuminated Twin Pushbutton and illuminated Pushbutton NEMA Type 1, 3, 3R, 4 and 4X

# SIRIUS ACT Pushbuttons and Indicator Lights




## General data




Type	3SU1...-2A	3SU1...-2B 3SU1...-2C 3SU1...-2D 3SU1...-2E	3SU1...-3E	3SU1...-4B 3SU1...-4C 3SU1...-4D 3SU1...-4F 3SU1...-4G 3SU1...-4H 3SU1...-4J 3SU1...-4L	3SU1...-5B 3SU1...-5H 3SU1...-5J 3SU1...-5K 3SU1...-5L 3SU1...-5P 3SU1...-5Q 3SU1...-5R 3SU1...-5S 3SU1...-5T 3SU1...-5X	3SU1...-7A 3SU1...-7B
Product version	Rotary knob	Selector switch	Toggle switch	Key-operated switch		Coordinate switch
<b>Mechanical endurance (operating cycles) typical</b>	1 000 000					250 000
<b>Switching frequency maximum</b>	1/h	1 800				3 600
<b>Shock resistance for devices without incandescent lamp</b> acc. to IEC 60068-2-27	11 ms, 50 g, half-sine					
<b>Vibration resistance</b> acc. to IEC 60068-2-6	10 ... 500 Hz: 5 g					
<b>IP degree of protection</b>	IP66, IP67, IP69K; NEMA Type 1, 3, 3R, 4, 4X, 12 <sup>1)</sup>					
<b>Ambient temperature</b>						
• During operation	°C	-25 ... +70				
• During storage	°C	-40 ... +80				

Type	3SU1400-.....-1	3SU1400-.....-3	3SU1400-.....-5
Product version	Contact module		
<b>Insulation voltage rated value</b>	V	500	
<b>Pollution degree</b>	3		
<b>Impulse withstand voltage rated value</b>	kV	6	
<b>Operational voltage type</b>	AC/DC		
<b>Operational voltage</b>			
• At AC			
- Rated value	V	5 ... 500	
• At DC			
- Rated value	V	5 ... 500	
<b>Thermal current</b>	A	10	
<b>Operational current, rated value</b>			
• At AC-12			
- At 24 V	A	10	
- At 230 V	A	10	
- At 500 V	A	10	
• At AC-15			
- At 24 V	A	6	
- At 230 V	A	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	
- At 400 V	A	0.3	
- At 500 V	A	0.2	
• At DC-13			
- At 24 V	A	3	
- At 48 V	A	1.5	
- At 110 V	A	0.7	
- At 230 V	A	0.3	
- At 400 V	A	0.1	
- At 500 V	A	0.07	
<b>Contact reliability</b>	One contact failure per 100 million switching operations (17 V, 5 mA), One contact failure per 10 million switching operations (5 V, 1 mA)		
<b>Mechanical endurance (operating cycles) typical</b>	10 000 000		
<b>Switching frequency maximum</b>	1/s	1	

<sup>1)</sup> UL pending for plastic with metal matte front ring and 30 mm flat metal matte Key-operated switch NEMA Type 1, 3, 3R, 4, 4X, 12 and 22 mm shiny metal Key-operated switch NEMA Type 1, 4X (indoor use only) and 12.



Type		3SU1400-.....-1	3SU1400-.....-3	3SU1400-.....-5
Product version		<b>Contact module</b>		
<b>Fuse link version required for short-circuit protection of the auxiliary switch with type of coordination 1</b>		gG / Dz 10 A, quick-response / Dz 16 A		
<b>Continuous current of miniature circuit breaker C characteristic</b>	A	10		
<b>Vibration resistance</b> acc. to IEC 60068-2-6		2 ... 500 Hz: 5 g		
<b>Shock resistance for devices without incandescent lamp</b> acc. to IEC 60068-2-27		11 ms, 50 g, half-sine		
<b>Climate class in operation</b> acc. to EN 60721		3K6, 3C3, 3S2, 3M6		
<b>Ambient temperature</b>				
• During operation	°C	-25 ... +70		
• During storage	°C	-40 ... +80		
<b>IP degree of protection</b>				
• of the enclosure		IP40		
• of the terminal		IP20		
<b>Type of electrical connection</b>		<b>Screw terminals</b> 	<b>Spring-type terminals</b> 	<b>Socket terminals (THT)</b> 
<b>Type of connectable conductor cross-sections</b>				
• For auxiliary contacts				
- Solid		2 x (1.0 .. 1.5 mm <sup>2</sup> )	2 x (0.25 .. 1.5 mm <sup>2</sup> )	0.8 mm x 0.8 mm x 4 mm
- With end sleeves		2 x (0.5 .. 0.75 mm <sup>2</sup> )		--
- Finely stranded				
- Without end sleeves		2 x (0.5 .. 0.75 mm <sup>2</sup> )	2 x (0.25 .. 1.5 mm <sup>2</sup> )	--
- With end sleeves		2 x (0.5 .. 1.5 mm <sup>2</sup> )	2 x (0.25 .. 0.75 mm <sup>2</sup> )	--
• For AWG cables for auxiliary contacts		2 x (18 ... 14)	2 x (24 ... 16)	--
<b>Tightening torque</b>				
• For screw terminals	Nm	0.8 ... 0.9	--	--


Type		3SU1401-.....-1	3SU1401-.....-3	3SU1401-.....-5
Product version		<b>LED module</b>		
<b>Light source integrated in product</b>		Yes		
<b>Type of light source</b>		LED		
<b>Insulation voltage rated value</b>	V	320		
<b>Pollution degree</b>		3		
<b>Impulse withstand voltage rated value</b>	kV	4		
<b>Operating time typical</b>	h	100 000		
<b>Vibration resistance</b> acc. to IEC 60068-2-6		2 ... 500 Hz: 5 g		
<b>Shock resistance for devices without incandescent lamp</b> acc. to IEC 60068-2-27		11 ms, 50 g, half-sine		
<b>Climate class in operation</b> acc. to EN 60721		3K6, 3C3, 3S2, 3M6		
<b>Ambient temperature</b>				
• During operation	°C	-25 ... +70		
• During storage	°C	-40 ... +80		
<b>IP degree of protection of the terminal</b>		IP20		
<b>Type of electrical connection</b>		<b>Screw terminals</b> 	<b>Spring-type terminals</b> 	<b>Socket terminals (THT)</b> 

# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, 22 mm, Round, Plastic, Black Complete Units


### Pushbuttons

#### Selection and ordering data

Supply voltage for light source		Color	Number of NO contacts	Number of NC contacts	DT	Screw terminals 	PU (UNIT, SET, M)	PS*
At AC	At DC							
V	V					Order No.		


#### Pushbuttons

##### Pushbuttons with flat button, momentary contact

	--	--	Black	1	0	▶	<b>3SU1100-0AB10-1BA0</b>	1	1 unit
				0	1	▶	<b>3SU1100-0AB10-1CA0</b>	1	1 unit
			Red	1	0	A	<b>3SU1100-0AB20-1BA0</b>	1	1 unit
				0	1	▶	<b>3SU1100-0AB20-1CA0</b>	1	1 unit
			Yellow	1	0	B	<b>3SU1100-0AB30-1BA0</b>	1	1 unit
			Green	1	0	▶	<b>3SU1100-0AB40-1BA0</b>	1	1 unit
			Blue	1	0	A	<b>3SU1100-0AB50-1BA0</b>	1	1 unit
			White	1	0	A	<b>3SU1100-0AB60-1BA0</b>	1	1 unit
Clear	1	0	B	<b>3SU1100-0AB70-1BA0</b>	1	1 unit			


3SU1100-0AB40-1BA0

##### Pushbuttons with raised button, momentary contact


	--	--	Black	0	1	B	<b>3SU1100-0BB10-1CA0</b>	1	1 unit
			Red	0	1	▶	<b>3SU1100-0BB20-1CA0</b>	1	1 unit
			Blue	1	0	B	<b>3SU1100-0BB50-1BA0</b>	1	1 unit

3SU1100-0BB20-1CA0

##### Illuminated pushbuttons with flat button, momentary contact with integrated LED

	24	24	Red	1	0	B	<b>3SU1102-0AB20-1BA0</b>	1	1 unit
				0	1	▶	<b>3SU1102-0AB20-1CA0</b>	1	1 unit
			Yellow	1	0	▶	<b>3SU1102-0AB30-1BA0</b>	1	1 unit
			Green	1	0	▶	<b>3SU1102-0AB40-1BA0</b>	1	1 unit
			Blue	1	0	A	<b>3SU1102-0AB50-1BA0</b>	1	1 unit
			White	1	0	A	<b>3SU1102-0AB60-1BA0</b>	1	1 unit
Clear	1	0	A	<b>3SU1102-0AB70-1BA0</b>	1	1 unit			

3SU1102-0AB40-1BA0


	110	--	Red	0	1	B	<b>3SU1103-0AB20-1CA0</b>	1	1 unit
			Yellow	1	0	B	<b>3SU1103-0AB30-1BA0</b>	1	1 unit
			Green	1	0	B	<b>3SU1103-0AB40-1BA0</b>	1	1 unit
			Blue	1	0	B	<b>3SU1103-0AB50-1BA0</b>	1	1 unit
			White	1	0	B	<b>3SU1103-0AB60-1BA0</b>	1	1 unit
			Clear	1	0	B	<b>3SU1103-0AB70-1BA0</b>	1	1 unit

3SU1103-0AB20-1CA0

# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, 22 mm, Round, Plastic, Black Complete Units

### Pushbuttons

Supply voltage for light source		Color	Number of NO contacts	Number of NC contacts	DT	Screw terminals 	PU (UNIT, SET, M)	PS*
At AC	At DC							
V	V					Order No.		

#### Pushbuttons

##### Illuminated pushbuttons with flat button, momentary contact with integrated LED



3SU1106-0AB40-1BA0

230	--	Red	0	1	B	3SU1106-0AB20-1CA0	1	1 unit
		Yellow	1	0	B	3SU1106-0AB30-1BA0	1	1 unit
		Green	1	0	B	3SU1106-0AB40-1BA0	1	1 unit
		Blue	1	0	B	3SU1106-0AB50-1BA0	1	1 unit
		White	1	0	B	3SU1106-0AB60-1BA0	1	1 unit
		Clear	1	0	B	3SU1106-0AB70-1BA0	1	1 unit

##### Spring-type terminals

##### Pushbuttons with flat button, momentary contact



3SU1100-0AB30-3BA0

--	--	Black	1	0	B	3SU1100-0AB10-3BA0	1	1 unit
			0	1	B	3SU1100-0AB10-3CA0	1	1 unit
		Red	0	1	B	3SU1100-0AB20-3CA0	1	1 unit
		Yellow	1	0	B	3SU1100-0AB30-3BA0	1	1 unit
		Green	1	0	B	3SU1100-0AB40-3BA0	1	1 unit
		Blue	1	0	B	3SU1100-0AB50-3BA0	1	1 unit
		White	1	0	B	3SU1100-0AB60-3BA0	1	1 unit

##### Illuminated pushbuttons with flat button, momentary contact with integrated LED



3SU1102-0AB20-3CA0

24	24	Red	0	1	B	3SU1102-0AB20-3CA0	1	1 unit
		Yellow	1	0	B	3SU1102-0AB30-3BA0	1	1 unit
		Green	1	0	B	3SU1102-0AB40-3BA0	1	1 unit
		Blue	1	0	B	3SU1102-0AB50-3BA0	1	1 unit
		White	1	0	B	3SU1102-0AB60-3BA0	1	1 unit
		Clear	1	0	B	3SU1102-0AB70-3BA0	1	1 unit

110	--	Red	0	1	B	3SU1103-0AB20-3CA0	1	1 unit
		Green	1	0	B	3SU1103-0AB40-3BA0	1	1 unit
		White	1	0	B	3SU1103-0AB60-3BA0	1	1 unit
		Clear	1	0	B	3SU1103-0AB70-3BA0	1	1 unit


230	--	Red	0	1	B	3SU1106-0AB20-3CA0	1	1 unit
		Green	1	0	B	3SU1106-0AB40-3BA0	1	1 unit
		White	1	0	B	3SU1106-0AB60-3BA0	1	1 unit
		Clear	1	0	B	3SU1106-0AB70-3BA0	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, 22 mm, Round, Plastic, Black Complete Units

### Mushroom pushbuttons / EMERGENCY STOP mushroom pushbuttons

#### Selection and ordering data


Unlatching method	Number of NO contacts	Number of NC contacts	DT	Screw terminals 	PU (UNIT, SET, M)	PS*
				Order No.		

#### Mushroom pushbuttons


##### With red mushroom, diameter 40 mm, latching



3SU1100-1BA20-3CA0

Pull to unlatch	0	1		▶	<b>3SU1100-1BA20-1CA0</b>	1	1 unit
					<b>Spring-type terminals</b> 		
Pull to unlatch	0	1		B	<b>3SU1100-1BA20-3CA0</b>	1	1 unit

#### Selection and ordering data


Unlatching method	Number of NO contacts	Number of NC contacts	Marking	DT	Screw terminals 	PU (UNIT, SET, M)	PS*
					Order No.		

#### EMERGENCY STOP mushroom pushbuttons, tamper-proof, in accordance with ISO 13850 and IEC 60947-5-5

##### With red mushroom, diameter 40 mm, with positive latching





3SU1100-1HA20-1CH0

Pull to unlatch	0	1	NOT-HALT		B	<b>3SU1100-1HA20-1CH0</b>	1	1 unit
-----------------	---	---	----------	---	---	---------------------------	---	--------






3SU1100-1HB20-1CG0

Rotate to unlatch	0	1	None		B	<b>3SU1100-1HB20-1CF0</b>	1	1 unit
	0	1	EMERGENCY STOP		▶	<b>3SU1100-1HB20-1CG0</b>	1	1 unit




3SU1100-1HB20-3CH0

						<b>Spring-type terminals</b> 		
Rotate to unlatch	0	1	NOT-HALT		▶	<b>3SU1100-1HB20-3CH0</b>	1	1 unit

 Positive opening according to IEC 60947-5-1, Appendix K.  
Can be used with 3SK 11 safety relays or the 3RK3 Modular Safety System;  
see Catalog IC 14, Chapter 13, "Safety Systems".  
Certificate:



**Selection and ordering data**

Operating principle	Supply voltage	Number of NO contacts	Number of NC contacts	DT	Screw terminals 	PU (UNIT, SET, M)	PS*
	V				Order No.		

**Selector switches**



3SU1100-2BF60-1BA0

**Short black actuator, 2 switch positions, can be illuminated, white**

Latching, 90°	--	1	0	▶	<b>3SU1100-2BF60-1BA0</b>	1	1 unit
	--	1	1	▶	<b>3SU1100-2BF60-1MA0</b>	1	1 unit
	--	1	0	B	<b>3SU1103-2BF60-1BA0</b>	1	1 unit

**Short black actuator, 3 switch positions, can be illuminated, white**


Momentary contact, 2x45°, reset from left + right	--	2	0	▶	<b>3SU1100-2BM60-1NA0</b>	1	1 unit
---	----	---	---	---	---------------------------	---	--------



Latching, 2x45°	--	2	0	▶	<b>3SU1100-2BL60-1NA0</b>	1	1 unit
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**Short black actuator, 2 switch positions, can be illuminated, white**

					Spring-type terminals 		
Latching, 90°	--	1	0	B	<b>3SU1100-2BF60-3BA0</b>	1	1 unit
	--	1	1	B	<b>3SU1100-2BF60-3MA0</b>	1	1 unit

**Short black actuator, 3 switch positions, can be illuminated, white**

Momentary contact, 2x45°, reset from left + right	--	2	0	B	<b>3SU1100-2BM60-3NA0</b>	1	1 unit
---	----	---	---	---	---------------------------	---	--------



Latching, 2x45°	--	2	0	B	<b>3SU1100-2BL60-3NA0</b>	1	1 unit
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3SU1100-2BL60-3NA0

# SIRIUS ACT Pushbuttons and Indicator Lights







## Actuators and Indicators, 22 mm, Round, Plastic, Black Complete Units

### Key-operated switches

#### Selection and ordering data

Operating principle	Switch position for key removal	Number of NO contacts	Number of NC contacts	DT	Screw terminals 	PU (UNIT, SET, M)	PS*
					Order No.		

#### Key-operated switches with 2 keys

 <p>3SU1100-4BF11-1BA0</p>	<b>With Ronis lock, SB30, 2 switch positions (O+I)</b> Latching, 90° (10:30/1:30 o'clock) 	O+I	1	0	▶	<b>3SU1100-4BF11-1BA0</b>	1	1 unit
	<b>With Ronis lock, SB30, 3 switch positions (I+O+II)</b> Latching, 2x45° (10:30/1:30 o'clock) 	O+I+II	2	0	▶	<b>3SU1100-4BL11-1NA0</b>	1	1 unit
 <p>3SU1100-4BF11-3BA0</p>	<b>With Ronis lock, SB30, 2 switch positions (O+I)</b> Latching, 90° (10:30/1:30 o'clock) 	O+I	1	0	B	<b>Spring-type terminals</b>  <b>3SU1100-4BF11-3BA0</b>	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, 22 mm, Round, Plastic, Black Complete Units

### Indicator lights

#### Selection and ordering data

Operational voltage At AC, rated value	Operational voltage At DC, rated value	Color Of actuating element	Color Of light source	DT	Screw terminals	PU (UNIT, SET, M)	PS*	
								Order No.
<b>Indicator lights</b>								
<b>With smooth lens and integrated LED</b>								
 3SU1102-6AA30-1AA0	24	24	Red	Red	▶	3SU1102-6AA20-1AA0 3SU1102-6AA30-1AA0 3SU1102-6AA40-1AA0 3SU1102-6AA50-1AA0 3SU1102-6AA60-1AA0 3SU1102-6AA70-1AA0	1	1 unit
			Yellow	Yellow	▶		1	1 unit
			Green	Green	▶		1	1 unit
			Blue	Blue	▶		1	1 unit
			White	White	▶		1	1 unit
			Clear	White	A		1	1 unit
 3SU1103-6AA00-1AA0	110	--	Amber	Amber	▶	3SU1103-6AA00-1AA0 3SU1103-6AA20-1AA0 3SU1103-6AA30-1AA0 3SU1103-6AA40-1AA0 3SU1103-6AA50-1AA0 3SU1103-6AA60-1AA0 3SU1103-6AA70-1AA0	1	1 unit
			Red	Red	A		1	1 unit
			Yellow	Yellow	A		1	1 unit
			Green	Green	A		1	1 unit
			Blue	Blue	B		1	1 unit
			White	White	A		1	1 unit
			Clear	White	B		1	1 unit
 3SU1106-6AA50-1AA0	230	--	Amber	Amber	▶	3SU1106-6AA00-1AA0 3SU1106-6AA20-1AA0 3SU1106-6AA30-1AA0 3SU1106-6AA40-1AA0 3SU1106-6AA50-1AA0 3SU1106-6AA60-1AA0 3SU1106-6AA70-1AA0	1	1 unit
			Red	Red	A		1	1 unit
			Yellow	Yellow	A		1	1 unit
			Green	Green	A		1	1 unit
			Blue	Blue	B		1	1 unit
			White	White	A		1	1 unit
			Clear	White	B		1	1 unit
			 3SU1102-6AA20-3AA0	24	24		Red	Red
Yellow	Yellow	B				1	1 unit	
Green	Green	B				1	1 unit	
Blue	Blue	B				1	1 unit	
White	White	B				1	1 unit	
Clear	White	B				1	1 unit	
 3SU1102-6AA40-3AA0	110	--				Red	Red	B
			Yellow	Yellow	B	1	1 unit	
			Green	Green	B	1	1 unit	
			Blue	Blue	B	1	1 unit	
			White	White	B	1	1 unit	
			Clear	White	B	1	1 unit	
 3SU1106-6AA60-3AA0	230	--	Red	Red	B	3SU1106-6AA20-3AA0 3SU1106-6AA30-3AA0 3SU1106-6AA40-3AA0 3SU1106-6AA50-3AA0 3SU1106-6AA60-3AA0 3SU1106-6AA70-3AA0	1	1 unit
			Yellow	Yellow	B		1	1 unit
			Green	Green	B		1	1 unit
			Blue	Blue	B		1	1 unit
			White	White	B		1	1 unit
			Clear	White	B		1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, 22 mm, Round, Plastic, Black Compact Units

### Sensor switches / Pushbuttons with extended stroke

#### Selection and ordering data

Operating principle	Number of NO contacts	Number of NC contacts	Color	DT	M12 connector, 4-pin	PU (UNIT, SET, M)	PS*
Without pressure	1	0	Black	A	Order No.	1	1 unit

#### Sensor switches



3SU1200-1SK10-2SA0

Whether integrated in the two-hand operation console or installed as a door opening contact, the capacitive sensor switch is suitable for many different applications in industrial environments.

The switch is actuated by simple contact with the hand or other part of the body (i.e. without the application of pressure). As a result, these switches are rugged, extremely durable and have the highest possible degree of protection (IP69K).

Without pressure	1	0	Black	A	<b>3SU1200-1SK10-2SA0</b>	1	1 unit
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#### Selection and ordering data

Version	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
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#### Pushbuttons with extended stroke



3SU1200-0EB20-0AA0

<b>Pushbuttons with flat button</b>	Red	B	<b>3SU1200-0EB20-0AA0</b>	1	1 unit
	Green	B	<b>3SU1200-0EB40-0AA0</b>	1	1 unit



3SU1200-0FB10-0AA0

<b>Pushbuttons with raised button</b>	Black	A	<b>3SU1200-0FB10-0AA0</b>	1	1 unit
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3SU1201-0EB70-0AA0

<b>Illuminated pushbuttons with flat button</b>	Red	A	<b>3SU1201-0EB20-0AA0</b>	1	1 unit
	Clear	A	<b>3SU1201-0EB70-0AA0</b>	1	1 unit

Version	Material	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
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#### Accessories



3SU1900-0KG10-0AA0

<b>Extension plungers</b>	Plastic	Black	A	<b>3SU1900-0KG10-0AA0</b>	1	1 unit
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For compensation of the distance between the pushbutton and the unlatching button of an overload relay



# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, 22 mm, Round, Plastic, Black Actuating and Signaling Elements

### Pushbuttons

#### Selection and ordering data

Version of actuating element Front ring version	Operating principle Unlatching method	Color, marking	DT	Order No.	PU (UNIT, SET, M)	PS*	
<b>Pushbuttons</b>							
 3SU1000-0AB20-0AD0	<b>Pushbuttons with flat button</b> Standard	Momentary contact	Black	▶	3SU1000-0AB10-0AA0	1	1 unit
		Black, "O"	B	3SU1000-0AB10-0AD0	1	1 unit	
		Red	▶	3SU1000-0AB20-0AA0	1	1 unit	
		Red, "O"	A	3SU1000-0AB20-0AD0	1	1 unit	
		Yellow	▶	3SU1000-0AB30-0AA0	1	1 unit	
		Green	▶	3SU1000-0AB40-0AA0	1	1 unit	
		Green, "I"	A	3SU1000-0AB40-0AC0	1	1 unit	
		Blue	▶	3SU1000-0AB50-0AA0	1	1 unit	
		Blue, "R"	▶	3SU1000-0AB50-0AR0	1	1 unit	
		White	▶	3SU1000-0AB60-0AA0	1	1 unit	
		White, "I"	B	3SU1000-0AB60-0AC0	1	1 unit	
		Clear	A	3SU1000-0AB70-0AA0	1	1 unit	
		Gray	B	3SU1000-0AB80-0AA0	1	1 unit	
 3SU1000-0AA30-0AA0	Latching Push to unlatch	Black	▶	3SU1000-0AA10-0AA0	1	1 unit	
		Red	▶	3SU1000-0AA20-0AA0	1	1 unit	
		Yellow	▶	3SU1000-0AA30-0AA0	1	1 unit	
		Green	▶	3SU1000-0AA40-0AA0	1	1 unit	
		Blue	▶	3SU1000-0AA50-0AA0	1	1 unit	
		White	▶	3SU1000-0AA60-0AA0	1	1 unit	
 3SU1000-0BB30-0AA0	<b>Pushbuttons with raised button</b> Standard	Momentary contact	Black	▶	3SU1000-0BB10-0AA0	1	1 unit
		Red	▶	3SU1000-0BB20-0AA0	1	1 unit	
		Yellow	▶	3SU1000-0BB30-0AA0	1	1 unit	
		Green	▶	3SU1000-0BB40-0AA0	1	1 unit	
		Blue	▶	3SU1000-0BB50-0AA0	1	1 unit	
		White	▶	3SU1000-0BB60-0AA0	1	1 unit	
 3SU1000-0CB40-0AA0	<b>Pushbuttons with flat button</b> Raised	Momentary contact	Black	B	3SU1000-0CB10-0AA0	1	1 unit
		Red	B	3SU1000-0CB20-0AA0	1	1 unit	
		Yellow	B	3SU1000-0CB30-0AA0	1	1 unit	
		Green	B	3SU1000-0CB40-0AA0	1	1 unit	
		Blue	B	3SU1000-0CB50-0AA0	1	1 unit	
		White	B	3SU1000-0CB60-0AA0	1	1 unit	
 3SU1000-0DB50-0AA0	<b>Pushbuttons with flat button</b> Raised, castellated	Momentary contact	Black	B	3SU1000-0DB10-0AA0	1	1 unit
		Red	B	3SU1000-0DB20-0AA0	1	1 unit	
		Yellow	B	3SU1000-0DB30-0AA0	1	1 unit	
		Green	B	3SU1000-0DB40-0AA0	1	1 unit	
		Blue	B	3SU1000-0DB50-0AA0	1	1 unit	
		White	B	3SU1000-0DB60-0AA0	1	1 unit	

# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, 22 mm, Round, Plastic, Black Actuating and Signaling Elements

### Pushbuttons

Version of actuating element Front ring version	Operating principle Unlatching method	Color	DT	Order No.	PU (UNIT, SET, M)	PS*	
<b>Pushbuttons</b>							
 3SU1001-0AB40-0AA0	<b>Illuminated pushbuttons with flat button</b> Standard	Momentary contact	Amber ▶	3SU1001-0AB00-0AA0	1	1 unit	
			Black ▶	3SU1001-0AB10-0AA0	1	1 unit	
			Red ▶	3SU1001-0AB20-0AA0	1	1 unit	
			Yellow ▶	3SU1001-0AB30-0AA0	1	1 unit	
			Green ▶	3SU1001-0AB40-0AA0	1	1 unit	
			Blue ▶	3SU1001-0AB50-0AA0	1	1 unit	
			White ▶	3SU1001-0AB60-0AA0	1	1 unit	
			Clear ▶	3SU1001-0AB70-0AA0	1	1 unit	
			Latching	Red ▶	3SU1001-0AA20-0AA0	1	1 unit
			Push to unlatch	Yellow ▶	3SU1001-0AA30-0AA0	1	1 unit
		Green ▶	3SU1001-0AA40-0AA0	1	1 unit		
		Blue ▶	3SU1001-0AA50-0AA0	1	1 unit		
		White ▶	3SU1001-0AA60-0AA0	1	1 unit		
		Clear ▶	3SU1001-0AA70-0AA0	1	1 unit		
 3SU1001-0BB70-0AA0	<b>Illuminated pushbuttons with raised button</b> Standard	Momentary contact	Red ▶	3SU1001-0BB20-0AA0	1	1 unit	
			Yellow ▶	3SU1001-0BB30-0AA0	1	1 unit	
			Green ▶	3SU1001-0BB40-0AA0	1	1 unit	
			Blue ▶	3SU1001-0BB50-0AA0	1	1 unit	
			Clear ▶	3SU1001-0BB70-0AA0	1	1 unit	
		 3SU1001-0DB50-0AA0	<b>Illuminated pushbuttons with flat button</b> Raised, castellated	Momentary contact	Blue ▶	3SU1001-0DB50-0AA0	1





# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, 22 mm, Round, Plastic, Black

### Actuating and Signaling Elements

#### Twin pushbuttons

#### Selection and ordering data

Version of actuating element	Operating principle	Color	Marking	DT	Order No.	PU (UNIT, SET, M)	PS*				
<b>Twin pushbuttons</b>											
 <p>3SU1000-3AB66-0AL0</p>	Twin pushbuttons flat, flat	Momentary contact	Green / Red	-- "I" / "O"	B ▶	3SU1000-3AB42-0AA0 3SU1000-3AB42-0AK0	1 1	1 unit 1 unit			
			White / Black	-- "I" / "O"	B ▶	3SU1000-3AB61-0AA0 3SU1000-3AB61-0AK0	1 1	1 unit 1 unit			
			White / White	-- "-_ / "+"	B B	3SU1000-3AB66-0AA0 3SU1000-3AB66-0AL0	1 1	1 unit 1 unit			
				Arrows, hor.	B	3SU1000-3AB66-0AM0	1	1 unit			
				Arrows, vert.	B	3SU1000-3AB66-0AN0	1	1 unit			
			Black / Black	-- Symbol No. 5264 / 5265 (IEC 60417)	B B	3SU1000-3AB11-0AA0 3SU1000-3AB11-0AQ0	1 1	1 unit 1 unit			
			<hr/>								
			 <p>3SU1000-3BB42-0AK0</p>	Twin pushbuttons flat, raised	Momentary contact	Green / Red	-- "I" / "O"	B ▶	3SU1000-3BB42-0AA0 3SU1000-3BB42-0AK0	1 1	1 unit 1 unit
						White / Black	-- "I" / "O"	B ▶	3SU1000-3BB61-0AA0 3SU1000-3BB61-0AK0	1 1	1 unit 1 unit
						<hr/>					
 <p>3SU1001-3AB42-0AN0</p>	Twin pushbuttons flat, flat, illuminated	Momentary contact	Green / Red	-- "I" / "O"	B ▶	3SU1001-3AB42-0AA0 3SU1001-3AB42-0AK0	1 1	1 unit 1 unit			
				Arrows, vert.	B	3SU1001-3AB42-0AN0	1	1 unit			
			White / Black	-- "I" / "O"	B ▶	3SU1001-3AB61-0AA0 3SU1001-3AB61-0AK0	1 1	1 unit 1 unit			
			White / White	-- "-_ / "+"	B B	3SU1001-3AB66-0AA0 3SU1001-3AB66-0AL0	1 1	1 unit 1 unit			
				Arrows, vert.	B	3SU1001-3AB66-0AN0	1	1 unit			
				Symbols "Circular saw blade" / "Tilt tipper"	B	3SU1001-3AB66-0AP0	1	1 unit			
<hr/>											
 <p>3SU1001-3BB61-0AK0</p>	Twin pushbuttons flat, raised, illuminated	Momentary contact	Green / Red	-- "I" / "O"	B ▶	3SU1001-3BB42-0AA0 3SU1001-3BB42-0AK0	1 1	1 unit 1 unit			
			White / Black	-- "I" / "O"	B ▶	3SU1001-3BB61-0AA0 3SU1001-3BB61-0AK0	1 1	1 unit 1 unit			
			<hr/>								

# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, 22 mm, Round, Plastic, Black Actuating and Signaling Elements

### Mushroom pushbuttons






#### Selection and ordering data

Version of actuating element	Operating principle Unlatching method	Color, marking	DT	Order No.	PU (UNIT, SET, M)	PS*
 3SU1000-1AD20-0AA0	<b>Mushroom pushbuttons</b> 30 mm diameter, 2 positions	Momentary contact	Black ▶	<b>3SU1000-1AD10-0AA0</b>	1	1 unit
			Red ▶	<b>3SU1000-1AD20-0AA0</b>	1	1 unit
			Yellow ▶	<b>3SU1000-1AD30-0AA0</b>	1	1 unit
			Green B	<b>3SU1000-1AD40-0AA0</b>	1	1 unit
	Latching, Pull to unlatch	Black ▶	<b>3SU1000-1AA10-0AA0</b>	1	1 unit	
		Red ▶	<b>3SU1000-1AA20-0AA0</b>	1	1 unit	
Yellow B		<b>3SU1000-1AA30-0AA0</b>	1	1 unit		
 3SU1000-1BD40-0AA0	<b>Mushroom pushbuttons</b> 40 mm diameter, 2 positions	Momentary contact	Black ▶	<b>3SU1000-1BD10-0AA0</b>	1	1 unit
			Red ▶	<b>3SU1000-1BD20-0AA0</b>	1	1 unit
			Yellow B	<b>3SU1000-1BD30-0AA0</b>	1	1 unit
			Green ▶	<b>3SU1000-1BD40-0AA0</b>	1	1 unit
	Latching, Pull to unlatch	Black A	<b>3SU1000-1BA10-0AA0</b>	1	1 unit	
		Red ▶	<b>3SU1000-1BA20-0AA0</b>	1	1 unit	
Red "O" B		<b>3SU1000-1BA20-0AD0</b>	1	1 unit		
Yellow B		<b>3SU1000-1BA30-0AA0</b>	1	1 unit		
Green B		<b>3SU1000-1BA40-0AA0</b>	1	1 unit		
 3SU1000-1CD10-0AA0	<b>Mushroom pushbuttons</b> 60 mm diameter, 2 positions	Momentary contact	Black ▶	<b>3SU1000-1CD10-0AA0</b>	1	1 unit
			Red ▶	<b>3SU1000-1CD20-0AA0</b>	1	1 unit
			Yellow B	<b>3SU1000-1CD30-0AA0</b>	1	1 unit
			Green B	<b>3SU1000-1CD40-0AA0</b>	1	1 unit
	Latching, Pull to unlatch	Black B	<b>3SU1000-1CA10-0AA0</b>	1	1 unit	
		Red B	<b>3SU1000-1CA20-0AA0</b>	1	1 unit	
 3SU1001-1AD30-0AA0	<b>Mushroom pushbuttons</b> 30 mm diameter, 2 positions, illuminated	Momentary contact	Red B	<b>3SU1001-1AD20-0AA0</b>	1	1 unit
			Yellow ▶	<b>3SU1001-1AD30-0AA0</b>	1	1 unit
			Green B	<b>3SU1001-1AD40-0AA0</b>	1	1 unit
			Blue B	<b>3SU1001-1AD50-0AA0</b>	1	1 unit
			White B	<b>3SU1001-1AD60-0AA0</b>	1	1 unit
			Clear B	<b>3SU1001-1AD70-0AA0</b>	1	1 unit
		Latching Pull to unlatch	Red ▶	<b>3SU1001-1AA20-0AA0</b>	1	1 unit
	Yellow B		<b>3SU1001-1AA30-0AA0</b>	1	1 unit	
	Green B		<b>3SU1001-1AA40-0AA0</b>	1	1 unit	
	 3SU1001-1BA50-0AA0	<b>Mushroom pushbuttons</b> 40 mm diameter, 2 positions, illuminated	Momentary contact	Yellow B	<b>3SU1001-1BD30-0AA0</b>	1
			Green B	<b>3SU1001-1BD40-0AA0</b>	1	1 unit
			White B	<b>3SU1001-1BD60-0AA0</b>	1	1 unit
			Clear B	<b>3SU1001-1BD70-0AA0</b>	1	1 unit
Latching, Pull to unlatch		Red ▶	<b>3SU1001-1BA20-0AA0</b>	1	1 unit	
		Yellow B	<b>3SU1001-1BA30-0AA0</b>	1	1 unit	
 3SU1000-1HB10-0AA0	<b>Mushroom pushbuttons</b> with raised mushroom, 40 mm diameter, 2 positions	With positive latching, tamper-proof	Black A	<b>3SU1000-1HB10-0AA0</b>	1	1 unit
		Rotate to unlatch	Blue B	<b>3SU1000-1HB50-0AA0</b>	1	1 unit

**SIRIUS ACT Pushbuttons and Indicator Lights**  
Actuators and Indicators, 22 mm, Round, Plastic, Black  
Actuating and Signaling Elements




**EMERGENCY STOP mushroom pushbuttons**

**Selection and ordering data**

Version of actuating element	Outer diameter of mushroom mm	Make of lock	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>EMERGENCY STOP mushroom pushbuttons</b>							
<b>With pull-to-unlatch mechanism</b>							
 3SU1000-1HA20-0AA0	Tamper-proof, 2 positions	40	--	Red	▶	<b>3SU1000-1HA20-0AA0</b>	1 1 unit
	<hr/>						
<b>With rotate-to-unlatch mechanism</b>							
 3SU1000-1GB20-0AA0	Tamper-proof, 2 positions	33.8	--	Red	▶	<b>3SU1000-1GB20-0AA0</b>	1 1 unit
	<hr/>						
 3SU1000-1HB20-0AA0		40	--	Red	▶	<b>3SU1000-1HB20-0AA0</b>	1 1 unit
	<hr/>						
 3SU1000-1JB20-0AA0		60	--	Red	A	<b>3SU1000-1JB20-0AA0</b>	1 1 unit
	<hr/>						
<b>With rotate-to-unlatch mechanism, can be illuminated</b>							
 3SU1001-1HB20-0AA0	Tamper-proof, 2 positions	33.4	--	Red	B	<b>3SU1001-1GB20-0AA0</b>	1 1 unit
		40	--	Red	A	<b>3SU1001-1HB20-0AA0</b>	1 1 unit
		60	--	Red	B	<b>3SU1001-1JB20-0AA0</b>	1 1 unit

**SIRIUS ACT Pushbuttons and Indicator Lights**  
 Actuators and Indicators, 22 mm, Round, Plastic, Black  
 Actuating and Signaling Elements

**EMERGENCY STOP mushroom pushbuttons**

Version of actuating element	Outer diameter of mushroom mm	Make of lock	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>EMERGENCY STOP mushroom pushbuttons</b>							
<b>With key-operated release</b>							
 3SU1000-1HF20-0AA0 Tamper-proof, 2 positions	40	RONIS SB30	Red	▶	<b>3SU1000-1HF20-0AA0</b> <b>3SU1000-1HG20-0AA0</b>	1	1 unit
		RONIS 455	Red	B		1	1 unit
 3SU1000-1HK20-0AA0		BKS S1	Red	A	<b>3SU1000-1HK20-0AA0</b> <b>3SU1000-1HM20-0AA0</b> <b>3SU1000-1HN20-0AA0</b>	1	1 unit
		BKS E7	Red	B		1	1 unit
		BKS E9	Red	B		1	1 unit
 3SU1000-1HQ20-0AA0		O.M.R. 73037	Red	A	<b>3SU1000-1HQ20-0AA0</b>	1	1 unit
 3SU1000-1HR20-0AA0		CES SSG10	Red	▶	<b>3SU1000-1HR20-0AA0</b> <b>3SU1000-1HS20-0AA0</b> <b>3SU1000-1HT20-0AA0</b>	1	1 unit
		CES SSP9	Red	A		1	1 unit
		CES SMS1	Red	B		1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, 22 mm, Round, Plastic, Black

### Actuating and Signaling Elements

#### Selector switches

#### Selection and ordering data

Version of actuating element	Operating principle	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Selector switches</b>						
<b>2 switch positions (O+I), can be illuminated</b>						
 3SU1002-2BC40-0AA0	Selector, short black actuator Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	Red	B	<b>3SU1002-2BC20-0AA0</b>	1	1 unit
		Yellow	B	<b>3SU1002-2BC30-0AA0</b>	1	1 unit
		Green	B	<b>3SU1002-2BC40-0AA0</b>	1	1 unit
		Blue	B	<b>3SU1002-2BC50-0AA0</b>	1	1 unit
		White	▶	<b>3SU1002-2BC60-0AA0</b>	1	1 unit
 3SU1002-2BF30-0AA0	Latching, 90° (10:30/1:30 o'clock) 	Red	▶	<b>3SU1002-2BF20-0AA0</b>	1	1 unit
		Yellow	B	<b>3SU1002-2BF30-0AA0</b>	1	1 unit
		Green	A	<b>3SU1002-2BF40-0AA0</b>	1	1 unit
		Blue	A	<b>3SU1002-2BF50-0AA0</b>	1	1 unit
		White	▶	<b>3SU1002-2BF60-0AA0</b>	1	1 unit
 3SU1002-2CF20-0AA0	Selector, long black actuator Latching, 90° (10:30/1:30 o'clock) 	Red	B	<b>3SU1002-2CF20-0AA0</b>	1	1 unit
		White	B	<b>3SU1002-2CF60-0AA0</b>	1	1 unit
 3SU1002-2AF20-0AA0	Rotary knob Latching, 90° (10:30/1:30 o'clock) 	Red	B	<b>3SU1002-2AF20-0AA0</b>	1	1 unit
		White	A	<b>3SU1002-2AF60-0AA0</b>	1	1 unit









# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, 22 mm, Round, Plastic, Black

### Actuating and Signaling Elements

#### Selector switches

Version of actuating element	Operating principle	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
------------------------------	---------------------	-------	----	-----------	-------------------	-----

Selector switches						
 <p>3SU1002-2BM20-0AA0</p>	<p><b>3 switch positions (I+O+II), can be illuminated</b></p> <p>Selector, short black actuator</p> <p>Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right</p> 	Red	B	<b>3SU1002-2BM20-0AA0</b>	1	1 unit
		Yellow	B	<b>3SU1002-2BM30-0AA0</b>	1	1 unit
		Green	A	<b>3SU1002-2BM40-0AA0</b>	1	1 unit
		Blue	B	<b>3SU1002-2BM50-0AA0</b>	1	1 unit
		White	▶	<b>3SU1002-2BM60-0AA0</b>	1	1 unit
 <p>3SU1002-2BL60-0AA0</p>	<p>Latching, 2x45° (10:30/12/1:30 o'clock)</p> 	Red	▶	<b>3SU1002-2BL20-0AA0</b>	1	1 unit
		Yellow	▶	<b>3SU1002-2BL30-0AA0</b>	1	1 unit
		Green	A	<b>3SU1002-2BL40-0AA0</b>	1	1 unit
		Blue	B	<b>3SU1002-2BL50-0AA0</b>	1	1 unit
		White	▶	<b>3SU1002-2BL60-0AA0</b>	1	1 unit
 <p>3SU1002-2BP50-0AA0</p>	<p>Momentary contact/latching, 2x45° (10:30/12/1:30 o'clock), reset from left, latching to the right</p> 	Red	B	<b>3SU1002-2BP20-0AA0</b>	1	1 unit
		Yellow	B	<b>3SU1002-2BP30-0AA0</b>	1	1 unit
		Green	B	<b>3SU1002-2BP40-0AA0</b>	1	1 unit
		Blue	B	<b>3SU1002-2BP50-0AA0</b>	1	1 unit
		White	▶	<b>3SU1002-2BP60-0AA0</b>	1	1 unit
 <p>3SU1002-2BN30-0AA0</p>	<p>Latching/momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from right, latching to the left</p> 	Red	B	<b>3SU1002-2BN20-0AA0</b>	1	1 unit
		Yellow	B	<b>3SU1002-2BN30-0AA0</b>	1	1 unit
		Green	▶	<b>3SU1002-2BN40-0AA0</b>	1	1 unit
		Blue	B	<b>3SU1002-2BN50-0AA0</b>	1	1 unit
		White	▶	<b>3SU1002-2BN60-0AA0</b>	1	1 unit



# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, 22 mm, Round, Plastic, Black

### Actuating and Signaling Elements

#### Key-operated switches



#### Selection and ordering data

Operating principle	Make of lock	Switch position for key removal	Number of keys	DT	Order No.	PU (UNIT, SET, M)	PS*	
<b>Key-operated switches</b>								
<b>2 switch positions (O+I)</b>								
 <p>3SU1000-4JC01-0AA0</p>	Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	RONIS, SB30	O	2	▶	<b>3SU1000-4BC01-0AA0</b>	1	1 unit
		RONIS, 455	O	2	B	<b>3SU1000-4CC01-0AA0</b>	1	1 unit
		O.M.R. 73037, red	O	2	B	<b>3SU1000-4FC01-0AA0</b>	1	1 unit
		O.M.R. 73038, light blue	O	2	B	<b>3SU1000-4GC01-0AA0</b>	1	1 unit
		O.M.R. 73034, black	O	2	B	<b>3SU1000-4HC01-0AA0</b>	1	1 unit
		O.M.R. 73033, yellow	O	2	B	<b>3SU1000-4JC01-0AA0</b>	1	1 unit
		CES, SSG10	O	2	▶	<b>3SU1000-5BC01-0AA0</b>	1	1 unit
		CES, LSG1		2	B	<b>3SU1000-5HC01-0AA0</b>	1	1 unit
		BKS, S1	O	2	A	<b>3SU1000-5PC01-0AA0</b>	1	1 unit
		IKON, 360012K1	O	2	A	<b>3SU1000-5XC01-0AA0</b>	1	1 unit
 <p>3SU1000-4BF11-0AA0</p>	Latching, 90° (10:30/1:30 o'clock) 	RONIS, SB30	O	2	A	<b>3SU1000-4BF01-0AA0</b>	1	1 unit
			O+I	2	▶	<b>3SU1000-4BF11-0AA0</b>	1	1 unit
			I	2	A	<b>3SU1000-4BF21-0AA0</b>	1	1 unit
		RONIS, 455	O	2	B	<b>3SU1000-4CF01-0AA0</b>	1	1 unit
			O+I	2	B	<b>3SU1000-4CF11-0AA0</b>	1	1 unit
		RONIS, 421		2	B	<b>3SU1000-4DF11-0AA0</b>	1	1 unit
 <p>3SU1000-4GF11-0AA0</p>		O.M.R. 73037, red	O	2	B	<b>3SU1000-4FF01-0AA0</b>	1	1 unit
			O+I	2	B	<b>3SU1000-4FF11-0AA0</b>	1	1 unit
		O.M.R. 73038, light blue	O	2	▶	<b>3SU1000-4GF01-0AA0</b>	1	1 unit
			O+I	2	B	<b>3SU1000-4GF11-0AA0</b>	1	1 unit
		O.M.R. 73034, black	O	2	B	<b>3SU1000-4HF01-0AA0</b>	1	1 unit
			O+I	2	B	<b>3SU1000-4HF11-0AA0</b>	1	1 unit
			I	2	B	<b>3SU1000-4HF21-0AA0</b>	1	1 unit
		O.M.R. 73033, yellow	O	2	B	<b>3SU1000-4JF01-0AA0</b>	1	1 unit
			O+I	2	B	<b>3SU1000-4JF11-0AA0</b>	1	1 unit
		 <p>3SU1000-5BF11-0AA0</p>		CES, SSG10	O	2	▶	<b>3SU1000-5BF01-0AA0</b>
	O+I			2	▶	<b>3SU1000-5BF11-0AA0</b>	1	1 unit
	I			2	▶	<b>3SU1000-5BF21-0AA0</b>	1	1 unit
CES, LSG1	O			2	A	<b>3SU1000-5HF01-0AA0</b>	1	1 unit
	O+I			2	A	<b>3SU1000-5HF11-0AA0</b>	1	1 unit
 <p>3SU1000-5PF11-0AA0</p>				BKS, S1	O	2	A	<b>3SU1000-5PF01-0AA0</b>
			O+I	2	A	<b>3SU1000-5PF11-0AA0</b>	1	1 unit
			I	2	B	<b>3SU1000-5PF21-0AA0</b>	1	1 unit
		BKS, E1	O	1	B	<b>3SU1000-5QF01-0AA0</b>	1	1 unit
			O+I	1	B	<b>3SU1000-5QF11-0AA0</b>	1	1 unit
		BKS, E2	O	1	A	<b>3SU1000-5RF01-0AA0</b>	1	1 unit
			O+I	1	B	<b>3SU1000-5RF11-0AA0</b>	1	1 unit
		BKS, E7	O	1	A	<b>3SU1000-5SF01-0AA0</b>	1	1 unit
			O+I	1	A	<b>3SU1000-5SF11-0AA0</b>	1	1 unit
		BKS, E9	O	1	A	<b>3SU1000-5TF01-0AA0</b>	1	1 unit
	O+I	1	B	<b>3SU1000-5TF11-0AA0</b>	1	1 unit		
 <p>3SU1000-5XF11-0AA0</p>		IKON, 360012K1	O	2	A	<b>3SU1000-5XF01-0AA0</b>	1	1 unit
			O+I	2	A	<b>3SU1000-5XF11-0AA0</b>	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Round, Plastic, Black  
Actuating and Signaling Elements

## Key-operated switches

Operating principle	Make of lock	Switch position for key removal	DT	Order No.	PU (UNIT, SET, M)	PS*	
<b>Key-operated switches</b>							
<b>3 switch positions (I+O+II)</b>							
Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right 	RONIS, SB30	O	A	<b>3SU1000-4BM01-0AA0</b>	1	1 unit	
	O.M.R. 73037, red	O	B	<b>3SU1000-4FM01-0AA0</b>	1	1 unit	
	O.M.R. 73034, black	O	▶	<b>3SU1000-4HM01-0AA0</b>	1	1 unit	
	CES, SSG10	O	A	<b>3SU1000-5BM01-0AA0</b>	1	1 unit	
	BKS, S1	O	B	<b>3SU1000-5PM01-0AA0</b>	1	1 unit	
	IKON, 360012K1	O	B	<b>3SU1000-5XM01-0AA0</b>	1	1 unit	
	Latching, 2x45° (10:30/12/1:30 o'clock) 	RONIS, SB30	O	B	<b>3SU1000-4BL01-0AA0</b>	1	1 unit
			O+I+II	▶	<b>3SU1000-4BL11-0AA0</b>	1	1 unit
			I	▶	<b>3SU1000-4BL21-0AA0</b>	1	1 unit
			II (right)	B	<b>3SU1000-4BL31-0AA0</b>	1	1 unit
		I+II (left, right)	B	<b>3SU1000-4BL41-0AA0</b>	1	1 unit	
		O+I (center, left)	B	<b>3SU1000-4BL51-0AA0</b>	1	1 unit	
RONIS, 455		O	B	<b>3SU1000-4CL01-0AA0</b>	1	1 unit	
		O+I+II	B	<b>3SU1000-4CL11-0AA0</b>	1	1 unit	
		O+I (center, left)	▶	<b>3SU1000-4FL01-0AA0</b>	1	1 unit	
		O+I+II	▶	<b>3SU1000-4FL51-0AA0</b>	1	1 unit	
	O	B	<b>3SU1000-4GL01-0AA0</b>	1	1 unit		
	O+I+II	B	<b>3SU1000-4GL11-0AA0</b>	1	1 unit		
	O	B	<b>3SU1000-4HL01-0AA0</b>	1	1 unit		
	O+I+II	B	<b>3SU1000-4HL11-0AA0</b>	1	1 unit		
	O+I+II	B	<b>3SU1000-4JL11-0AA0</b>	1	1 unit		
	O	▶	<b>3SU1000-5BL01-0AA0</b>	1	1 unit		
	O+I+II	▶	<b>3SU1000-5BL11-0AA0</b>	1	1 unit		
	I	▶	<b>3SU1000-5BL21-0AA0</b>	1	1 unit		
	II (right)	▶	<b>3SU1000-5BL31-0AA0</b>	1	1 unit		
	I+II (left, right)	▶	<b>3SU1000-5BL41-0AA0</b>	1	1 unit		
	O+I (center, left)	B	<b>3SU1000-5BL51-0AA0</b>	1	1 unit		
	O	B	<b>3SU1000-5PL01-0AA0</b>	1	1 unit		
	O+I+II	B	<b>3SU1000-5PL11-0AA0</b>	1	1 unit		
	I	B	<b>3SU1000-5PL21-0AA0</b>	1	1 unit		
	II (right)	B	<b>3SU1000-5PL31-0AA0</b>	1	1 unit		
	I+II (left, right)	B	<b>3SU1000-5PL41-0AA0</b>	1	1 unit		
BKS, E2	O+I+II	B	<b>3SU1000-5RL11-0AA0</b>	1	1 unit		
BKS, E9	O+I+II	B	<b>3SU1000-5TL11-0AA0</b>	1	1 unit		
	O	B	<b>3SU1000-5XL01-0AA0</b>	1	1 unit		
	O+I+II	B	<b>3SU1000-5XL11-0AA0</b>	1	1 unit		



# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, 22 mm, Round, Plastic, Black

### Actuating and Signaling Elements

#### Key-operated switches / ID key-operated switches

Operating principle	Make of lock	Switch position for key removal	DT	Order No.	PU (UNIT, SET, M)	PS*
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#### Key-operated switches

##### 3 switch positions (I+O+II)



3SU1000-4BP01-0AA0

Momentary contact/  
latching, 2x45°  
(10:30/12/  
1:30 o'clock),  
reset from left,  
latching to the right



3SU1000-5BP01-0AA0

CES, SSG10

O  
II (right)  
O+II (center, right)

B **3SU1000-4BN01-0AA0**  
B **3SU1000-4BP31-0AA0**  
B **3SU1000-4BP61-0AA0**

1 1 unit  
1 1 unit  
1 1 unit

O  
II (right)  
O+II (center, right)

B **3SU1000-5BN01-0AA0**  
B **3SU1000-5BP31-0AA0**  
B **3SU1000-5BP61-0AA0**

1 1 unit  
1 1 unit  
1 1 unit

BKS, S1

O

B **3SU1000-5PP01-0AA0**

1 1 unit

Latching/momentary  
contact, 2x45°  
(10:30/12/  
1:30 o'clock),  
reset from right, latch-  
ing to the left



3SU1000-4GN01-0AA0

O.M.R. 73038,  
light blue  
O.M.R. 73034,  
black

O  
I

B **3SU1000-4GN01-0AA0**  
B **3SU1000-4HN21-0AA0**

1 1 unit  
1 1 unit

CES, SSG10

O  
I  
O+I (center, left)

B **3SU1000-5BN01-0AA0**  
B **3SU1000-5BN21-0AA0**  
B **3SU1000-5BN51-0AA0**

1 1 unit  
1 1 unit  
1 1 unit

BKS, S1

I  
O+I (center, left)

B **3SU1000-5PN21-0AA0**  
B **3SU1000-5PN51-0AA0**

1 1 unit  
1 1 unit

IKON, 360012K1

O+I (center, left)

B **3SU1000-5XN51-0AA0**

1 1 unit

#### Selection and ordering data

Operating angle	Operating principle	Switch position for key removal	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
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#### ID key-operated switches

##### 4 switch positions (O+I+II+III)



3SU1000-4WS10-0AA0

45°

Latching

O+I+II+III

Black

A

**3SU1000-4WS10-0AA0**


1 1 unit

For available keys, [see page 115](#)  
For electronic modules for ID key-operated switches,  
[see page 83](#)

**SIRIUS ACT Pushbuttons and Indicator Lights**  
 Actuators and Indicators, 22 mm, Round, Plastic, Black  
 Actuating and Signaling Elements

**Indicator lights**

**Selection and ordering data**


Version of actuating element	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Indicator lights</b>					
 <p><b>Indicator lights</b> with smooth lens</p> <p>3SU1001-6AA40-0AA0</p>	Amber	▶	<b>3SU1001-6AA00-0AA0</b>	1	1 unit
	Red	▶	<b>3SU1001-6AA20-0AA0</b>	1	1 unit
	Yellow	▶	<b>3SU1001-6AA30-0AA0</b>	1	1 unit
	Green	▶	<b>3SU1001-6AA40-0AA0</b>	1	1 unit
	Blue	▶	<b>3SU1001-6AA50-0AA0</b>	1	1 unit
	White	▶	<b>3SU1001-6AA60-0AA0</b>	1	1 unit
	Clear	▶	<b>3SU1001-6AA70-0AA0</b>	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte Complete Units

## Pushbuttons

### Selection and ordering data

Supply voltage for light source		Color	Number of NO contacts	Number of NC contacts	DT	Screw terminals		PU (UNIT, SET, M)	PS*
At AC	At DC								
V	V					Order No.			

#### Pushbuttons

##### Pushbuttons with flat button, momentary contact



3SU1130-0AB10-1BA0

--	--	Black	1	0	▶	3SU1130-0AB10-1BA0		1	1 unit
			0	1		3SU1130-0AB10-1CA0		1	1 unit
		Red	1	0	B	3SU1130-0AB20-1BA0		1	1 unit
			0	1	▶	3SU1130-0AB20-1CA0		1	1 unit
		Yellow	1	0	▶	3SU1130-0AB30-1BA0		1	1 unit
		Green	1	0	▶	3SU1130-0AB40-1BA0		1	1 unit
		Blue	1	0	▶	3SU1130-0AB50-1BA0		1	1 unit
		White	1	0	▶	3SU1130-0AB60-1BA0		1	1 unit

##### Pushbuttons with raised button, momentary contact



3SU1130-0BB20-1CA0

--	--	Red	0	1	▶	3SU1130-0BB20-1CA0		1	1 unit
----	----	-----	---	---	---	--------------------	--	---	--------

##### Illuminated pushbuttons with flat button, momentary contact with integrated LED




3SU1132-0AB40-1BA0

24	24	Red	1	0	B	3SU1132-0AB20-1BA0		1	1 unit
			0	1	▶	3SU1132-0AB20-1CA0		1	1 unit
		Yellow	1	0	▶	3SU1132-0AB30-1BA0		1	1 unit
		Green	1	0	▶	3SU1132-0AB40-1BA0		1	1 unit
		Blue	1	0	▶	3SU1132-0AB50-1BA0		1	1 unit
		White	1	0	▶	3SU1132-0AB60-1BA0		1	1 unit
		Clear	1	0	▶	3SU1132-0AB70-1BA0		1	1 unit
110	--	Red	0	1	B	3SU1133-0AB20-1CA0		1	1 unit
		Yellow	1	0	B	3SU1133-0AB30-1BA0		1	1 unit
		Green	1	0	B	3SU1133-0AB40-1BA0		1	1 unit
		Blue	1	0	B	3SU1133-0AB50-1BA0		1	1 unit
		White	1	0	B	3SU1133-0AB60-1BA0		1	1 unit
		Clear	1	0	B	3SU1133-0AB70-1BA0		1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte Complete Units

## Pushbuttons

Supply voltage for light source		Color	Number of NO contacts	Number of NC contacts	DT	Screw terminals 	PU (UNIT, SET, M)	PS*
At AC	At DC							
V	V					Order No.		

### Pushbuttons

#### Illuminated pushbuttons with flat button, momentary contact with integrated LED



3SU1136-0AB40-1BA0

230	--	Red	0	1	B	3SU1136-0AB20-1CA0	1	1 unit
		Yellow	1	0	B	3SU1136-0AB30-1BA0	1	1 unit
		Green	1	0	B	3SU1136-0AB40-1BA0	1	1 unit
		Blue	1	0	B	3SU1136-0AB50-1BA0	1	1 unit
		White	1	0	B	3SU1136-0AB60-1BA0	1	1 unit
		Clear	1	0	B	3SU1136-0AB70-1BA0	1	1 unit

#### Spring-type terminals

#### Pushbuttons with flat button, momentary contact



3SU1130-0AB10-3BA0

--	--	Black	1	0	B	3SU1130-0AB10-3BA0	1	1 unit
		Red	0	1	B	3SU1130-0AB20-3CA0	1	1 unit
		Green	1	0	B	3SU1130-0AB40-3BA0	1	1 unit

#### Illuminated pushbuttons with flat button, momentary contact with integrated LED



3SU1132-0AB30-3BA0


24	24	Red	0	1	B	3SU1132-0AB20-3CA0	1	1 unit
		Yellow	1	0	B	3SU1132-0AB30-3BA0	1	1 unit
		Green	1	0	B	3SU1132-0AB40-3BA0	1	1 unit
		Blue	1	0	▶	3SU1132-0AB50-3BA0	1	1 unit
		White	1	0	B	3SU1132-0AB60-3BA0	1	1 unit
		Clear	1	0	B	3SU1132-0AB70-3BA0	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte Complete Units

## Mushroom pushbuttons / EMERGENCY STOP mushroom pushbuttons

### Selection and ordering data

Unlatching method	Number of NO contacts	Number of NC contacts	DT	Screw terminals 	PU (UNIT, SET, M)	PS*
				Order No.		

#### Mushroom pushbuttons


##### With red mushroom, diameter 40 mm, latching



3SU1130-1BA20-1CA0

Pull to unlatch	0	1			<b>3SU1130-1BA20-1CA0</b>	1	1 unit
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### Selection and ordering data

Unlatching method	Number of NO contacts	Number of NC contacts	Marking	DT	Screw terminals 	PU (UNIT, SET, M)	PS*
					Order No.		

#### EMERGENCY STOP mushroom pushbuttons, tamper-proof, in accordance with ISO 13850 and IEC 60947-5-5

##### With red mushroom, diameter 40 mm, with positive latching



3SU1100-1HA20-1CH0

Pull to unlatch	0	1	NOT-HALT	B	<b>3SU1100-1HA20-1CH0</b>	1	1 unit
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3SU1100-1HB20-1CG0

Rotate to unlatch	0	1	None	B	<b>3SU1100-1HB20-1CF0</b>	1	1 unit
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	0	1	EMERGENCY STOP	B	<b>3SU1100-1HB20-1CG0</b>	1	1 unit
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3SU1100-1HB20-3CH0

Rotate to unlatch	0	1	NOT-HALT	B	<b>3SU1100-1HB20-3CH0</b>	1	1 unit
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#### Spring-type terminals

# SIRIUS ACT Pushbuttons and Indicator Lights









Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte Complete Units

## Selector switches

### Selection and ordering data


Operating principle	Color	Number of NO contacts	Number of NC contacts	DT	Screw terminals 	PU (UNIT, SET, M)	PS*
					Order No.		

#### Selector switches

 3SU1130-2BF60-1BA0	<b>Short black actuator, 2 switch positions, can be illuminated</b>						
	Latching, 90°	White	1	0		<b>3SU1130-2BF60-1BA0</b> <b>3SU1130-2BF60-1MA0</b>	1 1 unit
			1	1			1 1 unit
	<b>Short black actuator, 3 switch positions, can be illuminated</b>						
Momentary contact, 2x45°		2	0		<b>3SU1130-2BM60-1NA0</b>	1 1 unit	
							
	Latching, 2x45°		2	0		<b>3SU1130-2BL60-1NA0</b>	1 1 unit
							
 3SU1130-2BL60-1NA0	<b>Short black actuator, 2 switch positions, can be illuminated</b>						
	Latching, 90°	White	1	0	B	<b>3SU1130-2BF60-3BA0</b> <b>3SU1130-2BF60-3MA0</b>	1 1 unit
			1	1	B		1 1 unit
	<b>Short black actuator, 3 switch positions, can be illuminated</b>						
Momentary contact, 2x45°	White	2	0	B	<b>3SU1130-2BM60-3NA0</b>	1 1 unit	
							
	Latching, 2x45°		2	0	B	<b>3SU1130-2BL60-3NA0</b>	1 1 unit
							



**Selection and ordering data**

Operating principle	Switch position for key removal	Number of NO contacts	Number of NC contacts	DT	Screw terminals 	PU (UNIT, SET, M)	PS*
					Order No.		

**Key-operated switches with 2 keys**



3SU1130-4BF11-1BA0

**With Ronis lock, SB30, 2 switch positions (O+I)**

Latching, 90°  
(10:30/1:30 o'clock)



O+I

1

0

▶

**3SU1130-4BF11-1BA0**

1

1 unit



3SU1130-4BL11-1NA0

**With Ronis lock, SB30, 3 switch positions (I+O+II)**

Latching, 2x45°  
(10:30/1:30 o'clock)



O+I

2

0

B

**3SU1130-4BL11-1NA0**

1

1 unit

**With Ronis lock, SB30, 2 switch positions (O+I)**

Latching, 90°  
(10:30/1:30 o'clock)




O+I

1

0

B

**Spring-type terminals **

**3SU1130-4BF11-3BA0**

1

1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte Complete Units

## Indicator lights

### Selection and ordering data

Operational voltage		Color		DT	Screw terminals	PU (UNIT, SET, M)	PS*	
at AC, rated value	at DC, rated value	of actuating element	of light source					
V					Order No.			
<b>Indicator lights</b>								
<b>With smooth lens and integrated LED</b>								
	24	24	Red	Red	A	<b>3SU1102-6AA20-1AA0</b>	1	1 unit
			Yellow	Yellow	A	<b>3SU1102-6AA30-1AA0</b>	1	1 unit
			Green	Green	A	<b>3SU1102-6AA40-1AA0</b>	1	1 unit
			Blue	Blue	A	<b>3SU1102-6AA50-1AA0</b>	1	1 unit
			White	White	A	<b>3SU1102-6AA60-1AA0</b>	1	1 unit
			Clear	White	A	<b>3SU1102-6AA70-1AA0</b>	1	1 unit
	110	--	Amber	Amber	B	<b>3SU1103-6AA00-1AA0</b>	1	1 unit
			Red	Red	A	<b>3SU1103-6AA20-1AA0</b>	1	1 unit
			Yellow	Yellow	A	<b>3SU1103-6AA30-1AA0</b>	1	1 unit
			Green	Green	A	<b>3SU1103-6AA40-1AA0</b>	1	1 unit
			Blue	Blue	B	<b>3SU1103-6AA50-1AA0</b>	1	1 unit
			White	White	A	<b>3SU1103-6AA60-1AA0</b>	1	1 unit
Clear	White	B	<b>3SU1103-6AA70-1AA0</b>	1	1 unit			
	230	--	Amber	Amber	B	<b>3SU1106-6AA00-1AA0</b>	1	1 unit
			Red	Red	A	<b>3SU1106-6AA20-1AA0</b>	1	1 unit
			Yellow	Yellow	A	<b>3SU1106-6AA30-1AA0</b>	1	1 unit
			Green	Green	A	<b>3SU1106-6AA40-1AA0</b>	1	1 unit
			Blue	Blue	B	<b>3SU1106-6AA50-1AA0</b>	1	1 unit
			White	White	A	<b>3SU1106-6AA60-1AA0</b>	1	1 unit
Clear	White	B	<b>3SU1106-6AA70-1AA0</b>	1	1 unit			
<b>Spring-type terminals</b>								
	24	24	Red	Red	B	<b>3SU1102-6AA20-3AA0</b>	1	1 unit
			Yellow	Yellow	B	<b>3SU1102-6AA30-3AA0</b>	1	1 unit
			Green	Green	B	<b>3SU1102-6AA40-3AA0</b>	1	1 unit
			Blue	Blue	B	<b>3SU1102-6AA50-3AA0</b>	1	1 unit
			White	White	B	<b>3SU1102-6AA60-3AA0</b>	1	1 unit
			Clear	White	B	<b>3SU1102-6AA70-3AA0</b>	1	1 unit
	110	--	Red	Red	B	<b>3SU1103-6AA20-3AA0</b>	1	1 unit
			Yellow	Yellow	B	<b>3SU1103-6AA30-3AA0</b>	1	1 unit
			Green	Green	B	<b>3SU1103-6AA40-3AA0</b>	1	1 unit
			Blue	Blue	B	<b>3SU1103-6AA50-3AA0</b>	1	1 unit
			White	White	B	<b>3SU1103-6AA60-3AA0</b>	1	1 unit
			Clear	White	B	<b>3SU1103-6AA70-3AA0</b>	1	1 unit
	230	--	Red	Red	B	<b>3SU1106-6AA20-3AA0</b>	1	1 unit
			Yellow	Yellow	B	<b>3SU1106-6AA30-3AA0</b>	1	1 unit
			Green	Green	B	<b>3SU1106-6AA40-3AA0</b>	1	1 unit
			Blue	Blue	B	<b>3SU1106-6AA50-3AA0</b>	1	1 unit
			White	White	B	<b>3SU1106-6AA60-3AA0</b>	1	1 unit
			Clear	White	B	<b>3SU1106-6AA70-3AA0</b>	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte Compact Units

## Sensor switches / Pushbuttons with extended stroke

### Selection and ordering data

Operating principle	Number of NO contacts	Number of NC contacts	Color	DT	M12 connector, 4-pin	PU (UNIT, SET, M)	PS*
					Order No.		

#### Sensor switches



3SU1200-1SK10-2SA0

Whether integrated in the two-hand operation console or installed as a door opening contact, the capacitive sensor switch is suitable for many different applications in industrial environments.

The switch is actuated by simple contact with the hand or other part of the body (i.e. without the application of pressure). As a result, these switches are rugged, extremely durable and have the highest possible degree of protection (IP69K).

Without pressure	1	0	Black	A	<b>3SU1200-1SK10-2SA0</b>	1	1 unit
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### Selection and ordering data

Version	Color	DT	Order No.	PU (UNIT, SET, M)	PS*

#### Pushbuttons with extended stroke



3SU1230-0EB40-0AA0

<b>Pushbuttons with flat button</b>	Red	B	<b>3SU1230-0EB20-0AA0</b>	1	1 unit
	Green	B	<b>3SU1230-0EB40-0AA0</b>	1	1 unit



3SU1230-0FB10-0AA0

<b>Pushbuttons with raised button</b>	Black	B	<b>3SU1230-0FB10-0AA0</b>	1	1 unit
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3SU1231-0EB20-0AA0

<b>Illuminated pushbuttons with flat button</b>	Red	B	<b>3SU1231-0EB20-0AA0</b>	1	1 unit
	Clear	B	<b>3SU1231-0EB70-0AA0</b>	1	1 unit

Version	Material	Color	DT	Order No.	PU (UNIT, SET, M)	PS*

#### Accessories



3SU1900-0KG10-0AA0

Extension plungers	Plastic	Black	A	<b>3SU1900-0KG10-0AA0</b>	1	1 unit
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For compensation of the distance between the pushbutton and the unlatching button of an overload relay

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte  
Actuating and Signaling Elements




## Pushbuttons

### Selection and ordering data

Version of actuating element Front ring version	Operating principle Unlatching method	Color, marking	DT	Order No.	PU (UNIT, SET, M)	PS*	
<b>Pushbuttons</b>							
 3SU1030-0AB50-0AR0	<b>Pushbuttons with flat button</b> Standard	Momentary contact	Black	▶	3SU1030-0AB10-0AA0	1	1 unit
			Black, "O"	B	3SU1030-0AB10-0AD0	1	1 unit
			Red	▶	3SU1030-0AB20-0AA0	1	1 unit
			Red, "O"	B	3SU1030-0AB20-0AD0	1	1 unit
			Red, "AUTO"	B	3SU1030-0AB20-0AQ0	1	1 unit
			Yellow	▶	3SU1030-0AB30-0AA0	1	1 unit
			Green	▶	3SU1030-0AB40-0AA0	1	1 unit
			Green, "I"	B	3SU1030-0AB40-0AC0	1	1 unit
			Blue	▶	3SU1030-0AB50-0AA0	1	1 unit
			Blue, "R"	B	3SU1030-0AB50-0AR0	1	1 unit
			White	▶	3SU1030-0AB60-0AA0	1	1 unit
			White, "I"	B	3SU1030-0AB60-0AC0	1	1 unit
			Clear	▶	3SU1030-0AB70-0AA0	1	1 unit
			Gray	B	3SU1030-0AB80-0AA0	1	1 unit
 3SU1030-0AA40-0AA0	<b>Pushbuttons with flat button</b> Standard	Latching	Black	▶	3SU1030-0AA10-0AA0	1	1 unit
		Push to unlatch	Red	B	3SU1030-0AA20-0AA0	1	1 unit
			Yellow	B	3SU1030-0AA30-0AA0	1	1 unit
			Green	B	3SU1030-0AA40-0AA0	1	1 unit
			Blue	▶	3SU1030-0AA50-0AA0	1	1 unit
			White	B	3SU1030-0AA60-0AA0	1	1 unit
 3SU1030-0BB20-0AA0	<b>Pushbuttons with raised button</b> Standard	Momentary contact	Black	▶	3SU1030-0BB10-0AA0	1	1 unit
			Red	▶	3SU1030-0BB20-0AA0	1	1 unit
			Yellow	B	3SU1030-0BB30-0AA0	1	1 unit
			Green	B	3SU1030-0BB40-0AA0	1	1 unit
			Blue	B	3SU1030-0BB50-0AA0	1	1 unit
			White	B	3SU1030-0BB60-0AA0	1	1 unit
 3SU1030-0CB30-0AA0	<b>Pushbuttons with flat button</b> Raised	Momentary contact	Black	B	3SU1030-0CB10-0AA0	1	1 unit
			Red	B	3SU1030-0CB20-0AA0	1	1 unit
			Yellow	B	3SU1030-0CB30-0AA0	1	1 unit
			Green	B	3SU1030-0CB40-0AA0	1	1 unit
			Blue	B	3SU1030-0CB50-0AA0	1	1 unit
			White	B	3SU1030-0CB60-0AA0	1	1 unit

**SIRIUS ACT Pushbuttons and Indicator Lights**  
Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte  
Actuating and Signaling Elements

**Pushbuttons**

Version of actuating element Front ring version	Operating principle Unlatching method	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Pushbuttons</b>						
 3SU1031-0AB20-0AA0	<b>Illuminated pushbuttons with flat button</b> Standard	Momentary contact	Amber ▶	3SU1031-0AB00-0AA0	1	1 unit
			Red ▶	3SU1031-0AB20-0AA0	1	1 unit
			Yellow ▶	3SU1031-0AB30-0AA0	1	1 unit
			Green ▶	3SU1031-0AB40-0AA0	1	1 unit
			Blue ▶	3SU1031-0AB50-0AA0	1	1 unit
			White ▶	3SU1031-0AB60-0AA0	1	1 unit
			Clear ▶	3SU1031-0AB70-0AA0	1	1 unit
 3SU1031-0AA50-0AA0	<b>Illuminated pushbuttons with flat button</b> Standard	Latching Push to unlatch	Red B	3SU1031-0AA20-0AA0	1	1 unit
			Yellow B	3SU1031-0AA30-0AA0	1	1 unit
			Green ▶	3SU1031-0AA40-0AA0	1	1 unit
			Blue B	3SU1031-0AA50-0AA0	1	1 unit
			White ▶	3SU1031-0AA60-0AA0	1	1 unit
			Clear B	3SU1031-0AA70-0AA0	1	1 unit
 3SU1031-0BB40-0AA0	<b>Illuminated pushbuttons with raised button</b> Standard	Momentary contact	Red B	3SU1031-0BB20-0AA0	1	1 unit
			Yellow B	3SU1031-0BB30-0AA0	1	1 unit
			Green ▶	3SU1031-0BB40-0AA0	1	1 unit
			Blue ▶	3SU1031-0BB50-0AA0	1	1 unit
			Clear ▶	3SU1031-0BB70-0AA0	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte  
Actuating and Signaling Elements

## Twin pushbuttons






### Selection and ordering data

Version of actuating element	Operating principle	Color	Marking	DT	Order No.	PU (UNIT, SET, M)	PS*	
<b>Twin pushbuttons</b>								
 <p>3SU1030-3AB66-0AN0</p>	Twin pushbuttons flat, flat	Momentary contact	Green / Red	-- "I" / "O"	B ▶	<b>3SU1030-3AB42-0AA0</b> <b>3SU1030-3AB42-0AK0</b>	1 1	1 unit 1 unit
			White / Black	-- "I" / "O"	B B	<b>3SU1030-3AB61-0AA0</b> <b>3SU1030-3AB61-0AK0</b>	1 1	1 unit 1 unit
			White / White	-- Arrows, vert.	B B	<b>3SU1030-3AB66-0AA0</b> <b>3SU1030-3AB66-0AN0</b>	1 1	1 unit 1 unit
			Black / Black	-- Symbol No. 5264 / 5265 (IEC 60417)	B B	<b>3SU1030-3AB11-0AA0</b> <b>3SU1030-3AB11-0AQ0</b>	1 1	1 unit 1 unit
			<hr/>					
 <p>3SU1030-3BB42-0AK0</p>	Twin pushbuttons flat, raised	Momentary contact	Green / Red	-- "I" / "O"	B ▶	<b>3SU1030-3BB42-0AA0</b> <b>3SU1030-3BB42-0AK0</b>	1 1	1 unit 1 unit
			<hr/>					
 <p>3SU1031-3AB42-0AK0</p>	Twin pushbuttons flat, flat, illuminated	Momentary contact	Green / Red	-- "I" / "O" Arrows, vert.	B ▶ B	<b>3SU1031-3AB42-0AA0</b> <b>3SU1031-3AB42-0AK0</b> <b>3SU1031-3AB42-0AN0</b>	1 1 1	1 unit 1 unit 1 unit
			White / Black	-- "I" / "O"	B ▶	<b>3SU1031-3AB61-0AA0</b> <b>3SU1031-3AB61-0AK0</b>	1 1	1 unit 1 unit
			White / White	-- Arrows, vert.	B B	<b>3SU1031-3AB66-0AA0</b> <b>3SU1031-3AB66-0AN0</b>	1 1	1 unit 1 unit
			<hr/>					
 <p>3SU1031-3BB61-0AA0</p>	Twin pushbuttons flat, raised, illuminated	Momentary contact	Green / Red	-- "I" / "O"	B ▶	<b>3SU1031-3BB42-0AA0</b> <b>3SU1031-3BB42-0AK0</b>	1 1	1 unit 1 unit
			White / Black	-- "I" / "O"	B B	<b>3SU1031-3BB61-0AA0</b> <b>3SU1031-3BB61-0AK0</b>	1 1	1 unit 1 unit

**SIRIUS ACT Pushbuttons and Indicator Lights**  
Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte  
Actuating and Signaling Elements

**Mushroom pushbuttons**

**Selection and ordering data**






Version of actuating element	Operating principle Unlatching method	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Mushroom pushbuttons</b>						
 3SU1030-1AD20-0AA0	<b>Mushroom pushbuttons</b> 30 mm diameter, 2 positions	Momentary contact	Black ▶	<b>3SU1030-1AD10-0AA0</b>	1	1 unit
			Red ▶	<b>3SU1030-1AD20-0AA0</b>	1	1 unit
			Yellow B	<b>3SU1030-1AD30-0AA0</b>	1	1 unit
			Green ▶	<b>3SU1030-1AD40-0AA0</b>	1	1 unit
		Latching	Black ▶	<b>3SU1030-1AA10-0AA0</b>	1	1 unit
		Pull to unlatch	Red ▶	<b>3SU1030-1AA20-0AA0</b>	1	1 unit
 3SU1030-1BD40-0AA0	<b>Mushroom pushbuttons</b> 40 mm diameter, 2 positions	Momentary contact	Black ▶	<b>3SU1030-1BD10-0AA0</b>	1	1 unit
			Red ▶	<b>3SU1030-1BD20-0AA0</b>	1	1 unit
			Yellow ▶	<b>3SU1030-1BD30-0AA0</b>	1	1 unit
			Green ▶	<b>3SU1030-1BD40-0AA0</b>	1	1 unit
		Latching	Black ▶	<b>3SU1030-1BA10-0AA0</b>	1	1 unit
		Pull to unlatch	Red ▶	<b>3SU1030-1BA20-0AA0</b>	1	1 unit
		Red, "O" B	<b>3SU1030-1BA20-0AD0</b>	1	1 unit	
 3SU1031-1AD30-0AA0	<b>Mushroom pushbuttons</b> 30 mm diameter, 2 positions, illuminated	Momentary contact	Yellow B	<b>3SU1031-1AD30-0AA0</b>	1	1 unit
			Green ▶	<b>3SU1031-1AD40-0AA0</b>	1	1 unit
			White ▶	<b>3SU1031-1AD60-0AA0</b>	1	1 unit
			Clear B	<b>3SU1031-1AD70-0AA0</b>	1	1 unit
		Latching	Red ▶	<b>3SU1031-1AA20-0AA0</b>	1	1 unit
		Pull to unlatch	Yellow B	<b>3SU1031-1AA30-0AA0</b>	1	1 unit
 3SU1031-1BD60-0AA0	<b>Mushroom pushbuttons</b> 40 mm diameter, 2 positions, illuminated	Momentary contact	Yellow ▶	<b>3SU1031-1BD30-0AA0</b>	1	1 unit
			Green ▶	<b>3SU1031-1BD40-0AA0</b>	1	1 unit
			White B	<b>3SU1031-1BD60-0AA0</b>	1	1 unit
			Clear B	<b>3SU1031-1BD70-0AA0</b>	1	1 unit
		Latching	Red ▶	<b>3SU1031-1BA20-0AA0</b>	1	1 unit
		Pull to unlatch	Yellow B	<b>3SU1031-1BA30-0AA0</b>	1	1 unit
 3SU1000-1HB50-0AA0	<b>Mushroom pushbuttons</b> with raised mushroom, 40 mm diameter, 2 positions	With positive latching, tamper-proof	Black A	<b>3SU1000-1HB10-0AA0</b>	1	1 unit
		Rotate to unlatch	Blue B	<b>3SU1000-1HB50-0AA0</b>	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte  
Actuating and Signaling Elements

## EMERGENCY STOP mushroom pushbuttons

### Selection and ordering data

Version of actuating element	Outer diameter of mushroom mm	Make of lock	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>EMERGENCY STOP mushroom pushbuttons</b>							
<b>With pull-to-unlatch mechanism</b>							
 3SU1000-1HA20-0AA0	Tamper-proof, 2 positions 40	--	Red	A	<b>3SU1000-1HA20-0AA0</b>	1	1 unit
<b>With rotate-to-unlatch mechanism</b>							
 3SU1000-1GB20-0AA0	Tamper-proof, 2 positions 33.8	--	Red	A	<b>3SU1000-1GB20-0AA0</b>	1	1 unit
 3SU1000-1HB20-0AA0	40	--	Red	A	<b>3SU1000-1HB20-0AA0</b>	1	1 unit
 3SU1000-1JB20-0AA0	60	--	Red	▶	<b>3SU1000-1JB20-0AA0</b>	1	1 unit
<b>With rotate-to-unlatch mechanism, can be illuminated</b>							
 3SU1001-1HB20-0AA0	Tamper-proof, 2 positions 33.4 40 60	-- -- --	Red Red Red	B A B	<b>3SU1001-1GB20-0AA0</b> <b>3SU1001-1HB20-0AA0</b> <b>3SU1001-1JB20-0AA0</b>	1 1 1	1 unit 1 unit 1 unit



**SIRIUS ACT Pushbuttons and Indicator Lights**  
Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte  
Actuating and Signaling Elements

**EMERGENCY STOP mushroom pushbuttons**

Version of actuating element	Outer diameter of mushroom mm	Make of lock	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
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**EMERGENCY STOP mushroom pushbuttons**

**With key-operated release**



3SU1000-1HF20-0AA0

Tamper-proof,  
2 positions

40

RONIS SB30  
RONIS 455

Red  
Red

A  
B

**3SU1000-1HF20-0AA0**  
**3SU1000-1HG20-0AA0**

1 1 unit  
1 1 unit



3SU1000-1HK20-0AA0

BKS S1 Red A  
BKS E7 Red B  
BKS E9 Red B

**3SU1000-1HK20-0AA0**  
**3SU1000-1HM20-0AA0**  
**3SU1000-1HN20-0AA0**

1 1 unit  
1 1 unit  
1 1 unit



3SU1000-1HQ20-0AA0

O.M.R. 73037 Red A

**3SU1000-1HQ20-0AA0**

1 1 unit



3SU1000-1HR20-0AA0

CES SSG10 Red A  
CES SSP9 Red A  
CES SMS1 Red B

**3SU1000-1HR20-0AA0**  
**3SU1000-1HS20-0AA0**  
**3SU1000-1HT20-0AA0**

1 1 unit  
1 1 unit  
1 1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte  
Actuating and Signaling Elements

## Selector switches

### Selection and ordering data

Version of actuating element	Operating principle	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Selector switches</b>						
<b>2 switch positions (O+I), can be illuminated</b>						
 3SU1032-2BC40-0AA0	Selector, short black actuator Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	Red	B	<b>3SU1032-2BC20-0AA0</b>	1	1 unit
		Yellow	B	<b>3SU1032-2BC30-0AA0</b>	1	1 unit
		Green	B	<b>3SU1032-2BC40-0AA0</b>	1	1 unit
		Blue	B	<b>3SU1032-2BC50-0AA0</b>	1	1 unit
		White	▶	<b>3SU1032-2BC60-0AA0</b>	1	1 unit
 3SU1032-2BF30-0AA0	Latching, 90° (10:30/1:30 o'clock) 	Red	▶	<b>3SU1032-2BF20-0AA0</b>	1	1 unit
		Yellow	B	<b>3SU1032-2BF30-0AA0</b>	1	1 unit
		Green	A	<b>3SU1032-2BF40-0AA0</b>	1	1 unit
		Blue	B	<b>3SU1032-2BF50-0AA0</b>	1	1 unit
		White	▶	<b>3SU1032-2BF60-0AA0</b>	1	1 unit
 3SU1032-2CF60-0AA0	Selector, long black actuator Latching, 90° (10:30/1:30 o'clock) 	Red	B	<b>3SU1032-2CF20-0AA0</b>	1	1 unit
		White	B	<b>3SU1032-2CF60-0AA0</b>	1	1 unit
 3SU1032-2AF20-0AA0	Rotary knob Latching, 90° (10:30/1:30 o'clock) 	Red	B	<b>3SU1032-2AF20-0AA0</b>	1	1 unit
		White	B	<b>3SU1032-2AF60-0AA0</b>	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte Actuating and Signaling Elements

### Selector switches

Version of actuating element	Operating principle	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
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#### Selector switches

#### 3 switch positions (I+O+II), can be illuminated



3SU1032-2BM60-0AA0

Selector, short black actuator

Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right



Red  
Yellow  
Green  
Blue  
White

B  
B  
B  
B  
▶

**3SU1032-2BM20-0AA0**  
**3SU1032-2BM30-0AA0**  
**3SU1032-2BM40-0AA0**  
**3SU1032-2BM50-0AA0**  
**3SU1032-2BM60-0AA0**

1 1 unit  
1 1 unit  
1 1 unit  
1 1 unit  
1 1 unit



3SU1032-2BL20-0AA0

Latching, 2x45° (10:30/12/1:30 o'clock)



Red  
Yellow  
Green  
Blue  
White

B  
B  
A  
B  
▶

**3SU1032-2BL20-0AA0**  
**3SU1032-2BL30-0AA0**  
**3SU1032-2BL40-0AA0**  
**3SU1032-2BL50-0AA0**  
**3SU1032-2BL60-0AA0**

1 1 unit  
1 1 unit  
1 1 unit  
1 1 unit  
1 1 unit



3SU1032-2BP40-0AA0

Momentary contact/latching, 2x45° (10:30/12/1:30 o'clock), reset from left, latching to the right



Red  
Yellow  
Green  
Blue  
White

B  
B  
B  
B  
▶

**3SU1032-2BP20-0AA0**  
**3SU1032-2BP30-0AA0**  
**3SU1032-2BP40-0AA0**  
**3SU1032-2BP50-0AA0**  
**3SU1032-2BP60-0AA0**

1 1 unit  
1 1 unit  
1 1 unit  
1 1 unit  
1 1 unit



3SU1032-2BN30-0AA0

Latching/momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from right, latching to the left



Red  
Yellow  
Green  
Blue  
White

B  
B  
B  
B  
▶

**3SU1032-2BN20-0AA0**  
**3SU1032-2BN30-0AA0**  
**3SU1032-2BN40-0AA0**  
**3SU1032-2BN50-0AA0**  
**3SU1032-2BN60-0AA0**








1 1 unit  
1 1 unit  
1 1 unit  
1 1 unit  
1 1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte  
Actuating and Signaling Elements

## Key-operated switches

### Selection and ordering data

Operating principle	Make of lock	Switch position for key removal	Number of keys	DT	Order No.	PU (UNIT, SET, M)	PS*	
<b>Key-operated switches</b>								
<b>2 switch positions (O+I)</b>								
 <p>3SU1030-4BC01-0AA0</p>	Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	RONIS, SB30	O	2	▶	3SU1030-4BC01-0AA0	1	1 unit
		RONIS, 455	O	2	B	3SU1030-4CC01-0AA0	1	1 unit
		O.M.R. 73037, red	O	2	B	3SU1030-4FC01-0AA0	1	1 unit
		O.M.R. 73038, light blue	O	2	B	3SU1030-4GC01-0AA0	1	1 unit
		O.M.R. 73034, black	O	2	B	3SU1030-4HC01-0AA0	1	1 unit
		O.M.R. 73033, yellow	O	2	B	3SU1030-4JC01-0AA0	1	1 unit
		CES, SSG10	O	2	▶	3SU1030-5BC01-0AA0	1	1 unit
		CES, LSG1	O	2	B	3SU1030-5HC01-0AA0	1	1 unit
		BKS, S1	O	2	A	3SU1030-5PC01-0AA0	1	1 unit
		IKON, 360012K1	O	2	B	3SU1030-5XC01-0AA0	1	1 unit
 <p>3SU1030-4BF01-0AA0</p>	Latching, 90° (10:30/1:30 o'clock) 	RONIS, SB30	O	2	▶	3SU1030-4BF01-0AA0	1	1 unit
			O+I	2	▶	3SU1030-4BF11-0AA0	1	1 unit
			I	2	B	3SU1030-4BF21-0AA0	1	1 unit
		RONIS, 455	O	2	B	3SU1030-4CF01-0AA0	1	1 unit
			O+I	2	B	3SU1030-4CF11-0AA0	1	1 unit
 <p>3SU1030-4FF01-0AA0</p>		O.M.R. 73037, red	O	2	B	3SU1030-4FF01-0AA0	1	1 unit
			O+I	2	B	3SU1030-4FF11-0AA0	1	1 unit
		O.M.R. 73038, light blue	O	2	▶	3SU1030-4GF01-0AA0	1	1 unit
			O+I	2	B	3SU1030-4GF11-0AA0	1	1 unit
		O.M.R. 73034, black	O	2	B	3SU1030-4HF01-0AA0	1	1 unit
			O+I	2	B	3SU1030-4HF11-0AA0	1	1 unit
			I	2	B	3SU1030-4HF21-0AA0	1	1 unit
		O.M.R. 73033, yellow	O	2	B	3SU1030-4JF01-0AA0	1	1 unit
			O+I	2	B	3SU1030-4JF11-0AA0	1	1 unit
 <p>3SU1030-5BF01-0AA0</p>		CES, SSG10	O	2	▶	3SU1030-5BF01-0AA0	1	1 unit
			O+I	2	▶	3SU1030-5BF11-0AA0	1	1 unit
			I	2	B	3SU1030-5BF21-0AA0	1	1 unit
		CES, LSG1	O	2	B	3SU1030-5HF01-0AA0	1	1 unit
			O+I	2	B	3SU1030-5HF11-0AA0	1	1 unit
 <p>3SU1030-5PF01-0AA0</p>		BKS, S1	O	2	B	3SU1030-5PF01-0AA0	1	1 unit
			O+II	2	B	3SU1030-5PF11-0AA0	1	1 unit
			I	2	B	3SU1030-5PF21-0AA0	1	1 unit
		BKS, E1	O	1	B	3SU1030-5QF01-0AA0	1	1 unit
			O+I	1	B	3SU1030-5QF11-0AA0	1	1 unit
		BKS, E2	O	1	A	3SU1030-5RF01-0AA0	1	1 unit
			O+I	1	B	3SU1030-5RF11-0AA0	1	1 unit
		BKS, E7	O	1	A	3SU1030-5SF01-0AA0	1	1 unit
			O+I	1	A	3SU1030-5SF11-0AA0	1	1 unit
		BKS, E9	O	1	B	3SU1030-5TF01-0AA0	1	1 unit
			O+I	1	B	3SU1030-5TF11-0AA0	1	1 unit
		IKON, 360012K1	O	2	A	3SU1030-5XF01-0AA0	1	1 unit
	O+I	2	B	3SU1030-5XF11-0AA0	1	1 unit		

**SIRIUS ACT Pushbuttons and Indicator Lights**  
Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte  
Actuating and Signaling Elements

**Key-operated switches**

Operating principle	Make of lock	Switch position for key removal	Number of keys	DT	Order No.	PU (UNIT, SET, M)	PS*
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**Key-operated switches**

**3 switch positions (I+O+II)**



3SU1030-4BM01-0AA0

Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right



Latching, 2x45° (10:30/12/1:30 o'clock)



3SU1030-4JL11-0AA0



3SU1030-5BL41-0AA0



3SU1030-5PL01-0AA0

Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right	RONIS, SB30	O	2	▶	<b>3SU1030-4BM01-0AA0</b>	1	1 unit
	O.M.R. 73037, red	O	2	B	<b>3SU1030-4FM01-0AA0</b>	1	1 unit
	O.M.R. 73034, black	O	2	B	<b>3SU1030-4HM01-0AA0</b>	1	1 unit
	CES, SSG10	O	2	A	<b>3SU1030-5BM01-0AA0</b>	1	1 unit
	BKS, S1	O	2	B	<b>3SU1030-5PM01-0AA0</b>	1	1 unit
	IKON, 360012K1	O	2	B	<b>3SU1030-5XM01-0AA0</b>	1	1 unit
Latching, 2x45° (10:30/12/1:30 o'clock)	RONIS, SB30	O	2	B	<b>3SU1030-4BL01-0AA0</b>	1	1 unit
		I+O+II	2	▶	<b>3SU1030-4BL11-0AA0</b>	1	1 unit
		I	2	B	<b>3SU1030-4BL21-0AA0</b>	1	1 unit
		II (right)	2	B	<b>3SU1030-4BL31-0AA0</b>	1	1 unit
		I+II	2	B	<b>3SU1030-4BL41-0AA0</b>	1	1 unit
		(left, right)	2	B	<b>3SU1030-4BL51-0AA0</b>	1	1 unit
		O+I (center, left)	2	B	<b>3SU1030-4BL51-0AA0</b>	1	1 unit
	RONIS, 455	O	2	B	<b>3SU1030-4CL01-0AA0</b>	1	1 unit
		I+O+II	2	B	<b>3SU1030-4CL11-0AA0</b>	1	1 unit
	O.M.R. 73037, red	O	2	B	<b>3SU1030-4FL01-0AA0</b>	1	1 unit
		O+I (center, left)	2	B	<b>3SU1030-4FL51-0AA0</b>	1	1 unit
	O.M.R. 73038, light blue	O	2	▶	<b>3SU1030-4GL01-0AA0</b>	1	1 unit
	I+O+II	2	B	<b>3SU1030-4GL11-0AA0</b>	1	1 unit	
O.M.R. 73034, black	O	2	B	<b>3SU1030-4HL01-0AA0</b>	1	1 unit	
	I+O+II	2	B	<b>3SU1030-4HL11-0AA0</b>	1	1 unit	
O.M.R. 73033, yellow	I+O+II	2	B	<b>3SU1030-4JL11-0AA0</b>	1	1 unit	
Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right	CES, SSG10	O	2	B	<b>3SU1030-5BL01-0AA0</b>	1	1 unit
		I+O+II	2	A	<b>3SU1030-5BL11-0AA0</b>	1	1 unit
		I	2	B	<b>3SU1030-5BL21-0AA0</b>	1	1 unit
		II (right)	2	B	<b>3SU1030-5BL31-0AA0</b>	1	1 unit
		I+II	2	B	<b>3SU1030-5BL41-0AA0</b>	1	1 unit
		(left, right)	2	B	<b>3SU1030-5BL41-0AA0</b>	1	1 unit
Latching, 2x45° (10:30/12/1:30 o'clock)		O+I (center, left)	2	B	<b>3SU1030-5BL51-0AA0</b>	1	1 unit
	BKS, S1	O	2	B	<b>3SU1030-5PL01-0AA0</b>	1	1 unit
		I+O+II	2	B	<b>3SU1030-5PL11-0AA0</b>	1	1 unit
		I	2	B	<b>3SU1030-5PL21-0AA0</b>	1	1 unit
		II (right)	2	B	<b>3SU1030-5PL31-0AA0</b>	1	1 unit
		I+II	2	B	<b>3SU1030-5PL41-0AA0</b>	1	1 unit
	(left, right)	2	B	<b>3SU1030-5PL41-0AA0</b>	1	1 unit	
BKS, E2	I+O+II	1	B	<b>3SU1030-5RL11-0AA0</b>	1	1 unit	
BKS, E9	I+O+II	1	B	<b>3SU1030-5TL11-0AA0</b>	1	1 unit	
Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right	IKON, 360012K1	O	2	B	<b>3SU1030-5XL01-0AA0</b>	1	1 unit
		I+O+II	2	B	<b>3SU1030-5XL11-0AA0</b>	1	1 unit

## SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte  
Actuating and Signaling Elements

### Key-operated switches / ID key-operated switches

Operating principle	Make of lock	Switch position for key removal	Number of keys	DT	Order No.	PU (UNIT, SET, M)	PS*
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#### Key-operated switches

##### 3 switch positions (I+O+II)



3SU1030-4BP01-0AA0

Momentary contact/latching, 2x45° (10:30/12/1:30 o'clock), reset from left, latching to the right



CES, SSG10

O	2	B
II (right)	2	B
O + II (center, right)	2	B

**3SU1030-4BP01-0AA0**  
**3SU1030-4BP31-0AA0**  
**3SU1030-4BP61-0AA0**

1 1 unit  
1 1 unit  
1 1 unit

O	2	B
II (right)	2	B
O + II (center, right)	2	B

**3SU1030-5BP01-0AA0**  
**3SU1030-5BP31-0AA0**  
**3SU1030-5BP61-0AA0**

1 1 unit  
1 1 unit  
1 1 unit

O	2	B
---	---	---

**3SU1030-5PP01-0AA0**

1 1 unit

Latching/momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from right, latching to the left



O	2	B
I	2	B
O+I (center, left)	2	B

**3SU1030-4BN01-0AA0**  
**3SU1030-4BN21-0AA0**  
**3SU1030-4BN51-0AA0**

1 1 unit  
1 1 unit  
1 1 unit

O	2	B
I	2	B

**3SU1030-4GN01-0AA0**  
**3SU1030-4HN21-0AA0**

1 1 unit  
1 1 unit

O	2	B
I	2	B
O+I (center, left)	2	B

**3SU1030-5BN01-0AA0**  
**3SU1030-5BN21-0AA0**  
**3SU1030-5BN51-0AA0**

1 1 unit  
1 1 unit  
1 1 unit



3SU1030-5BN01-0AA0

O	2	B
O+I (center, left)	2	B

**3SU1030-5PN21-0AA0**  
**3SU1030-5PN51-0AA0**

1 1 unit  
1 1 unit

O+I (center, left)	2	B
--------------------	---	---

**3SU1030-5XN51-0AA0**

1 1 unit

#### Selection and ordering data

Operating angle	Operating principle	Switch position for key removal	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
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#### ID key-operated switches

##### 4 switch positions (O+I+II+III)



3SU1030-4WS10-0AA0

45	Latching	O+I+II+III	Black	X
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**3SU1030-4WS10-0AA0**

1 1 unit

For available keys, [see page 115](#)  
For electronic modules for ID key-operated switches, [see page 83](#)

**SIRIUS ACT Pushbuttons and Indicator Lights**  
Actuators and Indicators, 22 mm, Plastic with Metal Front Ring, Matte  
Actuating and Signaling Elements

**Indicator lights**

**Selection and ordering data**

Version of actuating element	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
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**Indicator lights**



3SU1001-6AA20-0AA0


Indicator lights with smooth lens	Amber	B	<b>3SU1001-6AA00-0AA0</b>	1	1 unit
	Red	A	<b>3SU1001-6AA20-0AA0</b>	1	1 unit
	Yellow	A	<b>3SU1001-6AA30-0AA0</b>	1	1 unit
	Green	A	<b>3SU1001-6AA40-0AA0</b>	1	1 unit
	Blue	A	<b>3SU1001-6AA50-0AA0</b>	1	1 unit
	White	A	<b>3SU1001-6AA60-0AA0</b>	1	1 unit
	Clear	A	<b>3SU1001-6AA70-0AA0</b>	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Metal, Shiny  
Complete Units

## Pushbuttons

### Selection and ordering data

Supply voltage for light source		Color	Number of NO contacts	Number of NC contacts	DT	Screw terminals		PU (UNIT, SET, M)	PS*
At AC	At DC								
V	V					Order No.			

#### Pushbuttons

##### Pushbuttons with flat button, momentary contact



3SU1150-0AB30-1BA0

--	--	Black	1	0	▶	3SU1150-0AB10-1BA0		1	1 unit
			0	1		3SU1150-0AB10-1CA0		1	1 unit
		Red	1	0	B	3SU1150-0AB20-1BA0		1	1 unit
			0	1	▶	3SU1150-0AB20-1CA0		1	1 unit
		Yellow	1	0	▶	3SU1150-0AB30-1BA0		1	1 unit
		Green	1	0	▶	3SU1150-0AB40-1BA0		1	1 unit
		Blue	1	0	▶	3SU1150-0AB50-1BA0		1	1 unit
		White	1	0	▶	3SU1150-0AB60-1BA0		1	1 unit
		Clear	1	0	B	3SU1150-0AB70-1BA0		1	1 unit

##### Pushbuttons with raised button, momentary contact



3SU1150-0BB20-1CA0

--	--	Black	1	0	B	3SU1150-0BB10-1BA0		1	1 unit
			0	1	B	3SU1150-0BB10-1CA0		1	1 unit
		Red	0	1	B	3SU1150-0BB20-1CA0		1	1 unit
		Blue	1	0	B	3SU1150-0BB50-1BA0		1	1 unit

##### Illuminated pushbuttons with flat button, momentary contact, with integrated LED



3SU1152-0AB20-1CA0

24	24	Amber	1	0	▶	3SU1152-0AB00-1BA0		1	1 unit
		Red	0	1	▶	3SU1152-0AB20-1CA0		1	1 unit
		Yellow	1	0	▶	3SU1152-0AB30-1BA0		1	1 unit
		Green	1	0	▶	3SU1152-0AB40-1BA0		1	1 unit
		Blue	1	0	▶	3SU1152-0AB50-1BA0		1	1 unit
		White	1	0	A	3SU1152-0AB60-1BA0		1	1 unit
		Clear	1	0	▶	3SU1152-0AB70-1BA0		1	1 unit



3SU1153-0AB20-1CA0

110	--	Amber	1	0	B	3SU1153-0AB00-1BA0		1	1 unit
		Red	0	1	B	3SU1153-0AB20-1CA0		1	1 unit
		Yellow	1	0	B	3SU1153-0AB30-1BA0		1	1 unit
		Green	1	0	B	3SU1153-0AB40-1BA0		1	1 unit
		Blue	1	0	B	3SU1153-0AB50-1BA0		1	1 unit
		White	1	0	B	3SU1153-0AB60-1BA0		1	1 unit
		Clear	1	0	B	3SU1153-0AB70-1BA0		1	1 unit


230	--	Amber	1	0	B	3SU1156-0AB00-1BA0		1	1 unit
		Red	0	1	B	3SU1156-0AB20-1CA0		1	1 unit
		Yellow	1	0	B	3SU1156-0AB30-1BA0		1	1 unit
		Green	1	0	B	3SU1156-0AB40-1BA0		1	1 unit
		Blue	1	0	B	3SU1156-0AB50-1BA0		1	1 unit
		White	1	0	B	3SU1156-0AB60-1BA0		1	1 unit
		Clear	1	0	B	3SU1156-0AB70-1BA0		1	1 unit



# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, 22 mm, Metal, Shiny Complete Units

### Pushbuttons

Supply voltage for light source		Color	Number of NO contacts	Number of NC contacts	DT	Spring-type terminals 	PU (UNIT, SET, M)	PS*
At AC	At DC							
V	V	Order No.						
<b>Pushbuttons with flat button, momentary contact</b>								
--	--	Black	1	0	▶	<b>3SU1150-0AB10-3BA0</b>	1	1 unit
			0	1	B	<b>3SU1150-0AB10-3CA0</b>	1	1 unit
		Red	0	1	B	<b>3SU1150-0AB20-3CA0</b>	1	1 unit
		Yellow	1	0	B	<b>3SU1150-0AB30-3BA0</b>	1	1 unit
		Green	1	0	B	<b>3SU1150-0AB40-3BA0</b>	1	1 unit
		Blue	1	0	B	<b>3SU1150-0AB50-3BA0</b>	1	1 unit
		White	1	0	B	<b>3SU1150-0AB60-3BA0</b>	1	1 unit
<b>Pushbuttons with raised button, momentary contact</b>								
--	--	Red	0	1	B	<b>3SU1150-0BB20-3CA0</b>	1	1 unit
<b>Illuminated pushbuttons with flat button, momentary contact, with integrated LED</b>								
24	24	Red	0	1	B	<b>3SU1152-0AB20-3CA0</b>	1	1 unit
		Yellow	1	0	B	<b>3SU1152-0AB30-3BA0</b>	1	1 unit
		Green	1	0	B	<b>3SU1152-0AB40-3BA0</b>	1	1 unit
		Blue	1	0	B	<b>3SU1152-0AB50-3BA0</b>	1	1 unit
		White	1	0	B	<b>3SU1152-0AB60-3BA0</b>	1	1 unit
		Clear	1	0	B	<b>3SU1152-0AB70-3BA0</b>	1	1 unit
110	--	Red	0	1	B	<b>3SU1153-0AB20-3CA0</b>	1	1 unit
		Yellow	1	0	B	<b>3SU1153-0AB30-3BA0</b>	1	1 unit
		Green	1	0	B	<b>3SU1153-0AB40-3BA0</b>	1	1 unit
		Blue	1	0	B	<b>3SU1153-0AB50-3BA0</b>	1	1 unit
		White	1	0	B	<b>3SU1153-0AB60-3BA0</b>	1	1 unit
		Clear	1	0	B	<b>3SU1153-0AB70-3BA0</b>	1	1 unit
230	--	Red	0	1	B	<b>3SU1156-0AB20-3CA0</b>	1	1 unit
		Yellow	1	0	B	<b>3SU1156-0AB30-3BA0</b>	1	1 unit
		Green	1	0	B	<b>3SU1156-0AB40-3BA0</b>	1	1 unit
		Blue	1	0	B	<b>3SU1156-0AB50-3BA0</b>	1	1 unit
		White	1	0	B	<b>3SU1156-0AB60-3BA0</b>	1	1 unit
		Clear	1	0	B	<b>3SU1156-0AB70-3BA0</b>	1	1 unit



3SU1150-0AB40-3BA0



3SU1150-0BB20-1CA0



3SU1152-0AB50-3BA0



3SU1153-0AB60-3BA0




3SU1156-0AB30-3BA0

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Metal, Shiny  
Complete Units

## Mushroom pushbuttons / EMERGENCY STOP mushroom pushbuttons

### Selection and ordering data


Unlatching method	Number of NO contacts	Number of NC contacts	DT	Screw terminals 	PU (UNIT, SET, M)	PS*
				Order No.		

#### Mushroom pushbuttons


##### With red mushroom, diameter 40 mm, latching



3SU1150-1BA20-1CA0

Pull to unlatch	0	1		DT	<b>3SU1150-1BA20-1CA0</b>	1	1 unit
					<b>Spring-type terminals</b> 		
Pull to unlatch	0	1		B	<b>3SU1150-1BA20-3CA0</b>	1	1 unit

### Selection and ordering data

Unlatching method	Number of NO contacts	Number of NC contacts	Marking	DT	Screw terminals 	PU (UNIT, SET, M)	PS*
					Order No.		

#### EMERGENCY STOP mushroom pushbuttons, tamper-proof, in accordance with ISO 13850 and IEC 60947-5-5

##### With red mushroom, diameter 40 mm, with positive latching



3SU1150-1HA20-1CG0

Pull to unlatch	0	1	EMERGENCY STOP		DT	<b>3SU1150-1HA20-1CG0</b>	1	1 unit
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3SU1150-1HB20-1CG0

Rotate to unlatch	0	1	EMERGENCY STOP			<b>3SU1150-1HB20-1CG0</b>	1	1 unit
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3SU1150-1HA20-3CH0


						<b>Spring-type terminals</b> 		
Pull to unlatch	0	1	NOT-HALT	B	<b>3SU1150-1HA20-3CH0</b>	1	1 unit	
	0	2	NOT-HALT	B	<b>3SU1150-1HA20-3PH0</b>	1	1 unit	



3SU1150-1HB20-3CH0

Rotate to unlatch	0	1	NOT-HALT	B	<b>3SU1150-1HB20-3CH0</b>	1	1 unit
	0	2	NOT-HALT	B	<b>3SU1150-1HB20-3PH0</b>	1	1 unit

**Selection and ordering data**


Operating principle	Color	Number of NO contacts	Number of NC contacts	DT	Screw terminals 	PU (UNIT, SET, M)	PS*
Order No.							

**Selector switches**



3SU1150-2BF60-1BA0

**Short black actuator, 2 switch positions (O+I)**

Latching, 90°	White	1	0	▶
		1	1	▶

<b>3SU1150-2BF60-1BA0</b>	1	1 unit
<b>3SU1150-2BF60-1MA0</b>	1	1 unit

**Short black actuator, 3 switch positions (I+O+II)**

Momentary contact, 2x45° reset from left + right	White	2	0	A
				

<b>3SU1150-2BM60-1NA0</b>	1	1 unit
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Latching, 2x45°	White	2	0	A
				


<b>3SU1150-2BL60-1NA0</b>	1	1 unit
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**Spring-type terminals **



3SU1150-2BL60-3NA0

**Short black actuator, 2 switch positions (O+I)**

Latching, 90°	White	1	0	▶
		1	1	▶

<b>3SU1150-2BF60-3BA0</b>	1	1 unit
<b>3SU1150-2BF60-3MA0</b>	1	1 unit

**Short black actuator, 3 switch positions (I+O+II)**


Momentary contact, 2x45° reset from left + right	White	2	0	B
				

<b>3SU1150-2BM60-3NA0</b>	1	1 unit
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Latching, 2x45°	White	2	0	▶
				

<b>3SU1150-2BL60-3NA0</b>	1	1 unit
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**Selection and ordering data**


Operating principle	Switch position for key removal	Number of NO contacts	Number of NC contacts	DT	Screw terminals 	PU (UNIT, SET, M)	PS*
Order No.							


**Key-operated switches**



3SU1150-4BF11-1BA0

**With Ronis lock, SB30, 2 switch positions (O+I)**

Latching, 90° (10:30/1:30 o'clock)	O+I	1	0	▶
				
	O+I	1	0	B
	O	0	2	B








<b>3SU1150-4BF11-1BA0</b>	1	1 unit
<b>Spring-type terminals </b>		
<b>3SU1150-4BF11-3BA0</b>	1	1 unit
<b>3SU1150-4BF01-3PA0</b>	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Metal, Shiny Compact Units

## Indicator lights

### Selection and ordering data

Indicator lights	Operational voltage		Color		DT	Screw terminals 	PU (UNIT, SET, M)	PS*
	At AC, rated value	At DC, rated value	Of actuating element	Of light source				
	V	V				Order No.		
 3SU1152-6AA50-1AA0	24	24	Amber	Amber	B	3SU1152-6AA00-1AA0	1	1 unit
			Red	Red	▶	3SU1152-6AA20-1AA0	1	1 unit
			Yellow	Yellow	▶	3SU1152-6AA30-1AA0	1	1 unit
			Green	Green	▶	3SU1152-6AA40-1AA0	1	1 unit
			Blue	Blue	▶	3SU1152-6AA50-1AA0	1	1 unit
			White	White	▶	3SU1152-6AA60-1AA0	1	1 unit
			Clear	White	B	3SU1152-6AA70-1AA0	1	1 unit
 3SU1153-6AA00-1AA0	110	--	Amber	Amber	B	3SU1153-6AA00-1AA0	1	1 unit
			Red	Red	A	3SU1153-6AA20-1AA0	1	1 unit
			Yellow	Yellow	B	3SU1153-6AA30-1AA0	1	1 unit
			Green	Green	A	3SU1153-6AA40-1AA0	1	1 unit
			Blue	Blue	B	3SU1153-6AA50-1AA0	1	1 unit
			White	White	B	3SU1153-6AA60-1AA0	1	1 unit
			Clear	White	B	3SU1153-6AA70-1AA0	1	1 unit
 3SU1156-6AA60-1AA0	AC 230	--	Red	Red	A	3SU1156-6AA20-1AA0	1	1 unit
			Yellow	Yellow	B	3SU1156-6AA30-1AA0	1	1 unit
			Green	Green	A	3SU1156-6AA40-1AA0	1	1 unit
			Blue	Blue	B	3SU1156-6AA50-1AA0	1	1 unit
			White	White	B	3SU1156-6AA60-1AA0	1	1 unit
			Clear	White	B	3SU1156-6AA70-1AA0	1	1 unit
			 3SU1152-6AA40-3AA0	24	24	Red	Red	▶
Yellow	Yellow	▶				3SU1152-6AA30-3AA0	1	1 unit
Green	Green	▶				3SU1152-6AA40-3AA0	1	1 unit
Blue	Blue	▶				3SU1152-6AA50-3AA0	1	1 unit
White	White	▶				3SU1152-6AA60-3AA0	1	1 unit
Clear	White	B				3SU1152-6AA70-3AA0	1	1 unit
 3SU1153-6AA30-3AA0	110	--				Red	Red	B
			Yellow	Yellow	B	3SU1153-6AA30-3AA0	1	1 unit
			Green	Green	B	3SU1153-6AA40-3AA0	1	1 unit
			Blue	Blue	B	3SU1153-6AA50-3AA0	1	1 unit
			White	White	B	3SU1153-6AA60-3AA0	1	1 unit
			Clear	White	B	3SU1153-6AA70-3AA0	1	1 unit
			 3SU1156-6AA20-3AA0	230	--	Red	Red	B
Yellow	Yellow	B				3SU1156-6AA30-3AA0	1	1 unit
Green	Green	B				3SU1156-6AA40-3AA0	1	1 unit
Blue	Blue	B				3SU1156-6AA50-3AA0	1	1 unit
White	White	B				3SU1156-6AA60-3AA0	1	1 unit
Clear	White	B				3SU1156-6AA70-3AA0	1	1 unit

**Selection and ordering data**

Version	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
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**Pushbuttons with extended stroke**



3SU1250-0EB40-0AA0

**Pushbuttons with flat button**

Red  
Green

B  
B

**3SU1250-0EB20-0AA0**  
**3SU1250-0EB40-0AA0**

1 1 unit  
1 1 unit



3SU1250-0FB10-0AA0

**Pushbuttons with raised button**

Black

A

**3SU1250-0FB10-0AA0**

1 1 unit



3SU1251-0EB20-0AA0

**Illuminated pushbuttons with flat button**

Red  
Clear

B  
B

**3SU1251-0EB20-0AA0**  
**3SU1251-0EB70-0AA0**

1 1 unit  
1 1 unit

Version	Material	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
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**Accessories**



3SU1900-0KG10-0AA0

Extension plungers  
For compensation of the  
distance between the  
pushbutton and the  
unlatching button of an  
overload relay

Plastic

Black

A

**3SU1900-0KG10-0AA0**





1 1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Metal, Shiny  
Actuating and Signaling Elements

## Pushbuttons




### Selection and ordering data

Version of actuating element Front ring version	Operating principle Unlatching method	Color, marking	DT	Order No.	PU (UNIT, SET, M)	PS*	
<b>Pushbuttons</b>							
 3SU1050-0AB40-0AC0	<b>Pushbuttons</b> with flat button Standard	Momentary contact	Black	▶	3SU1050-0AB10-0AA0	1	1 unit
			Black, "O"	B	3SU1050-0AB10-0AD0	1	1 unit
			Red	▶	3SU1050-0AB20-0AA0	1	1 unit
			Red, "O"	B	3SU1050-0AB20-0AD0	1	1 unit
			Yellow	▶	3SU1050-0AB30-0AA0	1	1 unit
			Green	▶	3SU1050-0AB40-0AA0	1	1 unit
			Green, "I"	B	3SU1050-0AB40-0AC0	1	1 unit
			Blue	▶	3SU1050-0AB50-0AA0	1	1 unit
			Blue, "R"	B	3SU1050-0AB50-0AR0	1	1 unit
			White	▶	3SU1050-0AB60-0AA0	1	1 unit
			White, "⊕"	B	3SU1050-0AB60-0AB0	1	1 unit
			White, "I"	B	3SU1050-0AB60-0AC0	1	1 unit
			Clear	▶	3SU1050-0AB70-0AA0	1	1 unit
			Gray	▶	3SU1050-0AB80-0AA0	1	1 unit
 3SU1050-0AA30-0AA0		Latching	Black	▶	3SU1050-0AA10-0AA0	1	1 unit
		Push to unlatch	Red	▶	3SU1050-0AA20-0AA0	1	1 unit
			Yellow	▶	3SU1050-0AA30-0AA0	1	1 unit
			Green	▶	3SU1050-0AA40-0AA0	1	1 unit
			Blue	▶	3SU1050-0AA50-0AA0	1	1 unit
			White	▶	3SU1050-0AA60-0AA0	1	1 unit
 3SU1050-0BB20-0AA0	<b>Pushbuttons</b> with raised button Standard	Momentary contact	Black	▶	3SU1050-0BB10-0AA0	1	1 unit
			Red	▶	3SU1050-0BB20-0AA0	1	1 unit
			Yellow	▶	3SU1050-0BB30-0AA0	1	1 unit
			Green	▶	3SU1050-0BB40-0AA0	1	1 unit
			Blue	▶	3SU1050-0BB50-0AA0	1	1 unit
			White	▶	3SU1050-0BB60-0AA0	1	1 unit
		Latching	Red	B	3SU1050-0BA20-0AA0	1	1 unit
Push to unlatch							
 3SU1050-0CB50-0AA0	<b>Pushbuttons</b> with flat button Raised	Momentary contact	Black	▶	3SU1050-0CB10-0AA0	1	1 unit
			Red	B	3SU1050-0CB20-0AA0	1	1 unit
			Yellow	B	3SU1050-0CB30-0AA0	1	1 unit
			Green	B	3SU1050-0CB40-0AA0	1	1 unit
			Blue	▶	3SU1050-0CB50-0AA0	1	1 unit
			White	B	3SU1050-0CB60-0AA0	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Metal, Shiny  
Actuating and Signaling Elements

## Pushbuttons





Version of actuating element		Operating principle Unlatching method	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
Front ring version							
<b>Pushbuttons</b>							
 3SU1051-0AB30-0AA0	<b>Illuminated pushbuttons</b> with flat button Standard	Momentary contact	Amber	▶	3SU1051-0AB00-0AA0	1	1 unit
			Red	▶	3SU1051-0AB20-0AA0	1	1 unit
			Yellow	▶	3SU1051-0AB30-0AA0	1	1 unit
			Green	▶	3SU1051-0AB40-0AA0	1	1 unit
			Blue	▶	3SU1051-0AB50-0AA0	1	1 unit
			White	▶	3SU1051-0AB60-0AA0	1	1 unit
			Clear	▶	3SU1051-0AB70-0AA0	1	1 unit
			 3SU1051-0AA20-0AA0	<b>Illuminated pushbuttons</b> with flat button Standard	Latching Push to unlatch	Red	▶
Yellow	B	3SU1051-0AA30-0AA0				1	1 unit
Green	▶	3SU1051-0AA40-0AA0				1	1 unit
Blue	▶	3SU1051-0AA50-0AA0				1	1 unit
White	▶	3SU1051-0AA60-0AA0				1	1 unit
Clear	B	3SU1051-0AA70-0AA0				1	1 unit
 3SU1051-0BB20-0AA0	<b>Illuminated pushbuttons</b> with raised button Standard	Momentary contact				Amber	▶
			Red	▶	3SU1051-0BB20-0AA0	1	1 unit
			Yellow	▶	3SU1051-0BB30-0AA0	1	1 unit
			Green	▶	3SU1051-0BB40-0AA0	1	1 unit
			Blue	▶	3SU1051-0BB50-0AA0	1	1 unit
			White	▶	3SU1051-0BB60-0AA0	1	1 unit
			Clear	B	3SU1051-0BB70-0AA0	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Metal, Shiny  
Actuating and Signaling Elements

## Twin pushbuttons

### Selection and ordering data

Version of actuating element	Operating principle	Color	Marking	DT	Order No.	PU (UNIT, SET, M)	PS*		
<b>Twin pushbuttons</b>									
	Twin pushbuttons, flat, flat	Momentary contact	Green / Red	-- "I" / "O"	B	<b>3SU1050-3AB42-0AA0</b>	1	1 unit	
						▶	<b>3SU1050-3AB42-0AK0</b>	1	1 unit
			White / Black	-- "I" / "O"	B	<b>3SU1050-3AB61-0AA0</b>	1	1 unit	
					B	<b>3SU1050-3AB61-0AK0</b>	1	1 unit	
			White / White	-- "_" / "+"	B	<b>3SU1050-3AB66-0AA0</b>	1	1 unit	
				Arrows, hor.	B	<b>3SU1050-3AB66-0AL0</b>	1	1 unit	
		B	<b>3SU1050-3AB66-0AM0</b>	1	1 unit				
	Black / Black	--	Symbol No. 5264 / 5265 (IEC 60417)	B	<b>3SU1050-3AB11-0AA0</b>	1	1 unit		
				B	<b>3SU1050-3AB11-0AQ0</b>	1	1 unit		
	Twin pushbuttons, flat, raised	Momentary contact	Green / Red	-- "I" / "O"	B	<b>3SU1050-3BB42-0AA0</b>	1	1 unit	
						▶	<b>3SU1050-3BB42-0AK0</b>	1	1 unit
			White / Black	-- "I" / "O"	B	<b>3SU1050-3BB61-0AA0</b>	1	1 unit	
				B	<b>3SU1050-3BB61-0AK0</b>	1	1 unit		
	Twin pushbuttons, flat, flat, illuminated	Momentary contact	Green / Red	-- "I" / "O"	B	<b>3SU1051-3AB42-0AA0</b>	1	1 unit	
						▶	<b>3SU1051-3AB42-0AK0</b>	1	1 unit
				Arrows, vert.	B	<b>3SU1051-3AB42-0AN0</b>	1	1 unit	
			White / Black	-- "I" / "O"	B	<b>3SU1051-3AB61-0AA0</b>	1	1 unit	
				B	<b>3SU1051-3AB61-0AK0</b>	1	1 unit		
	Twin pushbuttons, flat, raised, illuminated	Momentary contact	Green / Red	-- "I" / "O"	B	<b>3SU1051-3BB42-0AA0</b>	1	1 unit	
						▶	<b>3SU1051-3BB42-0AK0</b>	1	1 unit
			White / Black	-- "I" / "O"	B	<b>3SU1051-3BB61-0AA0</b>	1	1 unit	
					B	<b>3SU1051-3BB61-0AK0</b>	1	1 unit	



**SIRIUS ACT Pushbuttons and Indicator Lights**  
Actuators and Indicators, 22 mm, Metal, Shiny  
Actuating and Signaling Elements

**Mushroom pushbuttons**

**Selection and ordering data**

Version of actuating element	Operating principle Unlatching method	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
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**Mushroom pushbuttons**

**2 switch positions**



3SU1050-1AD20-0AA0

**Mushroom pushbuttons**  
30 mm diameter,  
2 positions

Momentary contact	Black	▶		3SU1050-1AD10-0AA0	1	1 unit
	Red	▶		3SU1050-1AD20-0AA0	1	1 unit
Latching	Yellow	▶		3SU1050-1AD30-0AA0	1	1 unit
	Green	B		3SU1050-1AD40-0AA0	1	1 unit
Pull to unlatch	Black	B		3SU1050-1AA10-0AA0	1	1 unit
	Red	▶		3SU1050-1AA20-0AA0	1	1 unit



3SU1050-1BD30-0AA0

**Mushroom pushbuttons**  
40 mm diameter,  
2 positions

Momentary contact	Black	▶		3SU1050-1BD10-0AA0	1	1 unit
	Red	▶		3SU1050-1BD20-0AA0	1	1 unit
	Yellow	▶		3SU1050-1BD30-0AA0	1	1 unit
	Green	B		3SU1050-1BD40-0AA0	1	1 unit
Latching	Black	▶		3SU1050-1BA10-0AA0	1	1 unit
	Red	▶		3SU1050-1BA20-0AA0	1	1 unit
Pull to unlatch	Yellow	B		3SU1050-1BA30-0AA0	1	1 unit



3SU1050-1CD40-0AA0

**Mushroom pushbuttons**  
60 mm diameter, 2  
positions

Momentary contact	Black	▶		3SU1050-1CD10-0AA0	1	1 unit
	Red	▶		3SU1050-1CD20-0AA0	1	1 unit
	Yellow	B		3SU1050-1CD30-0AA0	1	1 unit
	Green	B		3SU1050-1CD40-0AA0	1	1 unit
Latching	Black	B		3SU1050-1CA10-0AA0	1	1 unit
	Red	B		3SU1050-1CA20-0AA0	1	1 unit



3SU1051-1AD60-0AA0

**Mushroom pushbuttons**  
30 mm diameter,  
2 positions,  
illuminated

Momentary contact	Yellow	B		3SU1051-1AD30-0AA0	1	1 unit
	Green	B		3SU1051-1AD40-0AA0	1	1 unit
	White	B		3SU1051-1AD60-0AA0	1	1 unit
Latching	Amber	▶		3SU1051-1AA00-0AA0	1	1 unit
	Red	▶		3SU1051-1AA20-0AA0	1	1 unit
	Yellow	▶		3SU1051-1AA30-0AA0	1	1 unit
	Green	B		3SU1051-1AA40-0AA0	1	1 unit
	Blue	B		3SU1051-1AA50-0AA0	1	1 unit
	Clear	▶		3SU1051-1AA70-0AA0	1	1 unit



3SU1051-1BD40-0AA0

**Mushroom pushbuttons**  
40 mm diameter,  
2 positions,  
illuminated

Momentary contact	Amber	▶		3SU1051-1BD00-0AA0	1	1 unit
	Yellow	B		3SU1051-1BD30-0AA0	1	1 unit
	Green	B		3SU1051-1BD40-0AA0	1	1 unit
	White	B		3SU1051-1BD60-0AA0	1	1 unit
Latching	Amber	B		3SU1051-1BA00-0AA0	1	1 unit
	Red	B		3SU1051-1BA20-0AA0	1	1 unit
	Yellow	B		3SU1051-1BA30-0AA0	1	1 unit
	Green	B		3SU1051-1BA40-0AA0	1	1 unit
	Blue	B		3SU1051-1BA50-0AA0	1	1 unit
	Clear	B		3SU1051-1BA70-0AA0	1	1 unit



3SU1051-1CA50-0AA0









**Mushroom pushbuttons**  
60 mm diameter,  
2 positions,  
illuminated

Momentary contact	Amber	B		3SU1051-1CD00-0AA0	1	1 unit
	Yellow	B		3SU1051-1CD30-0AA0	1	1 unit
	Green	B		3SU1051-1CD40-0AA0	1	1 unit
	White	B		3SU1051-1CD60-0AA0	1	1 unit
Latching	Red	B		3SU1051-1CA20-0AA0	1	1 unit
	Yellow	B		3SU1051-1CA30-0AA0	1	1 unit
	Green	B		3SU1051-1CA40-0AA0	1	1 unit
	Blue	B		3SU1051-1CA50-0AA0	1	1 unit
	Clear	B		3SU1051-1CA70-0AA0	1	1 unit



# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Metal, Shiny  
Actuating and Signaling Elements

## Mushroom pushbuttons / EMERGENCY STOP mushroom pushbuttons

Version of actuating element	Operating principle Unlatching method	Color	DT	Order No.	PU (UNIT, SET, M)	PS*	
<b>Mushroom pushbuttons</b>							
<b>2 switch positions</b>							
 3SU1050-1HB10-0AA0	<b>Mushroom pushbuttons</b> with raised mushroom, tamper-proof 40 mm diameter, 2 positions	Latching	Black	B	3SU1050-1HB10-0AA0	1	1 unit
	Rotate to unlatch						
<b>3 switch positions</b>							
 3SU1050-1EA20-0AA0	<b>Mushroom pushbuttons</b> 40 mm diameter, 3 positions	Momentary contact	Black	B	3SU1050-1ED10-0AA0	1	1 unit
		 Latching	Red	B	3SU1050-1ED20-0AA0	1	1 unit
 3SU1051-1EA40-0AA0	<b>Mushroom pushbuttons</b> 40 mm diameter, 3 positions, illuminated	 Pull to unlatch	Black	B	3SU1050-1EA10-0AA0	1	1 unit
			Red	B	3SU1050-1EA20-0AA0	1	1 unit
 3SU1050-1HA20-0AA0	<b>EMERGENCY STOP mushroom pushbuttons</b> tamper-proof, 2 positions	Momentary contact	Red	B	3SU1051-1ED20-0AA0	1	1 unit
		 Latching	White	B	3SU1051-1ED60-0AA0	1	1 unit
 3SU1050-1GB20-0AA0	<b>EMERGENCY STOP mushroom pushbuttons</b> tamper-proof, 2 positions	 Pull to unlatch	Red	B	3SU1051-1EA20-0AA0	1	1 unit
			Green	B	3SU1051-1EA40-0AA0	1	1 unit

## Selection and ordering data

Version of actuating element	Outer diameter of mushroom	Make of lock	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>EMERGENCY STOP mushroom pushbuttons</b>							
<b>With pull-to-unlatch mechanism</b>							
 3SU1050-1HA20-0AA0	40	--	Red	▶	3SU1050-1HA20-0AA0	1	1 unit
<b>With rotate-to-unlatch mechanism</b>							
 3SU1050-1GB20-0AA0	33.8	--	Red	▶	3SU1050-1GB20-0AA0	1	1 unit

**SIRIUS ACT Pushbuttons and Indicator Lights**  
Actuators and Indicators, 22 mm, Metal, Shiny  
Actuating and Signaling Elements

**EMERGENCY STOP mushroom pushbuttons**

Version of actuating element	Outer diameter of mushroom	Make of lock	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
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**EMERGENCY STOP mushroom pushbuttons**

**With rotate-to-unlatch mechanism**



3SU1050-1HB20-0AA0

**EMERGENCY STOP mushroom pushbuttons** tamper-proof, 2 positions

40

--

Red

▶

**3SU1050-1HB20-0AA0**

1

1 unit



3SU1050-1JB20-0AA0

60

--

Red

▶

**3SU1050-1JB20-0AA0**

1

1 unit

**With rotate-to-unlatch mechanism, can be illuminated**



3SU1051-1HB20-0AA0

**EMERGENCY STOP mushroom pushbuttons** tamper-proof, 2 positions

33.8

--

Red

B

**3SU1051-1GB20-0AA0**

1

1 unit

B

**3SU1051-1HB20-0AA0**

1

1 unit

B

**3SU1051-1JB20-0AA0**

1

1 unit

**With key-operated release**



3SU1050-1HF20-0AA0

**EMERGENCY STOP mushroom pushbuttons** tamper-proof, 2 positions

40

RONIS SB30  
RONIS 455  
RONIS 421

Red

▶

**3SU1050-1HF20-0AA0**

1

1 unit

B

**3SU1050-1HG20-0AA0**

1

1 unit

B

**3SU1050-1HH20-0AA0**

1

1 unit



3SU1050-1HQ20-0AA0

BKS S1  
BKS E7  
BKS E9  
O.M.R. 73037

B

**3SU1050-1HK20-0AA0**

1

1 unit

B

**3SU1050-1HM20-0AA0**

1

1 unit

B

**3SU1050-1HN20-0AA0**

1

1 unit

▶

**3SU1050-1HQ20-0AA0**

1

1 unit



3SU1050-1HR20-0AA0

CES SSG10  
CES SSP9  
CES VL5  
  
CES VL1  
IKON 360012K1

Black  
Red

▶

**3SU1050-1HR20-0AA0**

1

1 unit

B

**3SU1050-1HS20-0AA0**

1

1 unit

B

**3SU1050-1HU10-0AA0**

1

1 unit

B

**3SU1050-1HU20-0AA0**

1

1 unit

B

**3SU1050-1HV20-0AA0**

1

1 unit

B

**3SU1050-1HX20-0AA0**

1













1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Metal, Shiny  
Actuating and Signaling Elements

## Selector switches

### Selection and ordering data

Version of actuating element	Operating principle	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Selector switches</b>						
<b>2 switch positions (O+I), can be illuminated</b>						
 3SU1052-2BC20-0AA0	Selector, short black actuator Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	Red	B	3SU1052-2BC20-0AA0	1	1 unit
		Yellow	B	3SU1052-2BC30-0AA0	1	1 unit
		Green	B	3SU1052-2BC40-0AA0	1	1 unit
		Blue	B	3SU1052-2BC50-0AA0	1	1 unit
		White	B	3SU1052-2BC60-0AA0	1	1 unit
 3SU1052-2BF40-0AA0	Latching, 90° (10:30/1:30 o'clock) 	Amber	B	3SU1052-2BF00-0AA0	1	1 unit
		Red	B	3SU1052-2BF20-0AA0	1	1 unit
		Green	B	3SU1052-2BF40-0AA0	1	1 unit
		White	A	3SU1052-2BF60-0AA0	1	1 unit
 3SU1052-2CC60-0AA0	Selector, long black actuator Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	Yellow	B	3SU1052-2CC30-0AA0	1	1 unit
		Green	B	3SU1052-2CC40-0AA0	1	1 unit
		Blue	B	3SU1052-2CC50-0AA0	1	1 unit
		White	▶	3SU1052-2CC60-0AA0	1	1 unit
		 3SU1052-2CF60-0AA0	Latching, 90° (10:30/1:30 o'clock) 	Red	B	3SU1052-2CF20-0AA0
Yellow	B			3SU1052-2CF30-0AA0	1	1 unit
Green	B			3SU1052-2CF40-0AA0	1	1 unit
Blue	B			3SU1052-2CF50-0AA0	1	1 unit
White	▶			3SU1052-2CF60-0AA0	1	1 unit
<b>3 switch positions (I+O+II), can be illuminated</b>						
 3SU1052-2BM50-0AA0	Selector, short black actuator Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right 	Amber	B	3SU1052-2BM00-0AA0	1	1 unit
		Red	B	3SU1052-2BM20-0AA0	1	1 unit
		Yellow	B	3SU1052-2BM30-0AA0	1	1 unit
		Green	B	3SU1052-2BM40-0AA0	1	1 unit
		Blue	B	3SU1052-2BM50-0AA0	1	1 unit
		White	▶	3SU1052-2BM60-0AA0	1	1 unit
 3SU1052-2BL30-0AA0	Latching, 2x45° (10:30/12/1:30 o'clock) 	Red	B	3SU1052-2BL20-0AA0	1	1 unit
		Yellow	B	3SU1052-2BL30-0AA0	1	1 unit
		Green	B	3SU1052-2BL40-0AA0	1	1 unit
		White	▶	3SU1052-2BL60-0AA0	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, 22 mm, Metal, Shiny

### Actuating and Signaling Elements

#### Selector switches

Version of actuating element	Operating principle	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
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#### Selector switches

#### 3 switch positions (I+O+II), can be illuminated



3SU1052-2BN20-0AA0

Selector, short black actuator

Momentary contact/latching, 2x45° (10:30/12/1:30 o'clock), reset from left, latching to the right

White B

**3SU1052-2BP60-0AA0**

1 1 unit



Latching/momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from right, latching to the left

Red B  
Green B  
White B

**3SU1052-2BN20-0AA0**

**3SU1052-2BN40-0AA0**

**3SU1052-2BN60-0AA0**

1 1 unit

1 1 unit

1 1 unit



Selector, long black actuator

Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right

Red B  
Green B  
White ▶

**3SU1052-2CM20-0AA0**

**3SU1052-2CM40-0AA0**

**3SU1052-2CM60-0AA0**

1 1 unit

1 1 unit

1 1 unit



Latching, 2x45° (10:30/12/1:30 o'clock)

Red B  
Green B  
White ▶

**3SU1052-2CL20-0AA0**

**3SU1052-2CL40-0AA0**

**3SU1052-2CL60-0AA0**

1 1 unit

1 1 unit

1 1 unit



Momentary contact/latching, 2x45° (10/12/2 o'clock), reset from left, latching to the right

Red B  
White ▶

**3SU1052-2CP20-0AA0**

**3SU1052-2CP60-0AA0**

1 1 unit

1 1 unit



Latching/momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from right, latching to the left

Red B  
White ▶

**3SU1052-2CN20-0AA0**

**3SU1052-2CN60-0AA0**

1 1 unit

1 1 unit










3SU1052-2CL40-0AA0

# SIRIUS ACT Pushbuttons and Indicator Lights

Actuators and Indicators, 22 mm, Metal, Shiny  
Actuating and Signaling Elements

## Key-operated switches

### Selection and ordering data

Operating principle	Make of lock	Switch position for key removal	Number of keys	DT	Order No.	PU (UNIT, SET, M)	PS*	
<b>Key-operated switches</b>								
<b>2 switch positions (O+I)</b>								
 3SU1050-4BC01-0AA0	Momentary contact, 45° (10:30/12 o'clock), reset from center to left 	RONIS, SB30	O	2	▶	<b>3SU1050-4BC01-0AA0</b>	1 1 unit	
		RONIS, 455	O	2	B	<b>3SU1050-4CC01-0AA0</b>	1 1 unit	
		O.M.R. 73037, red	O	2	B	<b>3SU1050-4FC01-0AA0</b>	1 1 unit	
		O.M.R. 73038, light blue	O	2	B	<b>3SU1050-4GC01-0AA0</b>	1 1 unit	
		O.M.R. 73034, black	O	2	B	<b>3SU1050-4HC01-0AA0</b>	1 1 unit	
		O.M.R. 73033, yellow	O	2	B	<b>3SU1050-4JC01-0AA0</b>	1 1 unit	
		CES, SSG10	O	2	▶	<b>3SU1050-5BC01-0AA0</b>	1 1 unit	
		CES, LSG1	O	2	B	<b>3SU1050-5HC01-0AA0</b>	1 1 unit	
		CES, VL5	O	2	B	<b>3SU1050-5KC01-0AA0</b>	1 1 unit	
		CES, STGH10	O	2	B	<b>3SU1050-5LC01-0AA0</b>	1 1 unit	
	BKS, S1	O	2	B	<b>3SU1050-5PC01-0AA0</b>	1 1 unit		
	IKON, 360012K1	O	2	B	<b>3SU1050-5XC01-0AA0</b>	1 1 unit		
 3SU1050-4BF01-0AA0	Latching, 90° (10:30/1:30 o'clock) 	RONIS, SB30	O	2	B	<b>3SU1050-4BF01-0AA0</b>	1 1 unit	
			O+I	2	B	<b>3SU1050-4BF11-0AA0</b>	1 1 unit	
			I	2	B	<b>3SU1050-4BF21-0AA0</b>	1 1 unit	
		RONIS, 455	O	2	B	<b>3SU1050-4CF01-0AA0</b>	1 1 unit	
			O+I	2	B	<b>3SU1050-4CF11-0AA0</b>	1 1 unit	
			I	2	B	<b>3SU1050-4CF21-0AA0</b>	1 1 unit	
		RONIS, 421	O+I	2	B	<b>3SU1050-4DF11-0AA0</b>	1 1 unit	
		O.M.R. 73037, red	O	2	B	<b>3SU1050-4FF01-0AA0</b>	1 1 unit	
			O+I	2	B	<b>3SU1050-4FF11-0AA0</b>	1 1 unit	
			I	2	B	<b>3SU1050-4FF21-0AA0</b>	1 1 unit	
 3SU1050-4GF11-0AA0		O.M.R. 73038, light blue	O	2	B	<b>3SU1050-4GF01-0AA0</b>	1 1 unit	
			O+I	2	B	<b>3SU1050-4GF11-0AA0</b>	1 1 unit	
			I	2	B	<b>3SU1050-4GF21-0AA0</b>	1 1 unit	
		O.M.R. 73034, black	O	2	▶	<b>3SU1050-4HF01-0AA0</b>	1 1 unit	
			O+I	2	B	<b>3SU1050-4HF11-0AA0</b>	1 1 unit	
			I	2	B	<b>3SU1050-4HF21-0AA0</b>	1 1 unit	
		O.M.R. 73033, yellow	O	2	B	<b>3SU1050-4JF01-0AA0</b>	1 1 unit	
			O+I	2	B	<b>3SU1050-4JF11-0AA0</b>	1 1 unit	
			I	2	B	<b>3SU1050-4JF21-0AA0</b>	1 1 unit	
	 3SU1050-5BF01-0AA0		CES, SSG10	O	2	▶	<b>3SU1050-5BF01-0AA0</b>	1 1 unit
			O+I	2	▶	<b>3SU1050-5BF11-0AA0</b>	1 1 unit	
			I	2	▶	<b>3SU1050-5BF21-0AA0</b>	1 1 unit	
		CES, LSG1	O	2	B	<b>3SU1050-5HF01-0AA0</b>	1 1 unit	
			O+I	2	B	<b>3SU1050-5HF11-0AA0</b>	1 1 unit	
		CES, VL5	O	2	B	<b>3SU1050-5KF01-0AA0</b>	1 1 unit	
		CES, STGH10	O+I	2	▶	<b>3SU1050-5LF11-0AA0</b>	1 1 unit	
 3SU1050-5PF01-0AA0			BKS, S1	O	2	B	<b>3SU1050-5PF01-0AA0</b>	1 1 unit
				O+I	2	B	<b>3SU1050-5PF11-0AA0</b>	1 1 unit
				I	2	B	<b>3SU1050-5PF21-0AA0</b>	1 1 unit
		BKS, E1	O	1	B	<b>3SU1050-5QF01-0AA0</b>	1 1 unit	
			O+I	1	B	<b>3SU1050-5QF11-0AA0</b>	1 1 unit	
		BKS, E2	O	1	B	<b>3SU1050-5RF01-0AA0</b>	1 1 unit	
			O+I	1	B	<b>3SU1050-5RF11-0AA0</b>	1 1 unit	
		BKS, E7	O	1	B	<b>3SU1050-5SF01-0AA0</b>	1 1 unit	
			O+I	1	B	<b>3SU1050-5SF11-0AA0</b>	1 1 unit	
		BKS, E9	O	1	B	<b>3SU1050-5TF01-0AA0</b>	1 1 unit	
		O+I	1	B	<b>3SU1050-5TF11-0AA0</b>	1 1 unit		
	IKON, 360012K1	O	2	B	<b>3SU1050-5XF01-0AA0</b>	1 1 unit		
		O+I	2	B	<b>3SU1050-5XF11-0AA0</b>	1 1 unit		

**Selection and ordering data**

Operating principle	Make of lock	Switch position for key removal	Number of keys	DT	Order No.	PU (UNIT, SET, M)	PS*
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**Key-operated switches**

**3 switch positions (I+O+II)**



3SU1050-4BM01-0AA0

Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right



Latching, 2x45° (10:30/12/1:30 o'clock)



3SU1050-4FL11-0AA0



3SU1050-5BL01-0AA0



3SU1050-5PL01-0AA0




	RONIS, SB30	O	2	B	<b>3SU1050-4BM01-0AA0</b>	1	1 unit
	RONIS, 455	O	2	B	<b>3SU1050-4CM01-0AA0</b>	1	1 unit
	O.M.R. 73034, black	O	2	B	<b>3SU1050-4HM01-0AA0</b>	1	1 unit
	CES, SSG10	O	2	B	<b>3SU1050-5BM01-0AA0</b>	1	1 unit
	CES, STGH10	O	2	B	<b>3SU1050-5LM01-0AA0</b>	1	1 unit
	BKS, S1	O	2	B	<b>3SU1050-5PM01-0AA0</b>	1	1 unit
	IKON, 360012K1	O	2	B	<b>3SU1050-5XM01-0AA0</b>	1	1 unit
	RONIS, SB30	O	2	B	<b>3SU1050-4BL01-0AA0</b>	1	1 unit
		I+O+II	2	▶	<b>3SU1050-4BL11-0AA0</b>	1	1 unit
		I	2	B	<b>3SU1050-4BL21-0AA0</b>	1	1 unit
		II (right)	2	B	<b>3SU1050-4BL31-0AA0</b>	1	1 unit
		I+II (left, right)	2	B	<b>3SU1050-4BL41-0AA0</b>	1	1 unit
		O+I (center, left)	2	B	<b>3SU1050-4BL51-0AA0</b>	1	1 unit
	RONIS, 455	O	2	B	<b>3SU1050-4CL01-0AA0</b>	1	1 unit
		I+O+II	2	B	<b>3SU1050-4CL11-0AA0</b>	1	1 unit
	RONIS, 421		2	B	<b>3SU1050-4DL11-0AA0</b>	1	1 unit
	O.M.R. 73037, red	I+O+II	2	B	<b>3SU1050-4FL11-0AA0</b>	1	1 unit
	O.M.R. 73038, light blue	O	2	B	<b>3SU1050-4GL01-0AA0</b>	1	1 unit
		I+O+II	2	B	<b>3SU1050-4GL11-0AA0</b>	1	1 unit
	O.M.R. 73034, black	O	2	B	<b>3SU1050-4HL01-0AA0</b>	1	1 unit
		I+O+II	2	B	<b>3SU1050-4HL11-0AA0</b>	1	1 unit
	CES, SSG10	O	2	▶	<b>3SU1050-5BL01-0AA0</b>	1	1 unit
		I+O+II	2	▶	<b>3SU1050-5BL11-0AA0</b>	1	1 unit
		I	2	▶	<b>3SU1050-5BL21-0AA0</b>	1	1 unit
		II (right)	2	▶	<b>3SU1050-5BL31-0AA0</b>	1	1 unit
		I+II (left, right)	2	▶	<b>3SU1050-5BL41-0AA0</b>	1	1 unit
	BKS, S1	O	2	B	<b>3SU1050-5PL01-0AA0</b>	1	1 unit
		I+O+II	2	B	<b>3SU1050-5PL11-0AA0</b>	1	1 unit
		I	2	B	<b>3SU1050-5PL21-0AA0</b>	1	1 unit
		I+II (left, right)	2	B	<b>3SU1050-5PL41-0AA0</b>	1	1 unit
	IKON, 360012K1	O	2	B	<b>3SU1050-5XL01-0AA0</b>	1	1 unit
		I+O+II	2	B	<b>3SU1050-5XL11-0AA0</b>	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights


Actuators and Indicators, 22 mm, Metal, Shiny  
Actuating and Signaling Elements

## Key-operated switches / Indicator lights

### Selection and ordering data

Operating principle	Make of lock	Switch position for key removal	Number of keys	DT	Order No.	PU (UNIT, SET, M)	PS*	
<b>Key-operated switches</b>								
 <p>3SU1050-4BP01-0AA0</p>	<b>3 switch positions (I+O+II)</b>							
	Momentary contact/latching, 2x45° (10:30/12/1:30 o'clock), reset from left, latching to the right	RONIS, SB30	O	2	B	<b>3SU1050-4BP01-0AA0</b>	1	1 unit
			O+II (center, right)	2	B	<b>3SU1050-4BP61-0AA0</b>	1	1 unit
		O.M.R. 73034, black	II (right)	2	B	<b>3SU1050-4HP31-0AA0</b>	1	1 unit
		O.M.R. 73033, yellow	II (right)	2	B	<b>3SU1050-4JP31-0AA0</b>	1	1 unit
		CES, SSG10	O	2	B	<b>3SU1050-5BP01-0AA0</b>	1	1 unit
			II (right)	2	B	<b>3SU1050-5BP31-0AA0</b>	1	1 unit
			O+II (center, right)	2	▶	<b>3SU1050-5BP61-0AA0</b>	1	1 unit
		BKS, S1	O	2	B	<b>3SU1050-5PP01-0AA0</b>	1	1 unit
	Latching/momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from right, latching to the left 	RONIS, SB30	O	2	B	<b>3SU1050-4BN01-0AA0</b>	1	1 unit
			I	2	B	<b>3SU1050-4BN21-0AA0</b>	1	1 unit
			O+I (center, left)	2	B	<b>3SU1050-4BN51-0AA0</b>	1	1 unit
		CES, SSG10	O	2	B	<b>3SU1050-5BN01-0AA0</b>	1	1 unit
			I	2	B	<b>3SU1050-5BN21-0AA0</b>	1	1 unit
		O+I (center, left)	2	▶	<b>3SU1050-5BN51-0AA0</b>	1	1 unit	
CES, STGH10				2	▶	<b>3SU1050-5LN51-0AA0</b>	1	1 unit
BKS, S1		O	2	B	<b>3SU1050-5PN01-0AA0</b>	1	1 unit	
		I	2	B	<b>3SU1050-5PN21-0AA0</b>	1	1 unit	
		O+I (center, left)	2	B	<b>3SU1050-5PN51-0AA0</b>	1	1 unit	

### Selection and ordering data

Version of actuating element	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Indicator lights</b>					
 <p>3SU1051-6AA40-0AA0</p>	<b>Indicator lights with smooth lens</b>				
	Amber	B	<b>3SU1051-6AA00-0AA0</b>	1	1 unit
	Red	A	<b>3SU1051-6AA20-0AA0</b>	1	1 unit
	Yellow	A	<b>3SU1051-6AA30-0AA0</b>	1	1 unit
	Green	▶	<b>3SU1051-6AA40-0AA0</b>	1	1 unit
	Blue	B	<b>3SU1051-6AA50-0AA0</b>	1	1 unit
	White	A	<b>3SU1051-6AA60-0AA0</b>	1	1 unit
Clear	B	<b>3SU1051-6AA70-0AA0</b>	1	1 unit	



**SIRIUS ACT Pushbuttons and Indicator Lights**  
Actuators and Indicators, Flat, 30 mm, Round, Metal, Matte  
Actuating and Signaling Elements

**Pushbuttons**

**Selection and ordering data**

Version	Operating principle	Unlatching method	Color	DT	Order No.	PU (UNIT, SET, M)	PS*	
<b>Pushbuttons</b>								
	<b>Pushbuttons with flat button</b>	Momentary contact	Black	B	<b>3SU1060-0JB10-0AA0</b>	1	1 unit	
			Red	B	<b>3SU1060-0JB20-0AA0</b>	1	1 unit	
			Yellow	B	<b>3SU1060-0JB30-0AA0</b>	1	1 unit	
			Green	B	<b>3SU1060-0JB40-0AA0</b>	1	1 unit	
			Blue	B	<b>3SU1060-0JB50-0AA0</b>	1	1 unit	
			White	B	<b>3SU1060-0JB60-0AA0</b>	1	1 unit	
3SU1060-0JB50-0AA0								
		Latching	Push to unlatch	Black	B	<b>3SU1060-0JA10-0AA0</b>	1	1 unit
				Red	B	<b>3SU1060-0JA20-0AA0</b>	1	1 unit
				Yellow	B	<b>3SU1060-0JA30-0AA0</b>	1	1 unit
				Green	B	<b>3SU1060-0JA40-0AA0</b>	1	1 unit
				Blue	B	<b>3SU1060-0JA50-0AA0</b>	1	1 unit
				White	B	<b>3SU1060-0JA60-0AA0</b>	1	1 unit
3SU1060-0JA20-0AA0								
	<b>Illuminated pushbuttons with flat button</b>	Momentary contact	Red	B	<b>3SU1061-0JB20-0AA0</b>	1	1 unit	
			Yellow	B	<b>3SU1061-0JB30-0AA0</b>	1	1 unit	
			Green	B	<b>3SU1061-0JB40-0AA0</b>	1	1 unit	
			Blue	B	<b>3SU1061-0JB50-0AA0</b>	1	1 unit	
			Clear	B	<b>3SU1061-0JB70-0AA0</b>	1	1 unit	
3SU1061-0JB40-0AA0								
		Latching	Push to unlatch	Red	B	<b>3SU1061-0JA20-0AA0</b>	1	1 unit
				Yellow	B	<b>3SU1061-0JA30-0AA0</b>	1	1 unit
				Green	B	<b>3SU1061-0JA40-0AA0</b>	1	1 unit
				Blue	B	<b>3SU1061-0JA50-0AA0</b>	1	1 unit
				Clear	B	<b>3SU1061-0JA70-0AA0</b>	1	1 unit
3SU1061-0JA30-0AA0								













# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, Flat, 30 mm, Round, Metal, Matte

### Actuating and Signaling Elements

#### Selector switches

#### Selection and ordering data

Version	Operating principle	Color	DT	Order No.	PU (UNIT, SET, M)	PS*	
<b>Selector switches</b>							
<b>2 switch positions (O+I), can be illuminated</b>							
 3SU1062-2DC40-0AA0	Selector, short black actuator and front ring for flat mounting	Momentary contact, 45° (10:30/12 o'clock), reset from center to left	Red Green White	B B B	<b>3SU1062-2DC20-0AA0</b> <b>3SU1062-2DC40-0AA0</b> <b>3SU1062-2DC60-0AA0</b>	1 1 1 1 unit 1 unit 1 unit	
			Latching, 90° (10:30/1:30 o'clock)	Red Green White	B B B	<b>3SU1062-2DF20-0AA0</b> <b>3SU1062-2DF40-0AA0</b> <b>3SU1062-2DF60-0AA0</b>	1 1 1 1 unit 1 unit 1 unit
							
 3SU1062-2EC20-0AA0	Selector, long black actuator and front ring for flat mounting	Momentary contact, 45° (10:30/12 o'clock), reset from center to left	Red Green White	B B B	<b>3SU1062-2EC20-0AA0</b> <b>3SU1062-2EC40-0AA0</b> <b>3SU1062-2EC60-0AA0</b>	1 1 1 1 unit 1 unit 1 unit	
			Latching, 90° (10:30/1:30 o'clock)	Red Green White	B B B	<b>3SU1062-2EF20-0AA0</b> <b>3SU1062-2EF40-0AA0</b> <b>3SU1062-2EF60-0AA0</b>	1 1 1 1 unit 1 unit 1 unit
							
<b>3 switch positions (I+O+II), can be illuminated</b>							
 3SU1062-2DL60-0AA0	Selector, short black actuator and front ring for flat mounting	Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right	Red Green White	B B B	<b>3SU1062-2DM20-0AA0</b> <b>3SU1062-2DM40-0AA0</b> <b>3SU1062-2DM60-0AA0</b>	1 1 1 1 unit 1 unit 1 unit	
			Latching, 2x45° (10:30/12/1:30 o'clock)	Red Green White	B B B	<b>3SU1062-2DL20-0AA0</b> <b>3SU1062-2DL40-0AA0</b> <b>3SU1062-2DL60-0AA0</b>	1 1 1 1 unit 1 unit 1 unit
							
 3SU1062-2EL20-0AA0	Selector, long black actuator and front ring for flat mounting	Momentary contact, 2x45° (10:30/12/1:30 o'clock), reset from left + right	Red Green White	B B B	<b>3SU1062-2EM20-0AA0</b> <b>3SU1062-2EM40-0AA0</b> <b>3SU1062-2EM60-0AA0</b>	1 1 1 1 unit 1 unit 1 unit	
			Latching, 2x45° (10:30/12/1:30 o'clock)	Red Green White	B B B	<b>3SU1062-2EL20-0AA0</b> <b>3SU1062-2EL40-0AA0</b> <b>3SU1062-2EL60-0AA0</b>	1 1 1 1 unit 1 unit 1 unit
							

**SIRIUS ACT Pushbuttons and Indicator Lights**  
Actuators and Indicators, Flat, 30 mm, Round, Metal, Matte  
Actuating and Signaling Elements

**Key-operated switches / Indicator lights**

**Selection and ordering data**

Make of lock	Operating principle	Switch position for key removal	DT	Order No.	PU (UNIT, SET, M)	PS*
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**Key-operated switches with 2 keys**

**2 switch positions (O+I)**



3SU1060-4LF11-0AA0

RONIS, SB30 and front ring for flat mounting

Momentary contact, 45° (10:30/12 o'clock), reset from center to left



Latching, 90° (10:30/1:30 o'clock)



O B **3SU1060-4LC01-0AA0** 1 1 unit

O+I B **3SU1060-4LF11-0AA0** 1 1 unit  
I B **3SU1060-4LF21-0AA0** 1 1 unit

**3 switch positions (I+O+II)**



3SU1060-4LL11-0AA0

RONIS, SB30 and front ring for flat mounting

Latching, 2x45° (10:30/12/1:30 o'clock)



O+I B **3SU1060-4LL11-0AA0** 1 1 unit

**Selection and ordering data**

Version	Operating principle	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
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**Indicator lights**



3SU1061-0JD40-0AA0

**Illuminated pushbuttons** with flat button

Fixed button

Red B  
Yellow B  
Green B  
Blue B  
Clear B

B **3SU1061-0JD20-0AA0** 1 1 unit  
B **3SU1061-0JD30-0AA0** 1 1 unit  
B **3SU1061-0JD40-0AA0** 1 1 unit  
B **3SU1061-0JD50-0AA0** 1 1 unit  
B **3SU1061-0JD70-0AA0** 1 1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

## Actuators and Indicators, Customized Designs

### Special locks

#### Options

##### Special locks for key-operated switches

The plastic and metal key-operated switches of type RONIS, BKS, CES and IKON can be optionally ordered with additional locks.

In this case **"-Z"**, the order code **"Y01"** and the required lock number must be added to the Order No. of the relevant key-operated switch for standard locking.

Order code	Y01
Normal delivery time	25 working days
Additional price per unit	On request
Ordering example	3SU1000-5BF01-0AA0-Z Y01 Z = SSG18

##### Ordering notes

- For all special locks, an additional price applies.
- The order code **"Y01"** must be quoted in accordance with the above tables. Automated processing of the order with a defined delivery time can be guaranteed only for correctly submitted orders.
- For applications in which access security is important and several lock numbers are used, we recommend the use of BKS or CES key-operated switches.
- Special locks for VW (E1, E2, ...) will be delivered without keys, all others with 2 keys.
- With RONIS, the special locks SB31, 421 and 455 are possible.

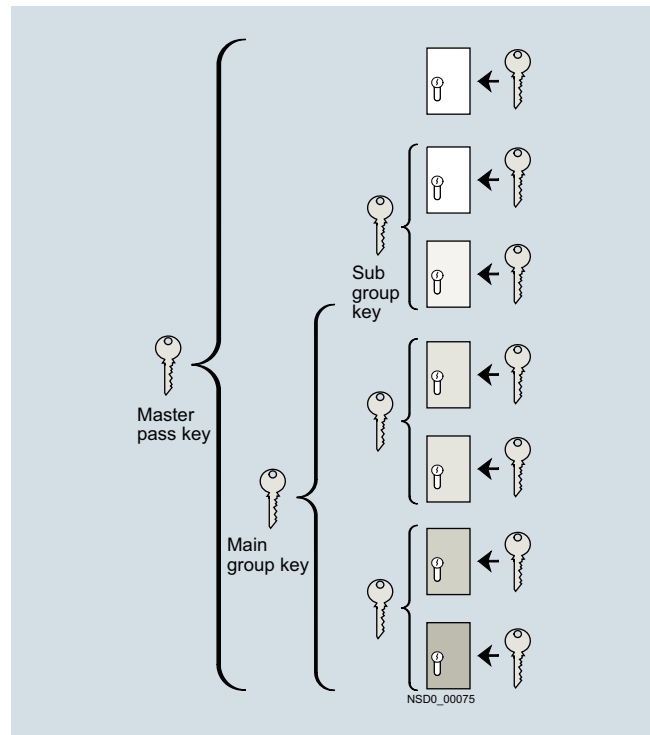
##### Master and master-pass key systems

The following key systems can be supplied with BKS, CES or IKON key-operated switches:

- Central lock systems
- Master key systems
- Central master key systems
- Master-pass key systems

When placing an order you must supplement the Order No. of the matching key-operated switches with **"-Z"** and quote the order code **"Y03"**.

Price and delivery time on request.



Example of master-pass key system

**Options**

**Inscription of actuating and signaling elements**

Actuating and signaling elements of plastic as well as metal version can be optionally inscribed with a laser.



Example of laser inscription

The actuators of the pushbuttons, illuminated pushbuttons, twin pushbuttons, mushroom pushbuttons, illuminated mushroom pushbuttons, EMERGENCY STOP buttons, the lenses of the indicator lights, and the acoustic signaling devices can all be inscribed.

Selector switches, key-operated switches, toggle switches, coordinate switches, potentiometers and selectors can be inscribed only if they are made of plastic (only one text line on the front ring).

Version

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

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

The maximum possible number of characters per line is:

- 10 characters for one line of text
- 8 characters for 2 lines of text
- 6 characters for 3 lines of text, but 10 characters in the middle line.

Note:

Selected pushbuttons and twin pushbuttons can be supplied as standard with inscribed letters or symbols.

**Ordering notes**

To order, the inscribed actuating and signaling elements can be selected via the SIRIUS ACT Configurator. An electronic order form is then generated.

Configurator [see](#)

- [www.siemens.com/sirius-act/configurator](http://www.siemens.com/sirius-act/configurator)
- Electronic Catalog CA 01 on DVD or
- Industry Mall: [www.usa.siemens.com/industrymall](http://www.usa.siemens.com/industrymall)

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

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

When ordering, specify the required inscription in plain text in addition to the Order No. and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language. In the case of symbols with number, quote the corresponding standard ([see ordering example 1](#)).

In the case of multi-line inscriptions, the text must be assigned to the respective line, e.g. "Z1 = Lift, Z2 =Lower". For long words you can also specify the end-of-line division.

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

The SIRIUS ACT Configurator must be used to select special inscriptions and symbols (order code Y19). In this case a "CIN" (Configuration Identification Number) is generated for placement of future orders. It is then possible to place an order directly using the CIN and the SIRIUS ACT Configurator (Mall shopping cart) or via the standard order channels.

Ordering example 1

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

3SU1030-0AD20-0AZ0  
Y10  
Z = Reset (English)

Ordering example 2

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

3SU1030-0AD20-0AZ0  
Y13  
Z = 5389 IEC

Ordering example 3

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

3SU1030-0AD20-0AZ0  
Y13  
Z = 1118 ISO

# SIRIUS ACT Pushbuttons and Indicator Lights Holders



## Holders without module

### Overview

Holders made of plastic can only be attached to actuators and indicators made of plastic (3SU100) or plastic with metal front ring (3SU103).

Metal holders can be attached to all versions of actuators and indicators. Metal holders are automatically grounded by their fastening screw, but a grounding stud can also be fitted.

### Selection and ordering data

	Holder material	Version	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Holders without module</b>						
	Plastic	3x without module	A	<b>3SU1500-0AA10-0AA0</b>	1	1 unit
3SU1500-0AA10-0AA0						
	Metal	3x without module	A	<b>3SU1550-0AA10-0AA0</b>	1	1 unit
3SU1550-0AA10-0AA0						

Selection and ordering data

Number of contact modules	Number of NO contacts	Number of NC contacts	Color	DT	Screw terminals	PU (UNIT, SET, M)	PS*
					Order No.		

Holders with module

Plastic version

With contact module



3SU1500-1AA10-1LA0

1	1	0	--	B	3SU1500-1AA10-1BA0	1	1 unit
	0	1	--	B	3SU1500-1AA10-1CA0	1	1 unit
2	1	1	--	B	3SU1500-1AA10-1NA0	1	1 unit

With contact and LED module<sup>1)</sup> (6 ... 24 V AC/DC)



3SU1501-1AG20-1CA0

1	1	0	Amber	B	3SU1501-1AG00-1BA0	1	1 unit
			Red	B	3SU1501-1AG20-1BA0	1	1 unit
			Yellow	B	3SU1501-1AG30-1BA0	1	1 unit
			Green	B	3SU1501-1AG40-1BA0	1	1 unit
			Blue	B	3SU1501-1AG50-1BA0	1	1 unit
			White	B	3SU1501-1AG60-1BA0	1	1 unit
	0	1	Amber	B	3SU1501-1AG00-1CA0	1	1 unit
			Red	B	3SU1501-1AG20-1CA0	1	1 unit
			Yellow	B	3SU1501-1AG30-1CA0	1	1 unit
			Green	B	3SU1501-1AG40-1CA0	1	1 unit
			Blue	B	3SU1501-1AG50-1CA0	1	1 unit
			White	B	3SU1501-1AG60-1CA0	1	1 unit



3SU1501-1AG20-1NA0

2	1	1	Amber	B	3SU1501-1AG00-1NA0	1	1 unit
			Red	B	3SU1501-1AG20-1NA0	1	1 unit
			Yellow	B	3SU1501-1AG30-1NA0	1	1 unit
			Green	B	3SU1501-1AG40-1NA0	1	1 unit
			Blue	B	3SU1501-1AG50-1NA0	1	1 unit
			White	B	3SU1501-1AG60-1NA0	1	1 unit

<sup>1)</sup> Only for use with SIRIUS commanding and signaling devices.

Number of contact modules	Number of NO contacts	Number of NC contacts	DT	Screw terminals	PU (UNIT, SET, M)	PS*
					Order No.	

Holders with module

Metal version

With contact module



3SU1550-1AA10-1BA0




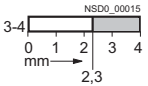

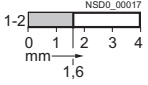


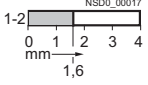
1	1	0		B	3SU1550-1AA10-1BA0	1	1 unit
	0	1		B	3SU1550-1AA10-1CA0	1	1 unit
2	1	1		B	3SU1550-1AA10-1NA0	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

## Modules for Actuators and Indicators

### Contact modules

#### Selection and ordering data

Contact version	Number of NO contacts	Number of NC contacts	Product function positive opening	DT	Screw terminals 	PU (UNIT, SET, M)	PS*		
Order No.									
Contact modules for front plate mounting									
	Silver alloy	1	0	No	  .3  .4		▶ <b>3SU1400-1AA10-1BA0</b>	1	1 unit
		0	1	Yes	  .1  .2		▶ <b>3SU1400-1AA10-1CA0</b>	1	1 unit
		0	1 with installation monitoring <sup>1)</sup>	Yes	  .1  .2		▶ <b>3SU1400-1AA10-1HA0</b>	1	1 unit

1) The NC contact opens automatically upon disconnection of the actuator. On delivery, the contact is open (= safe state). Activation (= NC contacts on the non-actuated commanding device are closed) takes place upon first-time actuation after the contact block is snapped onto the actuator. Unsuitable for mounting in 3SU18 enclosure.



Contact version	Number of NO contacts	Number of NC contacts	Product function positive opening	DT	Spring-type terminals 	PU (UNIT, SET, M)	PS*
					Order No.		


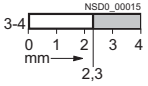

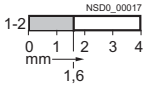

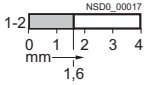
Contact modules for front plate mounting



3SU1400-1AA10-3BA0



3SU1400-1AA10-3HA0

Silver alloy	1	0	No			<b>3SU1400-1AA10-3BA0</b>	1	1 unit
	0	1	Yes			<b>3SU1400-1AA10-3CA0</b>	1	1 unit
	0	1 with installation monitoring <sup>1)</sup>	Yes			<b>3SU1400-1AA10-3HA0</b>	1	1 unit



<sup>1)</sup> The NC contact opens automatically upon disconnection of the actuator. On delivery, the contact is open (= safe state). Activation (= NC contacts on the non-actuated commanding device are closed) takes place upon first-time actuation after the contact block is snapped onto the actuator. Unsuitable for mounting in 3SU18 enclosure.

# SIRIUS ACT Pushbuttons and Indicator Lights

## Modules for Actuators and Indicators

### LED modules

#### Selection and ordering data





Operational voltage at AC	Operational voltage at DC	Color	DT	Screw terminals 	PU (UNIT, SET, M)	PS*	
V	V			Order No.			
<b>LED modules<sup>1)</sup> for front plate mounting</b>							
	24	24	Amber	A	<b>3SU1401-1BB00-1AA0</b>	1	1 unit
			Red	▶	<b>3SU1401-1BB20-1AA0</b>	1	1 unit
			Yellow	▶	<b>3SU1401-1BB30-1AA0</b>	1	1 unit
			Green	▶	<b>3SU1401-1BB40-1AA0</b>	1	1 unit
			Blue	▶	<b>3SU1401-1BB50-1AA0</b>	1	1 unit
			White	▶	<b>3SU1401-1BB60-1AA0</b>	1	1 unit
			3SU1401-1BB30-1AA0	110	--	Amber	B
Red	▶	<b>3SU1401-1BC20-1AA0</b>				1	1 unit
Yellow	▶	<b>3SU1401-1BC30-1AA0</b>				1	1 unit
Green	▶	<b>3SU1401-1BC40-1AA0</b>				1	1 unit
Blue	▶	<b>3SU1401-1BC50-1AA0</b>				1	1 unit
White	▶	<b>3SU1401-1BC60-1AA0</b>				1	1 unit
230	--	Amber				Red	▶
			<b>3SU1401-1BF20-1AA0</b>	1	1 unit		
			<b>3SU1401-1BF30-1AA0</b>	1	1 unit		
			<b>3SU1401-1BF40-1AA0</b>	1	1 unit		
			<b>3SU1401-1BF50-1AA0</b>	1	1 unit		
			<b>3SU1401-1BF60-1AA0</b>	1	1 unit		
			3SU1401-1BB30-3AA0	24	24		
Red	▶	<b>3SU1401-1BB20-3AA0</b>				1	1 unit
Yellow	▶	<b>3SU1401-1BB30-3AA0</b>				1	1 unit
Green	▶	<b>3SU1401-1BB40-3AA0</b>				1	1 unit
Blue	▶	<b>3SU1401-1BB50-3AA0</b>				1	1 unit
White	▶	<b>3SU1401-1BB60-3AA0</b>				1	1 unit
3SU1401-1BB30-3AA0	110	--				Amber	B
			Red	▶	<b>3SU1401-1BC20-3AA0</b>	1	1 unit
			Yellow	B	<b>3SU1401-1BC30-3AA0</b>	1	1 unit
			Green	▶	<b>3SU1401-1BC40-3AA0</b>	1	1 unit
			Blue	B	<b>3SU1401-1BC50-3AA0</b>	1	1 unit
			White	▶	<b>3SU1401-1BC60-3AA0</b>	1	1 unit
			230	--	Amber	Red	▶
<b>3SU1401-1BF20-3AA0</b>	1	1 unit					
<b>3SU1401-1BF30-3AA0</b>	1	1 unit					
<b>3SU1401-1BF40-3AA0</b>	1	1 unit					
<b>3SU1401-1BF50-3AA0</b>	1	1 unit					
<b>3SU1401-1BF60-3AA0</b>	1	1 unit					

<sup>1)</sup> Only for use with SIRIUS commanding and signaling devices.

# SIRIUS ACT Pushbuttons and Indicator Lights

## Modules for Actuators and Indicators

### LED modules

	Operational voltage at AC	Operational voltage at DC	Color	DT	Screw terminals 	PU (UNIT, SET, M)	PS*			
	V	V			Order No.					
<b>LED modules<sup>1)</sup> for front plate mounting</b>										
 3SU1401-1BG30-1AA0	6 ... 24	6 ... 24	Amber	A	<b>3SU1401-1BG00-1AA0</b>	1	1 unit			
			Red	▶				<b>3SU1401-1BG20-1AA0</b>	1	1 unit
			Yellow	▶				<b>3SU1401-1BG30-1AA0</b>	1	1 unit
			Green	▶				<b>3SU1401-1BG40-1AA0</b>	1	1 unit
			Blue	▶				<b>3SU1401-1BG50-1AA0</b>	1	1 unit
			White	▶				<b>3SU1401-1BG60-1AA0</b>	1	1 unit
			24 ... 230	24 ... 230				Amber	B	<b>3SU1401-1BH00-1AA0</b>
Red	▶	<b>3SU1401-1BH20-1AA0</b>			1	1 unit				
Yellow	▶	<b>3SU1401-1BH30-1AA0</b>			1	1 unit				
Green	▶	<b>3SU1401-1BH40-1AA0</b>			1	1 unit				
Blue	▶	<b>3SU1401-1BH50-1AA0</b>			1	1 unit				
White	▶	<b>3SU1401-1BH60-1AA0</b>			1	1 unit				
<b>Spring-type terminals </b>										
 3SU1401-1BG30-3AA0	6 ... 24	6 ... 24	Amber	B	<b>3SU1401-1BG00-3AA0</b>	1	1 unit			
			Red	▶				<b>3SU1401-1BG20-3AA0</b>	1	1 unit
			Yellow	▶				<b>3SU1401-1BG30-3AA0</b>	1	1 unit
			Green	▶				<b>3SU1401-1BG40-3AA0</b>	1	1 unit
			Blue	B				<b>3SU1401-1BG50-3AA0</b>	1	1 unit
			White	▶				<b>3SU1401-1BG60-3AA0</b>	1	1 unit
			24 ... 230	24 ... 230				Amber	B	<b>3SU1401-1BH00-3AA0</b>
Red	B	<b>3SU1401-1BH20-3AA0</b>			1	1 unit				
Yellow	B	<b>3SU1401-1BH30-3AA0</b>			1	1 unit				
Green	▶	<b>3SU1401-1BH40-3AA0</b>			1	1 unit				
Blue	B	<b>3SU1401-1BH50-3AA0</b>			1	1 unit				
White	B	<b>3SU1401-1BH60-3AA0</b>			1	1 unit				
<b>Socket terminals (THT) </b>										
<b>LED modules<sup>1)</sup> for mounting on printed-circuit boards</b>										
 3SU1401-3BA20-5AA0	--	24	Amber	B	<b>3SU1401-3BA00-5AA0</b>	1	1 unit			
			Red	▶				<b>3SU1401-3BA20-5AA0</b>	1	1 unit
			Yellow	▶				<b>3SU1401-3BA30-5AA0</b>	1	1 unit
			Green	▶				<b>3SU1401-3BA40-5AA0</b>	1	1 unit
			Blue	▶				<b>3SU1401-3BA50-5AA0</b>	1	1 unit
			White	▶				<b>3SU1401-3BA60-5AA0</b>	1	1 unit

<sup>1)</sup> Only for use with SIRIUS commanding and signaling devices.

# SIRIUS ACT Pushbuttons and Indicator Lights

## Modules for Actuators and Indicators

### AS-Interface modules


#### Selection and ordering data

Slave type	Number of digital inputs		Number of digital outputs	DT	Screw terminals + Spring-type terminals	PU (UNIT, SET, M)	PS*
	Standard	Safety-related					
					Order No.		




#### AS-Interface modules for front plate mounting

	2 F-DI	--	2	--	B	<b>3SU1400-1EA10-2AA0</b>	1	1 unit
3SU1400-1EA10-2AA0								
	2 F-DI + 1 LED	--	2	--	B	<b>3SU1401-1EE20-2AA0</b>	1	1 unit
3SU1401-1EE20-2AA0								
	2 F-DI + 1 DO	--	2	1	B	<b>3SU1400-1EC10-2AA0</b>	1	1 unit
3SU1400-1EC10-2AA0								
	2 F-DI	--	2	--	B	<b>3SU1400-1EA10-4AA0</b>	1	1 unit
3SU1400-1EA10-4AA0								
	2 F-DI + 1 LED	--	2	--	B	<b>3SU1401-1EE20-4AA0</b>	1	1 unit
3SU1401-1EE20-4AA0								
	2 F-DI + 1 DO	--	2	1	B	<b>3SU1400-1EC10-4AA0</b>	1	1 unit
3SU1400-1EC10-4AA0								

### Technical specifications

Order No.		3SU1400-1GC10-1AA0	3SU1400-1GD10-1AA0
<b>Communication</b>			
<b>Protocol is supported by IO-Link protocol</b>		No	Yes
<b>Product function</b>		Group ID 24 V DC	IO-Link 24 V DC
<b>IO-Link transfer rate</b>		--	COM2 (38.4 kBaud)
<b>Point-to-point cycle time between the master and the IO-Link device minimum</b>	ms	--	10
<b>Type of voltage supply via IO-Link master</b>		--	3
<b>Data volume</b>			
• of the address area of the inputs with cyclic transfer total	bytes	--	2
• of the address area of the outputs with cyclic transfer total	bytes	--	0
<b>Number of NO contacts</b>		5	5
<b>General data</b>			
<b>Impulse withstand voltage rated value</b>	V	800	
<b>Insulation voltage rated value</b>	V	30	
<b>Pollution degree</b>		3	
<b>Type of voltage</b>			
• of operational voltage		DC	
• of input voltage		DC	
<b>Operational voltage</b>			
• 1 at DC rated value	V	24	
• Rated value	V	18 ... 30	
<b>Current consumed maximum</b>	mA	49	
<b>Ambient temperature</b>			
• During operation	°C	-25 ... +70	
• During storage	°C	-40 ... +80	
<b>IP degree of protection</b>		IP20	
<b>Touch protection against electric shock</b>		Finger-safe	
<b>Connections</b>			
<b>Type of electrical connection</b>		<b>Screw terminals</b> 	
<b>Connectable conductor cross-section for auxiliary contacts</b>			
• Solid or stranded	mm <sup>2</sup>	0.2 ... 2.5	
• Solid			
- With end sleeves	mm <sup>2</sup>	0.2 ... 0.75	
• Finely stranded			
- With end sleeves	mm <sup>2</sup>	0.25 ... 1.5	
- Without end sleeves	mm <sup>2</sup>	0.2 ... 2.5	
<b>AWG number as coded connectable conductor cross-section</b>			
• For auxiliary contacts		26 ... 14	
<b>Tightening torque</b>			
• For screw terminals	Nm	0.4 ... 0.8	

### Selection and ordering data

Type of voltage supply via IO-Link master	Protocol is supported IO-Link protocol	Number of NO contacts	IO-Link transfer rate	DT	<b>Screw terminals</b> 	Order No.	PU (UNIT, SET, M)	PS*
<b>Electronic modules for ID key-operated switches</b>								
	--	No	5	--	B	<b>3SU1400-1GC10-1AA0</b>	1	1 unit
	Yes	Yes	5	COM2 (38.4 kBaud)	X	<b>3SU1400-1GD10-1AA0</b>	1	1 unit

3SU1400-1GD10-1AA0

✓ Yes -- No

# SIRIUS ACT Pushbuttons and Indicator Lights Enclosures

## General data

### Overview

#### Design



Enclosures with standard fittings

Enclosed SIRIUS ACT pushbuttons and indicator lights are used as hand-operated commanding devices for separately allocated control units and cabinets. The devices are suitable for use in any climate.

#### Standards

IEC 60947-5-1 or EN 60947-5-1

#### Versions

The enclosed pushbuttons and indicator lights are available with conventional controls as well as for connection to AS-Interface. The following versions are available:

- Empty enclosures with 1 to 6 command points (the installed components must be ordered separately; use modules for base mounting)
- Enclosures with standard fittings with 1 to 3 command points, e.g. EMERGENCY STOP enclosure with EMERGENCY STOP mushroom pushbutton
- Enclosures with customized fittings with 1 to 6 command points

#### Color of the enclosures

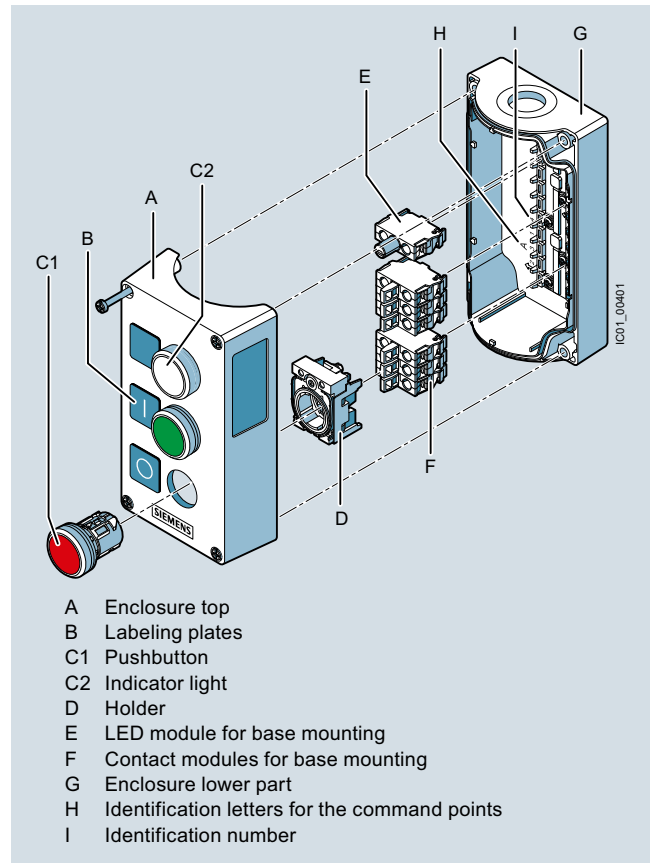
Top:

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

Base:

- Black, RAL 9005

#### Enclosures with standard fittings



Pushbuttons and indicator lights in the enclosure

#### Customized enclosures

The fittings and labeling of the command points can be chosen using the Configurator on the Internet, see: [www.siemens.com/sirius-act/configurator](http://www.siemens.com/sirius-act/configurator)

#### Application

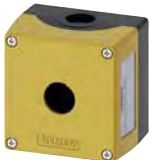
The enclosures are climate-proof (KTW 24) according to EN ISO 6270-2 and suitable for stationary use, and for use in marine applications.

Selection and ordering data

Color of enclosure top	Number of command points	Enclosure version	DT	Order No.	PU (UNIT, SET, M)	PS*
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Enclosures for surface mounting

**Plastic version**



3SU1801-0AA00-0AA2

Yellow	1	Center command point	A	<b>3SU1801-0AA00-0AA2</b>	1	1 unit
		With protective collar	A	<b>3SU1801-0AA00-0AC2</b>	1	1 unit
		With recess for labeling plate	A	<b>3SU1801-0AA00-0AB2</b>	1	1 unit



3SU1802-0AA00-0AB1

Gray	1	With recess for labeling plate	A	<b>3SU1801-0AA00-0AB1</b>	1	1 unit
	2	With recess for labeling plate	A	<b>3SU1802-0AA00-0AB1</b>	1	1 unit
	3	With recess for labeling plate	A	<b>3SU1803-0AA00-0AB1</b>	1	1 unit
	4	With recess for labeling plate	A	<b>3SU1804-0AA00-0AB1</b>	1	1 unit
	6	With recess for labeling plate	A	<b>3SU1806-0AA00-0AB1</b>	1	1 unit

**Metal version**



3SU1851-0AA00-0AC2

Yellow	1	Center command point	B	<b>3SU1851-0AA00-0AA2</b>	1	1 unit
		With protective collar	B	<b>3SU1851-0AA00-0AC2</b>	1	1 unit
		With recess for labeling plate	A	<b>3SU1851-0AA00-0AB2</b>	1	1 unit



3SU1853-0AA00-0AB1

Gray	1	With recess for labeling plate	▶	<b>3SU1851-0AA00-0AB1</b>	1	1 unit
		With protective collar	B	<b>3SU1851-0AA00-0AC1</b>	1	1 unit
	2	With recess for labeling plate	▶	<b>3SU1852-0AA00-0AB1</b>	1	1 unit
	3	With recess for labeling plate	▶	<b>3SU1853-0AA00-0AB1</b>	1	1 unit



3SU1854-0AA00-0AB1

	4	With recess for labeling plate	▶	<b>3SU1854-0AA00-0AB1</b>	1	1 unit
	6	With recess for labeling plate	B	<b>3SU1856-0AA00-0AB1</b>	1	1 unit

Enclosure for 4-position selector and coordinate switch

**Plastic version**



3SU1801-1AA00-1AA1

Gray	1	Center command point	B	<b>3SU1801-1AA00-1AA1</b>	1	1 unit
------	---	----------------------	---	---------------------------	---	--------

**Metal version**

Gray	1	Center command point	B	<b>3SU1851-1AA00-1AA1</b>	1	1 unit
------	---	----------------------	---	---------------------------	---	--------

# SIRIUS ACT Pushbuttons and Indicator Lights Enclosures

## Pushbuttons and indicator lights in the enclosure

### Overview

Pushbuttons and indicator lights in the enclosure (standard fittings) are available with:

- 1 to 3 command points
- Operating voltage up to 400 V
- Vertical mounting type
- Plastic enclosures are equipped with plastic actuators and indicators, metal enclosures are equipped with metal actuators and indicators
- Contact modules and LED modules for base mounting (are snapped into the enclosure base); screw terminals as standard; some versions also with spring-type terminals

### Selection and ordering data

Color enclosure top	Number of command points	Enclosure version Command point fittings	Color of actuating element Marking	Number of: NC contacts NO contacts		DT	Order No.	PU (UNIT, SET, M)	PS*
---------------------	--------------------------	---	---------------------------------------	--	--	----	-----------	----------------------	-----

#### Enclosures with standard fittings

##### Plastic version



3SU1801-0NA00-2AA2



3SU1801-0NA00-2AC2

Yellow	1	Center command point A = EMERGENCY STOP mushroom pushbutton B = indicator light	Red	2	1	A	<b>3SU1801-0NA00-2AA2</b>	1	1 unit
		With protective collar A = EMERGENCY STOP mushroom pushbutton B = indicator light	Red	2	1	A	<b>3SU1801-0NA00-2AC2</b>	1	1 unit
		A = pushbutton		2	1	A	<b>3SU1801-0NB00-2AC2</b>	1	1 unit
	2	With recess for labeling plate A = EMERGENCY STOP mushroom pushbutton B = indicator light	A = red B = red A = "without inscription" B = "without inscription"	2	1	B	<b>3SU1802-0NB00-2AB2</b>	1	1 unit



Pushbuttons and indicator lights in the enclosure

Color enclosure top	Number of command points	Enclosure version Command point fittings	Color of actuating element Marking	Number of: NC contacts NO contacts		DT	Order No.	PU (UNIT, SET, M)	PS*
---------------------	--------------------------	---	---------------------------------------	--	--	----	-----------	----------------------------	-----

Enclosures with standard fittings

Plastic version



3SU1801-0AB00-2AB1



3SU1802-0AB00-2AB1



3SU1803-0AB00-2AB1

Gray	1	With recess for labeling plate A = pushbutton	Green A = I	0	1	B	<b>3SU1801-0AB00-2AB1</b>	1	1 unit
			Red A = O	1	0	B	<b>3SU1801-0AC00-2AB1</b>	1	1 unit
			White A = I	0	1	B	<b>3SU1801-0AD00-2AB1</b>	1	1 unit
			Black A = O	1	0	B	<b>3SU1801-0AE00-2AB1</b>	1	1 unit
2	With recess for labeling plate A = pushbutton / B = pushbutton	A = red B = green	1	1	B	<b>3SU1802-0AB00-2AB1</b>	1	1 unit	
		A = black / B = black	1	1	B	<b>3SU1802-0AC00-2AB1</b>	1	1 unit	
3	With recess for labeling plate A = pushbutton / B = pushbutton / C = indicator light	A = red / B = green / C = clear	1	1	B	<b>3SU1803-0AB00-2AB1</b>	1	1 unit	
		A = O / B = I / C = "without inscription"	1	1	B	<b>3SU1803-0AC00-2AB1</b>	1	1 unit	
		A = black / B = white / C = clear	1	1	B	<b>3SU1803-0AD00-2AB1</b>	1	1 unit	
		A = O / B = I / C = "without inscription"	1	2	B	<b>3SU1803-0AE00-2AB1</b>	1	1 unit	
With recess for labeling plate A = pushbutton / B = pushbutton / C = pushbutton	A = red / B = black / C = black	1	2	B	<b>3SU1803-0AB00-2AB1</b>	1	1 unit		
	A = O / B = I / C = II	1	2	B	<b>3SU1803-0AC00-2AB1</b>	1	1 unit		
	A = red / B = black / C = black	1	2	B	<b>3SU1803-0AD00-2AB1</b>	1	1 unit		






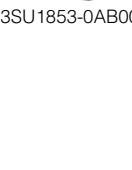

# SIRIUS ACT Pushbuttons and Indicator Lights Enclosures

## Pushbuttons and indicator lights in the enclosure

Color enclosure top	Number of command points	Enclosure version Command point fittings	Color of actuating element Marking	Number of:		DT	Order No.	PU (UNIT, SET, M)	PS*
				NC con-tacts	NO con-tacts				

### Enclosures with standard fittings

#### Metal version

	Yellow	1	Center command point A = EMERGENCY STOP mushroom pushbutton	Red	0	1	▶	<b>3SU1851-0NA00-2AA2</b>	1	1 unit	
					0	1	▶				<b>3SU1851-0NB00-2AA2</b>
			With protective collar A = EMERGENCY STOP mushroom pushbutton	Red	0	1	▶	<b>3SU1851-0NA00-2AC2</b>	1	1 unit	
					0	1	B	<b>3SU1851-0NB00-2AC2</b>	1	1 unit	
					0	1	B	<b>3SU1851-0ND00-2AC2</b>	1	1 unit	
	Gray	1	With recess for labeling plate A = pushbutton	Green	A = I	0	1	B	<b>3SU1851-0AB00-2AB1</b>	1	1 unit
				Red	A = O	0	1	B	<b>3SU1851-0AC00-2AB1</b>	1	1 unit
				White	A = I	0	1	B	<b>3SU1851-0AD00-2AB1</b>	1	1 unit
				Black	A = O	0	1	B	<b>3SU1851-0AE00-2AB1</b>	1	1 unit
		2	With recess for labeling plate A = pushbutton / B = pushbutton	A = red	1	1	B	<b>3SU1852-0AB00-2AB1</b>	1	1 unit	
				B = green							
				A = O / B = I							
		2	With recess for labeling plate A = pushbutton / B = pushbutton	A = black / B = white	1	1	B	<b>3SU1852-0AC00-2AB1</b>	1	1 unit	
				A = O / B = I							
		3	With recess for labeling plate A = pushbutton / B = pushbutton / C = indicator light	A = red / B = green / C = clear	1	1	B	<b>3SU1853-0AB00-2AB1</b>	1	1 unit	
				A = O / B = I / C = "without inscription"							
		3	With recess for labeling plate A = pushbutton / B = pushbutton / C = pushbutton	A = red / B = black / C = black	1	2	B	<b>3SU1853-0AD00-2AB1</b>	1	1 unit	
				A = O / B = I / C = II							

### Overview

With AS-Interface enclosures, distributed SIRIUS ACT pushbuttons and indicator lights can be quickly connected to the AS-Interface communication system. Using suitable components you can assemble your own enclosures with integrated AS-Interface or flexibly modify existing enclosures.



Enclosures for AS-Interface

### Enclosures

Color of enclosure top:

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

Color of enclosure lower part:

- Black, RAL 9005

### Equipping with AS-Interface slaves

The following slaves are available for connecting the command points:

- Slave in A/B technology with 4 digital inputs and 3 digital outputs (4 DI / 3 DO)
- Slave with 4 digital inputs and 4 digital outputs (4 DI / 4 DO)
- F slave with 2 safe inputs for EMERGENCY STOP mushroom pushbutton (2 F-DI), also with LED
- F slave with 2 safe inputs and one digital output (2 F-DI + 1 DO)

The following table shows the maximum number of slaves possible:

Number of command points	Number of slaves for enclosures without EMERGENCY STOP	Number of slaves for enclosures with EMERGENCY STOP
1	--	1 x F slave 2 F-DI
2	1 x slave 4 DI/4 DO or 4 DI/3 DO	--
3	1 x slave 4 DI/4 DO or 4 DI/3 DO	1 x slave 4 DI/4 DO or 4 DI/3 DO + 1 x F slave
4	2 x slave 4 DI/4 DO or 4 DI/3 DO	2 x slave 4 DI/4 DO or 4 DI/3 DO + 1 x F slave
6	2 x slave 4 DI/4 DO or 4 DI/3 DO	2 x slave 4 DI/4 DO or 4 DI/3 DO + 1 x F slave

### Connection

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

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

For connection to AS-Interface, the following options are available:

- Terminal for shaped AS-Interface cable. The cable is contacted by the insulation piercing method and routed past the enclosure on the outside (possible only with plastic enclosure).
- Cable gland for the shaped AS-Interface cable or round cable. The cable is routed into the enclosure (preferable for metal enclosure).
- Connection using M12 plug.

If less than all inputs/outputs of the installed slaves in an enclosure are used for connecting the commanding devices, free inputs and outputs can be routed on request to the outside through an M12 socket on the top or bottom side of the enclosure.

To supply inputs with power, the S+ connection of the slave must be assigned to the socket, for outputs the OUT- connection must be assigned. Addressing is performed using the AS-Interface connections or the integrated addressing socket. An external power supply is not required.

### Enclosures with standard fittings

Enclosures with standard fittings are available with:

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

The enclosures without EMERGENCY STOP each have one module with 4I/3O; the enclosures with EMERGENCY STOP mushroom pushbuttons have a safe AS-Interface slave integrated in the enclosure. Enclosures with EMERGENCY STOP mushroom pushbuttons are fitted with two NC contact modules, which are wired to the safe F slave.

The contact modules and LED modules (with spring-type terminals) of the commanding devices and the AS-Interface slaves are mounted in the base of the enclosure and connected using cables. The plastic enclosures are designed with a connection for the AS-Interface flat cable (the cable is run along the outside of the enclosure). For metal enclosures, the AS-Interface cable is run inside the enclosure.

The enclosures with EMERGENCY STOP mushroom pushbuttons are also available with an M12 connector.

### Customized enclosures (selection by configurator)


To order customized 3SU18 AS-Interface enclosures with pushbuttons and indicator lights, use the 3SU1 configurator to select the elements for equipping. An electronic order form will be generated for the options.

Configurator [see www.siemens.com/sirius-act/configurator](http://www.siemens.com/sirius-act/configurator)

# SIRIUS ACT Pushbuttons and Indicator Lights Enclosures

## Pushbuttons and indicator lights in the enclosure for AS-Interface

### Selection and ordering data

Color of enclosure top	Number of command points	Enclosure version Command point fittings	Color, marking	DT	Insulation piercing method 	PU (UNIT, SET, M)	PS*
					Order No.		

#### Enclosures with standard fittings

##### Plastic version



3SU1801-0NB10-4HB2

Yellow	1	With recess for labeling plate A = EMERGENCY STOP mushroom push-button	Red	B	<b>3SU1801-0NB10-4HB2</b>	1	1 unit
--------	---	---	-----	---	---------------------------	---	--------



3SU1802-0AB10-4HB1




Gray	2	With recess for labeling plate A = pushbutton / B = pushbutton	A = red B = green	B	<b>3SU1802-0AB10-4HB1</b>	1	1 unit
			A = O / B = I	B	<b>3SU1802-0AC10-4HB1</b>		



3SU1803-0AB10-4HB1

	3	With recess for labeling plate A = pushbutton / B = pushbutton / C = indicator light	A = red / B = green / C = clear A = O / B = I / C = "without inscription"	B	<b>3SU1803-0AB10-4HB1</b>	1	1 unit
--	---	---	--	---	---------------------------	---	--------



Selection and ordering data

Contact version	Number of NO contacts	Number of NC contacts	Product function positive opening	DT	Screw terminals	PU (UNIT, SET, M)	PS*		
					Order No.				
<b>Contact modules for base mounting</b>									
	Silver alloy	1	0	No	DT	<b>3SU1400-2AA10-1BA0</b>	1	1 unit	
		0	1	Yes			<b>3SU1400-2AA10-1CA0</b>	1	1 unit
	Silver alloy	1	0	No	DT	<b>3SU1400-2AA10-3BA0</b>	1	1 unit	
		0	1	Yes			<b>3SU1400-2AA10-3CA0</b>	1	1 unit
					Order No.				
<b>Spring-type terminals</b>									
<b>LED modules<sup>1)</sup> for base mounting</b>									
	Operational voltage at AC	Operational voltage at DC	Color	DT	Screw terminals	PU (UNIT, SET, M)	PS*		
	V	V			Order No.				
	24	24	Amber	B	<b>3SU1401-2BB00-1AA0</b>	1	1 unit		
			Red	▶	<b>3SU1401-2BB20-1AA0</b>	1	1 unit		
			Yellow	B	<b>3SU1401-2BB30-1AA0</b>	1	1 unit		
			Green	▶	<b>3SU1401-2BB40-1AA0</b>	1	1 unit		
			Blue	B	<b>3SU1401-2BB50-1AA0</b>	1	1 unit		
			White	▶	<b>3SU1401-2BB60-1AA0</b>	1	1 unit		
	110	--	Amber	B	<b>3SU1401-2BC00-1AA0</b>	1	1 unit		
			Red	B	<b>3SU1401-2BC20-1AA0</b>	1	1 unit		
			Yellow	B	<b>3SU1401-2BC30-1AA0</b>	1	1 unit		
			Green	B	<b>3SU1401-2BC40-1AA0</b>	1	1 unit		
			Blue	B	<b>3SU1401-2BC50-1AA0</b>	1	1 unit		
			White	B	<b>3SU1401-2BC60-1AA0</b>	1	1 unit		
	230	--	Amber	B	<b>3SU1401-2BF00-1AA0</b>	1	1 unit		
			Red	B	<b>3SU1401-2BF20-1AA0</b>	1	1 unit		
		Yellow	B	<b>3SU1401-2BF30-1AA0</b>	1	1 unit			
		Green	B	<b>3SU1401-2BF40-1AA0</b>	1	1 unit			
		Blue	B	<b>3SU1401-2BF50-1AA0</b>	1	1 unit			
		White	B	<b>3SU1401-2BF60-1AA0</b>	1	1 unit			




<sup>1)</sup> Only for use with SIRIUS commanding and signaling devices.

# SIRIUS ACT Pushbuttons and Indicator Lights Enclosures




## Modules for enclosures

	Operational voltage at AC	Operational voltage at DC	Color	DT	Spring-type terminals	PU (UNIT, SET, M)	PS*
							
					Order No.		
<b>LED modules<sup>1)</sup> for base mounting</b>							
 3SU1401-2BB20-3AA0	24	24	Amber	B	3SU1401-2BB00-3AA0	1	1 unit
			Red	▶	3SU1401-2BB20-3AA0	1	1 unit
			Yellow	B	3SU1401-2BB30-3AA0	1	1 unit
			Green	▶	3SU1401-2BB40-3AA0	1	1 unit
			Blue	B	3SU1401-2BB50-3AA0	1	1 unit
			White	▶	3SU1401-2BB60-3AA0	1	1 unit
	110	--	Amber	B	3SU1401-2BC00-3AA0	1	1 unit
			Red	B	3SU1401-2BC20-3AA0	1	1 unit
			Yellow	B	3SU1401-2BC30-3AA0	1	1 unit
			Green	B	3SU1401-2BC40-3AA0	1	1 unit
			Blue	B	3SU1401-2BC50-3AA0	1	1 unit
			White	B	3SU1401-2BC60-3AA0	1	1 unit
	230	--	Amber	B	3SU1401-2BF00-3AA0	1	1 unit
			Red	B	3SU1401-2BF20-3AA0	1	1 unit
			Yellow	B	3SU1401-2BF30-3AA0	1	1 unit
Green			B	3SU1401-2BF40-3AA0	1	1 unit	
Blue			B	3SU1401-2BF50-3AA0	1	1 unit	
White			B	3SU1401-2BF60-3AA0	1	1 unit	

<sup>1)</sup> Only for use with SIRIUS commanding and signaling devices.

	Operational voltage at AC	Operational voltage at DC	Color	DT	Screw terminals	PU (UNIT, SET, M)	PS*	
								
					Order No.			
<b>LED modules<sup>1)</sup> for base mounting - wide voltage range</b>								
 3SU1401-2BG60-1AA0	6 ... 24	6 ... 24	Amber	B	3SU1401-2BG00-1AA0	1	1 unit	
			Red	▶	3SU1401-2BG20-1AA0	1	1 unit	
			Yellow	B	3SU1401-2BG30-1AA0	1	1 unit	
			Green	▶	3SU1401-2BG40-1AA0	1	1 unit	
			Blue	▶	3SU1401-2BG50-1AA0	1	1 unit	
			White	▶	3SU1401-2BG60-1AA0	1	1 unit	
	24 ... 230	24 ... 230	Amber	B	3SU1401-2BH00-1AA0	1	1 unit	
			Red	B	3SU1401-2BH20-1AA0	1	1 unit	
			Yellow	B	3SU1401-2BH30-1AA0	1	1 unit	
			Green	B	3SU1401-2BH40-1AA0	1	1 unit	
			Blue	B	3SU1401-2BH50-1AA0	1	1 unit	
			White	▶	3SU1401-2BH60-1AA0	1	1 unit	
	 3SU1401-2BG20-3AA0	6 ... 24	6 ... 24	Amber	B	3SU1401-2BG00-3AA0	1	1 unit
				Red	B	3SU1401-2BG20-3AA0	1	1 unit
				Yellow	B	3SU1401-2BG30-3AA0	1	1 unit
Green				B	3SU1401-2BG40-3AA0	1	1 unit	
Blue				B	3SU1401-2BG50-3AA0	1	1 unit	
White				B	3SU1401-2BG60-3AA0	1	1 unit	
24 ... 230		24 ... 230	Amber	B	3SU1401-2BH00-3AA0	1	1 unit	
			Red	B	3SU1401-2BH20-3AA0	1	1 unit	
			Yellow	B	3SU1401-2BH30-3AA0	1	1 unit	
			Green	B	3SU1401-2BH40-3AA0	1	1 unit	
			Blue	B	3SU1401-2BH50-3AA0	1	1 unit	
			White	B	3SU1401-2BH60-3AA0	1	1 unit	

<sup>1)</sup> Only for use with SIRIUS commanding and signaling devices.

	Operational voltage	Slave type	Number of digital inputs		Number of digital outputs	DT	Push-in terminals 	PU (UNIT, SET, M)	PS*
			Standard	Safety-related					
<b>AS-Interface modules for base mounting</b>									
 3SU1400-2EJ10-6AA0	24 V	4 DI/3 DO AB	4	0	3	B	<b>3SU1400-2EJ10-6AA0</b>	1	1 unit
			4 DI/4DO	4	0	4	B	<b>3SU1400-2EK10-6AA0</b>	1
<b>IO-Link modules for base mounting</b>									
 3SU1400-2EJ10-6AA0	24 V	Freely programmable (default 6DI/2DO)	0-8	0	0-8	B	<b>3SU1400-2HL10-6AA0</b>	1	1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights Enclosures

## Two-hand operation consoles

### Overview

#### Equipment

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

The standard equipment comprises:

- 2 black mushroom pushbuttons, Ø 40 mm, 1 NO + 1 NC
- 1 red EMERGENCY STOP mushroom pushbutton according to ISO 13850, Ø 40 mm, with positive latching, 2 NC

The plastic version can be retrofitted with up to 8 customized command points. The surface of the console has premachined breaking points for this purpose.

### Application

The two-hand operation consoles are required for use with machines and systems that have hazardous areas, in order to direct both hands of the operator to one position.

The operation consoles are primarily used on presses, stamping machines, printing presses and paper converting machines, in the chemical industry and in the rubber and plastics industries.

The control command is given by pressing the two mushroom pushbuttons on the sides simultaneously (within 0.5 s of each other) and must be maintained for as long as a hazard exists.

For the further processing of control commands, suitable evaluation units are used, e.g. 3SK11 safety relays or the 3RK3 Modular Safety System.

### Standards

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

### Selection and ordering data

Version of actuating element Unlatching method	Color of actuating element	Number of NO contacts	Number of NC contacts	DT	Order No.	PU (UNIT, SET, M)	PS*
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#### Enclosures - Two-hand operation consoles

##### Plastic enclosures

None	--	0	0	B	<b>3SU1803-3AA00-1AA1</b>	1	1 unit
A = mushroom pushbutton / B = EMERGENCY STOP mushroom pushbutton / C = mushroom pushbutton	A = black / B = red / C = black	2	4	B	<b>3SU1803-3NB00-1AE1</b>	1	1 unit
A = pull-to-unlatch mechanism / B = rotate-to-unlatch mechanism / C = pull-to-unlatch mechanism							



3SU1803-3NB00-1AE1

##### Metal enclosures

None	--	0	0	B	<b>3SU1853-3AA00-0AA1</b>	1	1 unit
A = mushroom pushbutton / B = EMERGENCY STOP mushroom pushbutton / C = mushroom pushbutton	A = black / B = red / C = black	2	4	B	<b>3SU1853-3NB00-1AA1</b>	1	1 unit
A = pull-to-unlatch mechanism / B = rotate-to-unlatch mechanism / C = pull-to-unlatch mechanism		2	4	B	<b>3SU1853-3NB00-1AD1</b>	1	1 unit



3SU1853-3AA00-0AA1



3SU1853-3NB00-1AA1



3SU1853-3NB00-1AD1

Version	Material	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
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#### Accessories

<b>Stands for two-hand operation console</b>	Metal	Silver	B	<b>3SU1950-0HN10-0AA0</b>	1	1 unit
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3SU1950-0HN10-0AA0



**Overview**

Labels can be inserted for identification purposes in pushbuttons (clear) and in illuminated pushbuttons with a flat button. These insert labels are made of semi-transparent plastic with black inscription; they can be fitted in any 90° angle.



**Inscription**

The inscription is in upper/lower case, all words begin with upper case letters. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417.

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

For customized inscription, see "Options" on page 97.

**Selection and ordering data**

Color	Marking	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Insert labels</b>					
<b>For self-inscription</b>					
	Clear/Black (label/lettering)	None	B	<b>3SU1900-0AB71-0AA0</b>	100 10 units
3SU1900-0AB71-0AA0					
<b>Inscription in English</b>					
	Clear/Black (label/lettering)	On	B	<b>3SU1900-0AB71-0DJ0</b>	100 10 units
		Off	B	<b>3SU1900-0AB71-0DK0</b>	100 10 units
		Up	B	<b>3SU1900-0AB71-0DL0</b>	100 10 units
		Down	B	<b>3SU1900-0AB71-0DM0</b>	100 10 units
		Forward+	B	<b>3SU1900-0AB71-0DN0</b>	100 10 units
		Right	B	<b>3SU1900-0AB71-0DQ0</b>	100 10 units
		Left	B	<b>3SU1900-0AB71-0DR0</b>	100 10 units
		Stop	B	<b>3SU1900-0AB71-0DS0</b>	100 10 units
		Start	B	<b>3SU1900-0AB71-0DT0</b>	100 10 units
		Reset	B	<b>3SU1900-0AB71-0DU0</b>	100 10 units
		Test	B	<b>3SU1900-0AB71-0DV0</b>	100 10 units
		Open	B	<b>3SU1900-0AB71-0DW0</b>	100 10 units
		Close	B	<b>3SU1900-0AB71-0DX0</b>	100 10 units
		Running	B	<b>3SU1900-0AB71-0EB0</b>	100 10 units
		Fast	B	<b>3SU1900-0AB71-0EE0</b>	100 10 units
		Slow	B	<b>3SU1900-0AB71-0EF0</b>	100 10 units
3SU1900-0AB71-0DN0					

# SIRIUS ACT Pushbuttons and Indicator Lights

Accessories  
Labels

## Insert labels

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
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### Insert labels

#### With symbol (ON/OFF)



3SU1900-0AB71-0QC0

Black/White (label/lettering)	O I	--	B	<b>3SU1900-0AB16-0QE0</b>	1	10 units
White/Black (label/lettering)	O I	--	B	<b>3SU1900-0AB61-0QE0</b>	1	10 units
Clear/Black (label/lettering)	O	5008 IEC	A	<b>3SU1900-0AB71-0QA0</b>	100	10 units
	I	5007 IEC	A	<b>3SU1900-0AB71-0QB0</b>	100	10 units
	II	--	B	<b>3SU1900-0AB71-0QC0</b>	100	10 units
	III	--	B	<b>3SU1900-0AB71-0QD0</b>	100	10 units

#### With symbol (graphic)



3SU1900-0AB71-0QT0



3SU1900-0AB71-0RB0



3SU1900-0AB71-0RN0

Clear/Black (label/lettering)	→	ARROW DIRECTION TO RIGHT	5022 IEC	A	<b>3SU1900-0AB71-0QR0</b>	100	10 units
	↗	ARROW DIRECTION UP	--	B	<b>3SU1900-0AB71-0QS0</b>	100	10 units
	↻	CLOCKWISE ROTATION	0004 ISO	B	<b>3SU1900-0AB71-0QT0</b>	100	10 units
	↺	COUNTERCLOCKWISE ROTATION	--	B	<b>3SU1900-0AB71-0QU0</b>	100	10 units
	∞	RAPID TRAVERSE	0266 ISO	B	<b>3SU1900-0AB71-0QV0</b>	100	10 units
	⚡	FEED	--	B	<b>3SU1900-0AB71-0QW0</b>	100	10 units
	+	INCREASE, PLUS	5005 IEC	B	<b>3SU1900-0AB71-0QX0</b>	100	10 units
	-	DECREASE, MINUS	5006 IEC	B	<b>3SU1900-0AB71-0QY0</b>	100	10 units
	⚙	ELECTRIC MOTOR	0011 ISO	B	<b>3SU1900-0AB71-0RA0</b>	100	10 units
	⚙	HORN	5014 IEC	B	<b>3SU1900-0AB71-0RB0</b>	100	10 units
	⚙	WATER TAP	--	B	<b>3SU1900-0AB71-0RC0</b>	100	10 units
	⚙	PUMP	0134 ISO	B	<b>3SU1900-0AB71-0RD0</b>	100	10 units
	⚙	COOLANT PUMP	0355 ISO	B	<b>3SU1900-0AB71-0RE0</b>	100	10 units
	⚙	LOCK, TIGHTEN	--	B	<b>3SU1900-0AB71-0RF0</b>	100	10 units
	⚙	UNLOCK, UNCLAMP	--	B	<b>3SU1900-0AB71-0RG0</b>	100	10 units
	⚙	BRAKE	--	B	<b>3SU1900-0AB71-0RH0</b>	100	10 units
	⚙	RELEASE BRAKE	0021 ISO	B	<b>3SU1900-0AB71-0RJ0</b>	100	10 units
	⚙	INTERLOCK	0022 ISO	B	<b>3SU1900-0AB71-0RK0</b>	100	10 units
	⚙	UNLOCK	0023 ISO	B	<b>3SU1900-0AB71-0RL0</b>	100	10 units
	⚙	SETTING	--	B	<b>3SU1900-0AB71-0RM0</b>	100	10 units
	⚙	ON-OFF MOMENTARY CONTACT TYPE	5011 IEC	B	<b>3SU1900-0AB71-0RN0</b>	100	10 units
	⚙	MANUAL OPERATION	0096 ISO	B	<b>3SU1900-0AB71-0RP0</b>	100	10 units
	⚙	AUTOMATIC CYCLE	0017 ISO	B	<b>3SU1900-0AB71-0RQ0</b>	100	10 units
	⚙	SUCTION	--	B	<b>3SU1900-0AB71-0RR0</b>	100	10 units
	⚙	BLOWING	--	B	<b>3SU1900-0AB71-0RS0</b>	100	10 units

## Options

### Customized inscriptions

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

By default, a letter height of 4 mm (for a single line of text) or 3 mm (for two or three lines of text) is used for text inscriptions.

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

For round insert labels, the maximum possible number of characters per line is:

- 10 characters for one line of text
- 8 characters for 2 lines of text
- 6 characters for 3 lines of text, but 10 characters in the middle line

### Examples for customized inscription



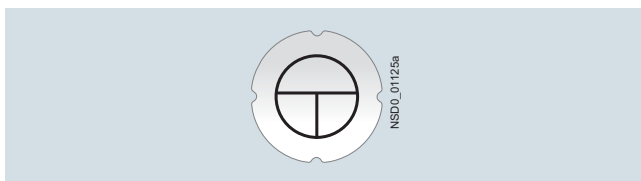
Two-line inscription in upper/lower case lettering (Q0Y)



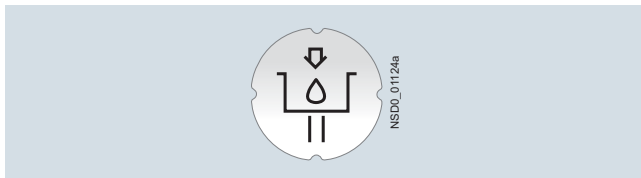
Single-line inscription in upper case lettering (Q1Y)



Three-line inscription in lower case letters (Q2Y)



Symbol number 5011 according to IEC 60417 (Q3Y)



Any symbol according to order form supplement (Q9Y)

### Ordering notes

Append the following order codes to the Order No.:

- Text line(s) in upper/lower case, upper case always for beginning of line (e.g. "Lift / Off"): **Q0Y**
- Text line(s) in upper case (e.g. "LIFT"): **Q1Y**
- Text line(s) in lower case (e.g. "lift / off / lower"): **Q2Y**
- Text line(s) in upper/lower case, all words begin with upper case letters (e.g. "On Off"): **Q5Y**
- Symbol with number according to ISO 7000 or IEC 60417: **Q3Y**
- Any inscription or symbol according to order form supplement: **Q9Y**

When ordering, specify the required inscription in plain text in addition to the article number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language. In the case of multi-line inscriptions, the text must be assigned to the respective line, e.g. "Z1 = Lift, Z2 = Lower". For long words you can also specify the end-of-line division; see [ordering example 1](#)

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

The SIRIUS ACT Configurator must be used to select customized inscriptions and symbols (order code Q9Y). In this case a "CIN" (Configuration Identification Number) is generated for placement of future orders. It is then possible to place an order directly using the CIN and the SIRIUS ACT Configurator (Mall shopping cart) or via the standard order channels.

Standard ordering channels:

- Configurator: [www.siemens.com/sirius-act/configurator](http://www.siemens.com/sirius-act/configurator)
- Electronic Catalog CA 01 on DVD
- Industry Mall: [www.usa.siemens.com/industrymall](http://www.usa.siemens.com/industrymall)

### Ordering example 1

A label with 2 lines of text is required:

3SU1900-0AB71-0AZO  
Q1Y  
Z1 = LIFT  
Z2 = LOWER

### Ordering example 2

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

3SU1900-0AB71-0AZO  
Q3Y  
Z = 5011 IEC

### Ordering example 3

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

3SU1900-0AB71-0AZO  
Q3Y  
Z = 1118 ISO

# SIRIUS ACT Pushbuttons and Indicator Lights

## Accessories

### Labels

#### Label holders for labeling plates

##### Selection and ordering data

Label holder shape	Label holder color	Label fastening method	Labeling plate size		DT	Order No.	PU (UNIT, SET, M)	PS*		
			Height mm	Width mm						
<b>Label holders for labeling plates</b>										
	With rounded bottom	Black	Self-adhesive	12.5	27	▶	<b>3SU1900-0AG10-0AA0</b>	100	10 units	
				17.5	27	A		100	10 units	
				27	27	▶		100	10 units	
	Snap-on	12.5	27	A	<b>3SU1900-0AJ10-0AA0</b>	100		10 units		
		17.5	27	A		100		10 units		
		27	27	A		100		10 units		
	With square bottom	Black	Self-adhesive	12.5		27	B	<b>3SU1900-0AN10-0AA0</b>	100	1 unit
				17.5		27	B		100	1 unit
				27		27	B		100	1 unit
	Snap-on	12.5	27	B	<b>3SU1900-0AP10-0AA0</b>	100	1 unit			
		17.5	27	B		100	1 unit			
		27	27	B		100	1 unit			
<b>Label holders for labeling plates for coordinate switches</b>										
	With square bottom	Black	Self-adhesive	27		27	A	<b>3SU1900-0AL10-0AA0</b>	1	1 unit
				27		27	A			
	Cross	Black	Self-adhesive	27	27	B	<b>3SU1900-0AM10-0AA0</b>	1	1 unit	
				27	27	B				
<b>Label holders for labeling plates for twin pushbuttons</b>										
	Rectangular	Black	Self-adhesive	12.5	27	▶	<b>3SU1900-0AK10-0AA0</b>	100	10 units	
<b>Single frames</b>										
	Square	--	--	29.8	29.8	A	<b>3SU1900-0AX10-0AA0</b>	1	10 units	

**Overview**

The backing plates consist of a black molded-plastic label holder and a labeling plate (black with white print or silver-colored with black print) for sticking or snapping in place. They are not suitable for EMERGENCY STOP buttons. Note mounting dimensions!

**Inscription**

The inscription is in upper/lower case, all words begin with upper case letters. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417.

For customized inscription, see "Options" on page 104.





**Labeling plates for sticking/snapping in place**

The labels are available in three sizes:

- 12.5 mm × 27 mm
- 17.5 mm × 27 mm
- 27 mm × 27 mm

For mounting the labeling plates, you can choose between label holders for stick-on or snap-on mounting.

**Selection and ordering data**

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Labeling plates 12.5 mm x 27 mm</b>						
<b>For self-inscription</b>						
	Black/White (label/lettering)	None	--	▶ <b>3SU1900-0AC16-0AA0</b>	100	10 units
3SU1900-0AC16-0AA0						
<b>Inscription in English</b>						
	Black/White (label/lettering)	On	--	B <b>3SU1900-0AC16-0DJ0</b>	100	10 units
		Off	--	B <b>3SU1900-0AC16-0DK0</b>	100	10 units
		Up	--	B <b>3SU1900-0AC16-0DL0</b>	100	10 units
		Down	--	B <b>3SU1900-0AC16-0DM0</b>	100	10 units
		Forward	--	▶ B <b>3SU1900-0AC16-0DN0</b>	100	10 units
		Reverse	--	B <b>3SU1900-0AC16-0DP0</b>	100	10 units
		Right	--	B <b>3SU1900-0AC16-0DQ0</b>	100	10 units
		Left	--	B <b>3SU1900-0AC16-0DR0</b>	100	10 units
		Stop	--	▶ B <b>3SU1900-0AC16-0DS0</b>	100	10 units
		Start	--	▶ B <b>3SU1900-0AC16-0DT0</b>	100	10 units
		Reset	--	B <b>3SU1900-0AC16-0DU0</b>	100	10 units
		Test	--	B <b>3SU1900-0AC16-0DV0</b>	100	10 units
		Open	--	▶ B <b>3SU1900-0AC16-0DW0</b>	100	10 units
		Close	--	▶ B <b>3SU1900-0AC16-0DX0</b>	100	10 units
		Jog	--	B <b>3SU1900-0AC16-0DE0</b>	100	10 units
		Running	--	B <b>3SU1900-0AC16-0EB0</b>	100	10 units
		Fault	--	B <b>3SU1900-0AC16-0EC0</b>	100	10 units
		Run	--	B <b>3SU1900-0AC16-0ED0</b>	100	10 units
		Stop Start	--	B <b>3SU1900-0AC16-0DC0</b>	100	10 units
		Off On	--	▶ B <b>3SU1900-0AC16-0DH0</b>	100	10 units
		Power off	--	B <b>3SU1900-0AC16-0DF0</b>	100	10 units
		Power on	--	B <b>3SU1900-0AC16-0DG0</b>	100	10 units
		Man O Auto	--	B <b>3SU1900-0AC16-0DY0</b>	100	10 units
		Man Auto	--	B <b>3SU1900-0AC16-0EA0</b>	100	10 units
		Hand Auto	--	B <b>3SU1900-0AC16-0DB0</b>	100	10 units
		Hand O Auto	--	B <b>3SU1900-0AC16-0DD0</b>	100	10 units
		3SU1900-0AC16-0DN0				
<b>With symbol</b>						
	Black/White (label/lettering)	0	--	B <b>3SU1900-0AC16-0QA0</b>	100	10 units
		1	--	B <b>3SU1900-0AC16-0QB0</b>	100	10 units
		0 1	--	B <b>3SU1900-0AC16-0QG0</b>	100	10 units
		1 2	--	B <b>3SU1900-0AC16-0QJ0</b>	100	10 units
		 ARROW DIRECTION UP	--	B <b>3SU1900-0AC16-0QS0</b>	100	10 units
3SU1900-0AC16-0QG0						

# SIRIUS ACT Pushbuttons and Indicator Lights

## Accessories

### Labels

#### Labeling plates

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
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#### Labeling plates 12.5 mm x 27 mm

##### For self-inscription



3SU1900-0AC81-0AA0

Silver/Black  
(label/lettering) None

A

**3SU1900-0AC81-0AA0**

100

10 units

##### Inscription in English



3SU1900-0AC81-0DK0

Silver/Black (label/lettering)	On	--	B	<b>3SU1900-0AC81-0DJ0</b>	100	10 units
	Off	--	B	<b>3SU1900-0AC81-0DK0</b>	100	10 units
	Up	--	B	<b>3SU1900-0AC81-0DL0</b>	100	10 units
	Down	--	B	<b>3SU1900-0AC81-0DM0</b>	100	10 units
	Stop	--	B	<b>3SU1900-0AC81-0DS0</b>	100	10 units
	Start	--	B	<b>3SU1900-0AC81-0DT0</b>	100	10 units
	Reset	--	B	<b>3SU1900-0AC81-0DU0</b>	100	10 units
	Test	--	B	<b>3SU1900-0AC81-0DV0</b>	100	10 units
	Open	--	B	<b>3SU1900-0AC81-0DW0</b>	100	10 units
	Close	--	B	<b>3SU1900-0AC81-0DX0</b>	100	10 units
	Man O Auto	--	B	<b>3SU1900-0AC81-0DY0</b>	100	10 units
	Man Auto	--	B	<b>3SU1900-0AC81-0EA0</b>	100	10 units
	Running	--	B	<b>3SU1900-0AC81-0EB0</b>	100	10 units
	Fault	--	B	<b>3SU1900-0AC81-0EC0</b>	100	10 units
	Fast	--	B	<b>3SU1900-0AC81-0EE0</b>	100	10 units
	Slow	--	B	<b>3SU1900-0AC81-0EF0</b>	100	10 units
	Hand Auto	--	B	<b>3SU1900-0AC81-0DB0</b>	100	10 units
	Stop Start	--	B	<b>3SU1900-0AC81-0DC0</b>	100	10 units
	Hand O Auto	--	B	<b>3SU1900-0AC81-0DD0</b>	100	10 units

##### With symbol



3SU1900-0AC81-0QK0

Silver/Black (label/lettering)	O	5008 IEC	B	<b>3SU1900-0AC81-0QA0</b>	100	10 units
	I	5007 IEC	B	<b>3SU1900-0AC81-0QB0</b>	100	10 units
	II	--	B	<b>3SU1900-0AC81-0QC0</b>	100	10 units
	III	--	B	<b>3SU1900-0AC81-0QD0</b>	100	10 units
	O I	--	B	<b>3SU1900-0AC81-0QG0</b>	100	10 units
	I O II	--	B	<b>3SU1900-0AC81-0QK0</b>	100	10 units
	1 O 2	--	B	<b>3SU1900-0AC81-0QL0</b>	100	10 units
	→ ARROW DIRECTION TO RIGHT	5022 IEC	B	<b>3SU1900-0AC81-0QR0</b>	100	10 units
	↖ ARROW DIRECTION UP	--	B	<b>3SU1900-0AC81-0QS0</b>	100	10 units

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
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Labeling plates 17.5 mm x 27 mm

**For self-inscription**



3SU1900-0AD16-0AA0

Black/White (label/lettering)	None	--	▶	<b>3SU1900-0AD16-0AA0</b>	100	10 units
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**Inscription in English**



3SU1900-0AD16-0DK0

Black/White (label/lettering)	Stop Start	--	B	<b>3SU1900-0AD16-0DC0</b>	100	10 units
	On	--	B	<b>3SU1900-0AD16-0DJ0</b>	100	10 units
	Off	--	B	<b>3SU1900-0AD16-0DK0</b>	100	10 units
	Up	--	B	<b>3SU1900-0AD16-0DL0</b>	100	10 units
	Down	--	B	<b>3SU1900-0AD16-0DM0</b>	100	10 units
	Forward	--	B	<b>3SU1900-0AD16-0DN0</b>	100	10 units
	Reverse	--	B	<b>3SU1900-0AD16-0DP0</b>	100	10 units
	Right	--	B	<b>3SU1900-0AD16-0DQ0</b>	100	10 units
	Stop	--	B	<b>3SU1900-0AD16-0DS0</b>	100	10 units
	Start	--	B	<b>3SU1900-0AD16-0DT0</b>	100	10 units
	Open	--	B	<b>3SU1900-0AD16-0DW0</b>	100	10 units
	Close	--	B	<b>3SU1900-0AD16-0DX0</b>	100	10 units
	Man Auto	--	B	<b>3SU1900-0AD16-0EA0</b>	100	10 units
	Running	--	B	<b>3SU1900-0AD16-0EB0</b>	100	10 units
	Fault	--	B	<b>3SU1900-0AD16-0EC0</b>	100	10 units
	Hand Auto	--	B	<b>3SU1900-0AD16-0DB0</b>	100	10 units

**With symbol**



3SU1900-0AD16-0QR0






Black/White (label/lettering)	O	5008 IEC	B	<b>3SU1900-0AD16-0QA0</b>	100	10 units
	I	5007 IEC	B	<b>3SU1900-0AD16-0QB0</b>	100	10 units
	O I	--	B	<b>3SU1900-0AD16-0QG0</b>	100	10 units
	→	5022 IEC	B	<b>3SU1900-0AD16-0QR0</b>	100	10 units
	↖	--	B	<b>3SU1900-0AD16-0QS0</b>	100	10 units

# SIRIUS ACT Pushbuttons and Indicator Lights

## Accessories

### Labels

#### Labeling plates

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Labeling plates 17.5 mm x 27 mm</b>						
<b>For self-inscription</b>						
	Silver/Black (label/lettering)	None	--	A	<b>3SU1900-0AD81-0AA0</b>	100 10 units
3SU1900-0AD81-0AA0						
<b>Inscription in English</b>						
	Silver/Black (label/lettering)	On	--	B	<b>3SU1900-0AD81-0DJ0</b>	100 10 units
		Off	--	B	<b>3SU1900-0AD81-0DK0</b>	100 10 units
		Stop	--	B	<b>3SU1900-0AD81-0DS0</b>	100 10 units
		Start	--	B	<b>3SU1900-0AD81-0DT0</b>	100 10 units
		Reset	--	B	<b>3SU1900-0AD81-0DU0</b>	100 10 units
		Man O Auto	--	B	<b>3SU1900-0AD81-0DY0</b>	100 10 units
		Fault	--	B	<b>3SU1900-0AD81-0EC0</b>	100 10 units
		Hand Auto	--	B	<b>3SU1900-0AD81-0DB0</b>	100 10 units
3SU1900-0AD81-0EC0		Hand O Auto	--	B	<b>3SU1900-0AD81-0DD0</b>	100 10 units
<b>With symbol</b>						
	Silver/Black (label/lettering)	O	5008 IEC	B	<b>3SU1900-0AD81-0QA0</b>	100 10 units
		I	5007 IEC	B	<b>3SU1900-0AD81-0QB0</b>	100 10 units
		O I	--	B	<b>3SU1900-0AD81-0QG0</b>	100 10 units
		I O II	--	B	<b>3SU1900-0AD81-0QK0</b>	100 10 units
		1 O 2	--	B	<b>3SU1900-0AD81-0QL0</b>	100 10 units
		 ARROW DIRECTION TO RIGHT	5022 IEC	B	<b>3SU1900-0AD81-0QR0</b>	100 10 units
		 ARROW DIRECTION UP	--	B	<b>3SU1900-0AD81-0QS0</b>	100 10 units
3SU1900-0AD81-0QG0						



Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
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Labeling plates 27 mm x 27 mm

**For self-inscription**



3SU1900-0AE16-0AA0

Black/White  
(label/lettering)

None

--

▶

3SU1900-0AE16-0AA0

100

10 units



3SU1900-0AE81-0AA0

Silver/Black  
(label/lettering)

--

A

3SU1900-0AE81-0AA0

100

10 units

**Inscription in English**



3SU1900-0AE16-0DK0

Black/White  
(label/lettering)

On

--

B

3SU1900-0AE16-0DJ0

100

10 units

Off

--

B

3SU1900-0AE16-0DK0

100

10 units

Up

--

B

3SU1900-0AE16-0DL0

100

10 units

Down

--

B

3SU1900-0AE16-0DM0

100

10 units

Forward

--

B

3SU1900-0AE16-0DN0

100

10 units

Reverse

--

B

3SU1900-0AE16-0DP0

100

10 units

Stop

--

B

3SU1900-0AE16-0DS0

100

10 units

Start

--

B

3SU1900-0AE16-0DT0

100

10 units

EMERGENCY STOP

--

B

3SU1900-0AE16-0DA0

100

10 units

Stop Start

--

B

3SU1900-0AE16-0DC0

100

10 units

Hand Auto

--

B

3SU1900-0AE16-0DB0

100

10 units

**With symbol**



3SU1900-0AE16-0QG0

Black/White  
(label/lettering)

O I

--

B

3SU1900-0AE16-0QG0

100

10 units

→ ARROW DIRECTION  
TO RIGHT

5022 IEC

B

3SU1900-0AE16-0QR0

100

10 units

#### Labeling plates

#### Options

##### Customized inscriptions

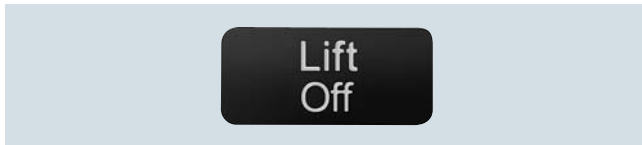
The labels can be inscribed with text and symbols not listed in the ordering data.

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

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

Up to 11 characters per line are possible. The typeface used is Arial. Other letter heights and typefaces are possible, but must be specified when ordering.

##### Examples for customized inscription



Two-line inscription in upper/lower case lettering (Q0Y)



Single-line inscription in upper case lettering (Q1Y)



Three-line inscription in lower case letters (Q2Y)



Symbol number 5011 according to IEC 60417 (Q3Y)



Any symbol according to order form supplement (Q9Y)

##### Ordering notes

Append the following order codes to the Order No.:

- Text line(s) in upper/lower case, upper case always for beginning of line (e.g. "Lift / Off"): **Q0Y**
- Text line(s) in upper case (e.g. "LIFT"): **Q1Y**
- Text line(s) in lower case (e.g. "lift / off / lower"): **Q2Y**
- Text line(s) in upper/lower case, all words begin with upper case letters (e.g. "On Off"): **Q5Y**
- Symbol with number according to ISO 7000 or IEC 60417: **Q3Y**
- Any inscription or symbol according to order form supplement: **Q9Y**

When ordering, specify the required inscription in plain text in addition to the article number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language.

In the case of multi-line inscriptions, the text must be assigned to the respective line, e.g. "Z1 = Lift, Z2 = Lower".

For long words you can also specify the end-of-line division; see [ordering example 1](#)

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

For special symbols (order code Q9Y), a CAD drawing in BMP, GIF, JPEG, PDF, PNG or TIFF format must be submitted. For special inscriptions (order code Q9Y): document in DOC or XLS format.

The SIRIUS ACT Configurator must be used to select special inscriptions and symbols (order code Q9Y). In this case a "CIN" (Configuration Identification Number) is generated for placement of future orders. It is then possible to place an order directly using the CIN and the SIRIUS ACT Configurator (Mall shopping cart) or via the standard order channels.

Standard ordering channels:

- Configurator: [www.siemens.com/sirius-act/configurator](http://www.siemens.com/sirius-act/configurator)
- Electronic Catalog CA 01 on DVD
- Industry Mall: [www.usa.siemens.com/industrymall](http://www.usa.siemens.com/industrymall)

##### Ordering example 1

A label with 2 lines of text is required:

3SU1900-0AC16-0AZ0

Q1Y

Z1 = LIFT

Z2 = LOWER

##### Ordering example 2

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

3SU1900-0AC16-0AZ0

Q3Y

Z = 5011 IEC

##### Ordering example 3

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

3SU1900-0AC16-0AZ0

Q3Y

Z = 1118 ISO

**Overview**

The labeling plates in size 22 mm x 22 mm can be attached to enclosures with cutouts for labels. There are versions in black with white print or silver-colored with black print.

**Inscription**

The inscription is in upper/lower case, all words begin with upper case letters. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417.

For customized inscription, see "Options" on page 107.

**Selection and ordering data**

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
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**Labeling plates 22 mm x 22 mm**

**For self-inscription**



3SU1900-0AF16-0AA0

Black/White (label/lettering)	None	--	▶	<b>3SU1900-0AF16-0AA0</b>	100	10 units
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**Inscription in English**



3SU1900-0AF16-0DM0

Black/White (label/lettering)	On	--	B	<b>3SU1900-0AF16-0DJ0</b>	1	10 units
	Off	--	B	<b>3SU1900-0AF16-0DK0</b>	1	10 units
	Up	--	▶	<b>3SU1900-0AF16-0DL0</b>	1	10 units
	Down	--	▶	<b>3SU1900-0AF16-0DM0</b>	1	10 units
	Forward	--	B	<b>3SU1900-0AF16-0DN0</b>	1	10 units
	Right	--	B	<b>3SU1900-0AF16-0DQ0</b>	1	10 units
	Left	--	B	<b>3SU1900-0AF16-0DR0</b>	1	10 units
	Stop	--	▶	<b>3SU1900-0AF16-0DS0</b>	1	10 units
	Start	--	▶	<b>3SU1900-0AF16-0DT0</b>	1	10 units
	Reset	--	B	<b>3SU1900-0AF16-0DU0</b>	1	10 units
	Test	--	▶	<b>3SU1900-0AF16-0DV0</b>	1	10 units
	Open	--	B	<b>3SU1900-0AF16-0DW0</b>	1	10 units
	Close	--	B	<b>3SU1900-0AF16-0DX0</b>	1	10 units
	Running	--	B	<b>3SU1900-0AF16-0EB0</b>	1	10 units
	Fault	--	B	<b>3SU1900-0AF16-0EC0</b>	1	10 units
	Fast	--	B	<b>3SU1900-0AF16-0EE0</b>	1	10 units
	Slow	--	B	<b>3SU1900-0AF16-0EF0</b>	1	10 units
	EMERGENCY STOP	--	▶	<b>3SU1900-0AF16-0DA0</b>	1	10 units

**With symbol (ON/OFF)**



3SU1900-0AF16-0QQ0

Black/White (label/lettering)	O	5008 IEC	▶	<b>3SU1900-0AF16-0QA0</b>	1	10 units
	I	5007 IEC	▶	<b>3SU1900-0AF16-0QB0</b>	1	10 units
	II	--	▶	<b>3SU1900-0AF16-0QC0</b>	1	10 units
	III	--	B	<b>3SU1900-0AF16-0QD0</b>	1	10 units
	O I	--	B	<b>3SU1900-0AF16-0QG0</b>	1	10 units
	I O II	--	B	<b>3SU1900-0AF16-0QK0</b>	1	10 units
	I O	--	B	<b>3SU1900-0AF16-0QP0</b>	1	10 units
	(one below the other)					
	II O I	--	B	<b>3SU1900-0AF16-0QQ0</b>	1	10 units
	(one below the other)					

**With symbol (graphic)**



3SU1900-0AF16-0RW0






Black/White (label/lettering)	→	ARROW DIRECTION TO RIGHT	5022 IEC	▶	<b>3SU1900-0AF16-0QR0</b>	1	10 units
		PUMP	0134 ISO	B	<b>3SU1900-0AF16-0RD0</b>	1	10 units
		FAN	--	B	<b>3SU1900-0AF16-0RV0</b>	1	10 units
		COOLING	--	B	<b>3SU1900-0AF16-0RW0</b>	1	10 units
		ILLUMINATION	--	B	<b>3SU1900-0AF16-0RX0</b>	1	10 units
		MOTOR	--	B	<b>3SU1900-0AF16-0RY0</b>	1	10 units

# SIRIUS ACT Pushbuttons and Indicator Lights

## Accessories

### Labels

#### Labeling plates for enclosures

Color	Marking	Symbol No.	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Labeling plates 22 mm x 22 mm</b>						
<b>For self-inscription</b>						
	Silver/Black (label/lettering)	None	--	A	<b>3SU1900-0AF81-0AA0</b>	100 10 units
3SU1900-0AF81-0AA0						
<b>Inscription in English</b>						
	Silver/Black (label/lettering)	Stop	--	B	<b>3SU1900-0AF81-0DS0</b>	1 10 units
		Start	--	B	<b>3SU1900-0AF81-0DT0</b>	1 10 units
		Reset	--	B	<b>3SU1900-0AF81-0DU0</b>	1 10 units
		Test	--	B	<b>3SU1900-0AF81-0DV0</b>	1 10 units
		Open	--	B	<b>3SU1900-0AF81-0DW0</b>	1 10 units
		Hand O Auto	--	B	<b>3SU1900-0AF81-0DD0</b>	1 10 units
3SU1900-0AF81-0DU0						
						
3SU1900-0AF81-0DD0						
<b>With symbol (ON/OFF)</b>						
	Silver/Black (label/lettering)	O	5008 IEC	B	<b>3SU1900-0AF81-0QA0</b>	1 10 units
		I	5007 IEC	B	<b>3SU1900-0AF81-0QB0</b>	1 10 units
		II	--	B	<b>3SU1900-0AF81-0QC0</b>	1 10 units
		III	--	B	<b>3SU1900-0AF81-0QD0</b>	1 10 units
		O I	--	B	<b>3SU1900-0AF81-0QG0</b>	1 10 units
		I O II	--	B	<b>3SU1900-0AF81-0QK0</b>	1 10 units
		I O	--	B	<b>3SU1900-0AF81-0QP0</b>	1 10 units
		(one below the other)				
		II O I	--	B	<b>3SU1900-0AF81-0QQ0</b>	1 10 units
		(one below the other)				
3SU1900-0AF81-QK0						
<b>With symbol (graphic)</b>						
	Silver/Black (label/lettering)	→ ARROW DIRECTION TO RIGHT	5022 IEC	B	<b>3SU1900-0AF81-0QR0</b>	1 10 units
3SU1900-0AF81-0QR0						

## Options

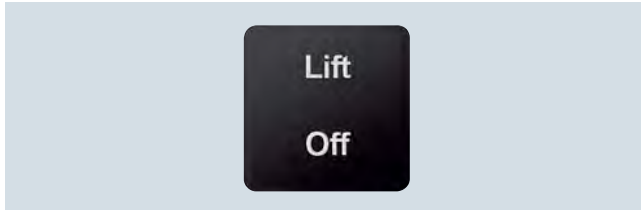
### Customized inscriptions

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

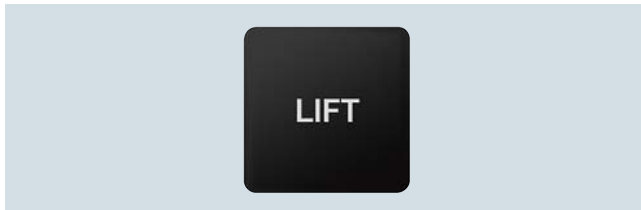
A letter height of 4 mm is used for text inscriptions (1 to 3 lines).

Up to 11 characters per line are possible. The typeface used is Arial. Other letter heights and typefaces are possible, but must be specified when ordering.

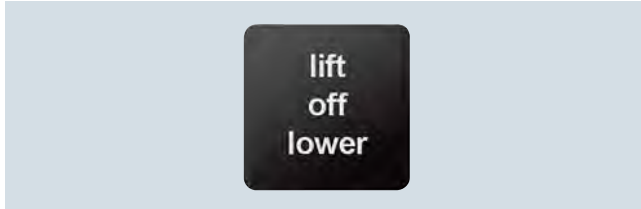
#### Examples for customized inscription



Two-line inscription in upper/lower case lettering (Q0Y)



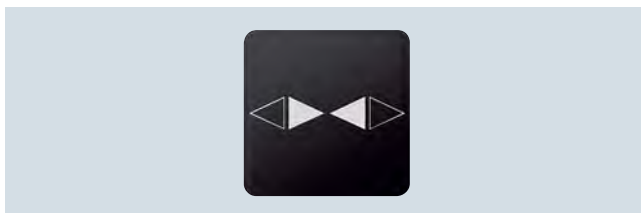
Single-line inscription in upper case lettering (Q1Y)



3SB39 backing plate for enclosures, customized inscription (Q2Y)



Symbol number 5011 according to IEC 60417 (Q3Y)



Any symbol according to order form supplement (Q9Y)

### Ordering notes

Append the following order codes to the Order No.:

- Text line(s) in upper/lower case, upper case always for beginning of line (e.g. "Lift / Off"): **Q0Y**
- Text line(s) in upper case (e.g. "LIFT"): **Q1Y**
- Text line(s) in lower case (e.g. "lift / off / lower"): **Q2Y**
- Text line(s) in upper/lower case, all words begin with upper case letters (e.g. "On Off"): **Q5Y**
- Symbol with number according to ISO 7000 or IEC 60417: **Q3Y**
- Any inscription or symbol according to order form supplement: **Q9Y**

When ordering, specify the required inscription in plain text in addition to the article number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language.

In the case of multi-line inscriptions, the text must be assigned to the respective line, e.g. "Z1 = Lift, Z2 = Lower". For long words you can also specify the end-of-line division (see ordering example 1).

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

For special symbols (order code Q9Y), a CAD drawing in DXF format can be submitted.

The SIRIUS ACT Configurator must be used to select special inscriptions and symbols (order code Q9Y). In this case a "CIN" (Configuration Identification Number) is generated for placement of future orders. It is then possible to place an order directly using the CIN and the SIRIUS ACT Configurator (Mall shopping cart) or via the standard order channels.

Standard ordering channels:

- Configurator: [www.siemens.com/sirius-act/configurator](http://www.siemens.com/sirius-act/configurator)
- Electronic Catalog CA 01 on DVD
- Industry Mall: [www.usa.siemens.com/industrymall](http://www.usa.siemens.com/industrymall)

#### Ordering example 1

A label with 2 lines of text is required:

3SU1900-0AF16-0AZ0  
Q1Y  
Z1 = LIFT  
Z2 = LOWER

#### Ordering example 2

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

3SU1900-0AF16-0AZ0  
Q3Y  
Z = 5011 IEC

#### Ordering example 3

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

3SU1900-0AF16-0AZ0  
Q3Y  
Z = 1118 ISO

# SIRIUS ACT Pushbuttons and Indicator Lights

## Accessories

### Labels

#### Labels for laser printers

#### Overview

##### Label inscriptions



Using the *Label Designer* software, which can be downloaded from the Internet, and the labeling plates for laser inscription you can create your own customized labels with a standard laser printer. The self-adhesive or snap-on labels can be stuck or snapped onto the corresponding label holders. Round labels are provided for inserting in illuminated pushbuttons and switches.

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








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

For the *Label Designer* software see: [www.siemens.com/sirius-label-designer](http://www.siemens.com/sirius-label-designer)

#### Selection and ordering data

	Fastening method	Height mm	Width mm	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Labels for printing - insert labels</b>							
	Insert	--	--	B	<b>3SU1900-0BH60-0AA0</b>	100	480 units
3SU1900-0BH60-0AA0							
<b>Labels for printing - labeling plates</b>							
	Self-adhesive	12.5	27.5	A	<b>3SU1900-0BJ61-0AA0</b>	100	480 units
		17.5	27	A	<b>3SU1900-0BK61-0AA0</b>	100	720 units
		27	27	A	<b>3SU1900-0BL61-0AA0</b>	100	480 units
		22	22	A	<b>3SU1900-0BM61-0AA0</b>	100	700 units
3SU1900-0BJ61-0AA0							

Selection and ordering data


	Color	Fastening method	Outer diameter mm	Marking	DT	Order No.	PU (UNIT, SET, M)	PS*	
<b>EMERGENCY STOP backing plates</b>									
	Yellow/Black (label/lettering)	None	45	None	A	<b>3SU1900-0BA31-0AA0</b>	1	10 units	
			75	None	A	<b>3SU1900-0BB31-0AA0</b>	1	10 units	
<b>EMERGENCY STOP backing plates</b>									
	Yellow/Black (label/lettering)	Self-adhesive	75	None EMERGENCY STOP	▶	<b>3SU1900-0BC31-0AA0</b>	1	10 units	
					▶	<b>3SU1900-0BC31-0DA0</b>	1	10 units	
				NOT-HALT, EMERGENCY STOP, EMERGENZA, EMERGENCIA (de, en, it, sp)	A	<b>3SU1900-0BC31-0NB0</b>	1	10 units	
<b>Labeling plates for potentiometers</b>									
	Black/White (label/lettering)	None	40	-- SYMBOL: 0 ... 9 SYMBOL: Power up	A	<b>3SU1900-0BG16-0AA0</b>	1	10 units	
					B	<b>3SU1900-0BG16-0RT0</b>	1	10 units	
					B	<b>3SU1900-0BG16-0RU0</b>	1	10 units	
<b>Labeling plates for enclosures with EMERGENCY STOP</b>									
	Yellow/Black (label/lettering)	Self-adhesive	38	150	None	A	<b>3SU1900-0BE31-0AA0</b>	1	10 units
<b>Labeling plates for enclosures with EMERGENCY STOP with recess</b>									
	Yellow/Black (label/lettering)	Self-adhesive	38	150	None	B	<b>3SU1900-0BF31-0AA0</b>	1	10 units
<b>Unit labeling plates</b>									
	White/Black (label/lettering)	Insert	9.5	10.5	None	B	<b>3SU1900-0AY61-0AA0</b>	100	10 units

# SIRIUS ACT Pushbuttons and Indicator Lights

## Accessories





### Protection/access protection

#### Selection and ordering data

Product version	Material	Color	DT	Order No.	PU (UNIT, SET, M)	PS*	
<b>Protective caps</b>							
	<b>Sealable caps</b>	Plastic	Black Clear	B	<b>3SU1900-0DA10-0AA0</b>	1	1 unit
					<b>3SU1900-0DA70-0AA0</b>	1	1 unit
3SU1900-0DA10-0AA0							
	<b>Sealable caps for pushbuttons</b>	Plastic	Black Clear	B	<b>3SU1900-0EL10-0AA0</b>	1	1 unit
					<b>3SU1900-0EL70-0AA0</b>	1	1 unit
3SU1900-0EL70-0AA0							
	<b>Silicone protective caps for pushbuttons, flat</b>	Plastic	Clear	A	<b>3SU1900-0DB70-0AA0</b>	1	1 unit
					<b>3SU1900-0ED70-0AA0</b>	1	1 unit
3SU1900-0DB70-0AA0							
	<b>Silicone protective caps for pushbuttons, raised</b>	Plastic	Clear	A	<b>3SU1900-0DC70-0AA0</b>	1	1 unit
					<b>3SU1900-0EE70-0AA0</b>	1	1 unit
3SU1900-0DC70-0AA0							
	<b>Silicone protective caps for selectors, short</b>	Plastic	Clear	B	<b>3SU1900-0DD70-0AA0</b>	1	1 unit
					<b>3SU1900-0EF70-0AA0</b>	1	1 unit
3SU1900-0DD70-0AA0							
	<b>Silicone protective caps for mushroom pushbuttons 40 mm</b>	Plastic	Clear	B	<b>3SU1900-0DE70-0AA0</b>	1	1 unit
					<b>3SU1900-0EG70-0AA0</b>	1	1 unit
3SU1900-0DE70-0AA0							
	<b>Silicone protective caps for EMERGENCY STOP</b>	Plastic	Clear	B	<b>3SU1900-0DF70-0AA0</b>	1	1 unit
					<b>3SU1900-0EH70-0AA0</b>	1	1 unit
3SU1900-0DF70-0AA0							








Protection/access protection








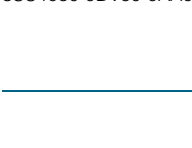
Product version	Material	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Protective caps</b>						
 3SU1900-0DG70-0AA0	<b>Silicone protective caps for twin pushbuttons, flat</b>	Plastic	Clear	▶	<b>3SU1900-0DG70-0AA0</b>	1 1 unit
	<b>Silicone protective caps for twin pushbuttons, raised</b>	Plastic	Clear	B	<b>3SU1900-0DH70-0AA0</b>	1 1 unit
	<b>Silicone-free protective caps for twin pushbuttons, raised</b>	Plastic	Clear	B	<b>3SU1900-0EK70-0AA0</b>	1 1 unit
 3SU1900-0EB10-0AA0	<b>Dust caps for key-operated switches</b>	Plastic	Black	B	<b>3SU1900-0EB10-0AA0</b>	1 1 unit
<b>Protective collars</b>						
 3SU1900-0DJ10-0AA0	<b>Sun collars</b>	Plastic	Black	B	<b>3SU1900-0DJ10-0AA0</b>	1 1 unit
 3SU1900-0DW10-0AA0	<b>360° protective collars for pushbuttons and selectors, short</b>	Plastic	Black	B	<b>3SU1900-0DW10-0AA0</b>	1 1 unit

# SIRIUS ACT Pushbuttons and Indicator Lights

## Accessories

### Protection/access protection

Product version	Material	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Protective collars</b>						
 3SU1950-0DK80-0AA0	<b>360° protective collars for pushbuttons, visibility from the side</b>	Metal	Silver	B	<b>3SU1950-0DK80-0AA0</b>	1 1 unit
 3SU1950-0DL80-0AA0	<b>360° protective collars for mushroom pushbuttons 40 mm, visibility from the side</b>	Metal	Silver	B	<b>3SU1950-0DL80-0AA0</b>	1 1 unit
 3SU1900-0DY30-0AA0	<b>Protective collars for EMERGENCY STOP</b>	Plastic	Yellow Silver	▶ ▶	<b>3SU1900-0DY30-0AA0</b> <b>3SU1900-0DY80-0AA0</b>	1 1 unit 1 1 unit
 3SU1950-0DX30-0AA0	<b>Protective collars for padlocks</b>	Metal	Yellow Silver	B B	<b>3SU1950-0DX30-0AA0</b> <b>3SU1950-0DX80-0AA0</b>	1 1 unit 1 1 unit
 3SU1900-0EA30-0AA0	<b>360° protective collars for EMERGENCY STOP, SEMI-Industry</b>	Plastic	Yellow	B	<b>3SU1900-0EA30-0AA0</b>	1 1 unit
 3SU1900-0EC10-0AA0	<b>Protection for sensor switch</b>	Plastic	Black	B	<b>3SU1900-0EC10-0AA0</b>	1 1 unit



Product version	Material	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Locking devices</b>						
	<b>Locking devices for pushbuttons</b> flat, for raised front ring and raised, castellated front ring	Metal	Silver	B	<b>3SU1950-0DM80-0AA0</b>	1 1 unit
3SU1950-0DM80-0AA0						
	<b>Locking devices for pushbuttons,</b> raised	Metal	Silver	B	<b>3SU1950-0DN80-0AA0</b>	1 1 unit
3SU1950-0DN80-0AA0						
	<b>Locking devices for mushroom</b> pushbuttons D30, D40	Metal	Silver	B	<b>3SU1950-0DP80-0AA0</b>	1 1 unit
3SU1950-0DP80-0AA0						
	<b>Locking devices for selectors</b> short/long actuator, in the left position	Metal	Silver	B	<b>3SU1950-0DQ80-0AA0</b>	1 1 unit
3SU1950-0DQ80-0AA0						
	<b>Locking devices for selectors</b> short/long actuator, in the center position	Metal	Silver	B	<b>3SU1950-0DR80-0AA0</b>	1 1 unit
3SU1950-0DR80-0AA0						
	<b>Locking devices for selectors</b> short/long actuator, in the right position	Metal	Silver	B	<b>3SU1950-0DS80-0AA0</b>	1 1 unit
3SU1950-0DS80-0AA0						
	<b>Locking devices for selectors</b> short/long actuator, window from center to right, blocked on left	Metal	Silver	B	<b>3SU1950-0DT80-0AA0</b>	1 1 unit
3SU1950-0DT80-0AA0						
	<b>Locking devices for selectors</b> short/long actuator, window from center to left, blocked on right	Metal	Silver	B	<b>3SU1950-0DU80-0AA0</b>	1 1 unit
3SU1950-0DU80-0AA0						
	<b>Covers for locking devices</b>	Metal	Silver	B	<b>3SU1950-0DV80-0AA0</b>	1 1 unit
3SU1950-0DV80-0AA0						

# SIRIUS ACT Pushbuttons and Indicator Lights



## Accessories



### Actuators

#### Selection and ordering data

	Material	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Sealing plugs<sup>1)</sup></b>						
	Plastic	Black	▶	<b>3SU1900-0FA10-0AA0</b>	1	1 unit
3SU1900-0FA10-0AA0						
	Metal, matte	Sand gray	A	<b>3SU1930-0FA80-0AA0</b>	1	1 unit
	Metal, shiny	Silver	A	<b>3SU1950-0FA80-0AA0</b>	1	1 unit
3SU1950-0FA80-0AA0						

<sup>1)</sup> The sealing plug is mounted with a holder.  
Modules might already be mounted on the holder.

	Material	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Buttons, flat</b>						
<b>For pushbuttons</b>						
	Plastic	Black	B	<b>3SU1900-0FT10-0AA0</b>	100	10 units
		Red	▶	<b>3SU1900-0FT20-0AA0</b>	100	10 units
		Yellow	B	<b>3SU1900-0FT30-0AA0</b>	100	10 units
		Green	▶	<b>3SU1900-0FT40-0AA0</b>	100	10 units
		Blue	B	<b>3SU1900-0FT50-0AA0</b>	100	10 units
		White	B	<b>3SU1900-0FT60-0AA0</b>	100	10 units
3SU1900-0FT20-0AA0						
<b>For illuminated pushbuttons</b>						
	Plastic	Amber	B	<b>3SU1901-0FT00-0AA0</b>	100	10 units
		Red	B	<b>3SU1901-0FT20-0AA0</b>	100	10 units
		Yellow	▶	<b>3SU1901-0FT30-0AA0</b>	100	10 units
		Green	▶	<b>3SU1901-0FT40-0AA0</b>	100	10 units
		Blue	B	<b>3SU1901-0FT50-0AA0</b>	100	10 units
		White	▶	<b>3SU1901-0FT60-0AA0</b>	100	10 units
		Clear	A	<b>3SU1901-0FT70-0AA0</b>	100	10 units
		3SU1901-0FT30-0AA0				

	Material	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Buttons, raised</b>						
<b>For pushbuttons</b>						
	Plastic	Black	B	<b>3SU1900-0FS10-0AA0</b>	1	10 units
		Red	B	<b>3SU1900-0FS20-0AA0</b>	1	10 units
		Yellow	B	<b>3SU1900-0FS30-0AA0</b>	1	10 units
		Green	B	<b>3SU1900-0FS40-0AA0</b>	1	10 units
3SU1900-0FS30-0AA0						
<b>For illuminated pushbuttons</b>						
	Plastic	Red	▶	<b>3SU1901-0FS20-0AA0</b>	1	10 units
		Yellow	B	<b>3SU1901-0FS30-0AA0</b>	1	10 units
		Green	B	<b>3SU1901-0FS40-0AA0</b>	1	10 units
		Blue	B	<b>3SU1901-0FS50-0AA0</b>	1	10 units
		Clear	B	<b>3SU1901-0FS70-0AA0</b>	1	10 units
		3SU1901-0FS40-0AA0				

	Material	Key number	RFID coding version	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Ronis keys</b>								
	Metal	SB30 455	--	Silver	▶ B	<b>3SU1950-0FB80-0AA0</b> <b>3SU1950-0FC80-0AA0</b>	1 1	1 unit 1 unit
3SSU1950-0FB80-0AA0								
<b>BKS keys</b>								
	Metal	S1	--	Silver	B	<b>3SU1950-0FD80-0AA0</b>	1	1 unit
3SSU1950-0FD80-0AA0								
<b>OMR keys</b>								
	Metal	73038	--	Blue	B	<b>3SU1950-0FJ50-0AA0</b>	1	1 unit
		73037		Red	B	<b>3SU1950-0FK20-0AA0</b>	1	1 unit
		73034		Black	B	<b>3SU1950-0FL10-0AA0</b>	1	1 unit
		73033		Yellow	B	<b>3SU1950-0FM30-0AA0</b>	1	1 unit
3SSU1950-0FJ50-0AA0								
<b>CES keys</b>								
	Metal	LSG1	--	Silver	B	<b>3SU1950-0FN80-0AA0</b>	1	1 unit
		SSG10			A	<b>3SU1950-0FP80-0AA0</b>	1	1 unit
		VL5			B	<b>3SU1950-0FQ80-0AA0</b>	1	1 unit
3SSU1950-0FP80-0AA0								
<b>IKON keys</b>								
	Metal	360012K1	--	Silver	B	<b>3SU1950-0FR80-0AA0</b>	1	1 unit
3SU1950-0FR80-0AA0								
<b>ID keys ID group individual</b>								
	Plastic	--	Individually coded, programmable several times	White	X	<b>3SU1900-0FU60-0AA0</b>	1	1 unit
3SU1900-0FU60-0AA0								
<b>ID keys</b>								
	Plastic	--	ID group 1	Green	X	<b>3SU1900-0FV40-0AA0</b>	1	1 unit
			ID group 2	Yellow	X	<b>3SU1900-0FW30-0AA0</b>	1	1 unit
			ID group 3	Red	X	<b>3SU1900-0FX20-0AA0</b>	1	1 unit
			ID group 4	Blue	X	<b>3SU1900-0FY50-0AA0</b>	1	1 unit
3SU1900-0FV40-0AA0								


# SIRIUS ACT Pushbuttons and Indicator Lights

## Accessories

### Enclosures

#### Selection and ordering data

Product version	Material	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Cable glands</b>						
 3SU1900-0HG10-0AA0	Plastic	Black	▶	<b>3SU1900-0HG10-0AA0</b>	1	1 unit
			B	<b>3SU1900-0HH10-0AA0</b>	1	1 unit
<b>For explosion protection (ATEX)</b>						
Ex category II 2D Ex tb IIIC T120 °C Db						
 3SU1900-0HG10-0AA1	Plastic	Black	B	<b>3SU1900-0HG10-0AA1</b>	1	1 unit
			B	<b>3SU1900-0HH10-0AA1</b>	1	1 unit
<b>Connection pieces</b>						
<b>For plastic enclosures</b>						
 3SU1900-0HJ10-0AA0	Plastic	Black	B	<b>3SU1900-0HJ10-0AA0</b>	1	1 unit
			B	<b>3SU1900-0HK10-0AA0</b>	1	1 unit
			B	<b>3SU1900-0HL10-0AA0</b>	1	1 unit
<b>For metal enclosures</b>						
 3SU1950-0HJ10-0AA0	Metal	Silver	B	<b>3SU1950-0HJ10-0AA0</b>	1	1 unit
			B	<b>3SU1950-0HK10-0AA0</b>	1	1 unit
			B	<b>3SU1950-0HL10-0AA0</b>	1	1 unit

Product version	Material	Color	DT	Insulation piercing method		PU (UNIT, SET, M)	PS*
					Order No.		

Adapters for AS-i shaped cables



3SU1900-0HX10-0AA0

Insulation piercing method M20 M25	Plastic	Black	B	3SU1900-0HX10-0AA0		1	1 unit
				3SU1900-0HY10-0AA0		1	1 unit

Adapters for AS-i tab connection



3SU1930-0HS10-0AA0

For plastic enclosures

M12 sockets, 4-pole M20 M25	Plastic	Black	B	3SU1930-0HA10-0AA0		1	1 unit
				3SU1930-0HB10-0AA0		1	1 unit
M12 connectors, 4-pole M20 M25			B	3SU1930-0HC10-0AA0		1	1 unit
				3SU1930-0HD10-0AA0		1	1 unit
M12 sockets, 5-pole M20 M25	Plastic	Black	B	3SU1930-0HP10-0AA0		1	1 unit
				3SU1930-0HQ10-0AA0		1	1 unit
M12 connectors, 5-pole M20 M25			B	3SU1930-0HR10-0AA0		1	1 unit
				3SU1930-0HS10-0AA0		1	1 unit
M12 sockets, 8-pole M20 M25	Plastic	Black	B	3SU1930-0HT10-0AA0		1	1 unit
				3SU1930-0HU10-0AA0		1	1 unit
M12 connectors, 8-pole M20 M25			B	3SU1930-0HV10-0AA0		1	1 unit
				3SU1930-0HW10-0AA0		1	1 unit



3SU1950-0HA10-0AA0

For metal enclosures

M12 sockets, 4-pole M20 M25	Metal	Black	B	3SU1950-0HA10-0AA0		1	1 unit
				3SU1950-0HB10-0AA0		1	1 unit
M12 connectors, 4-pole M20 M25			B	3SU1950-0HC10-0AA0		1	1 unit
				3SU1950-0HD10-0AA0		1	1 unit
M12 sockets, 5-pole M20 M25	Metal	Black	B	3SU1950-0HP10-0AA0		1	1 unit
				3SU1950-0HQ10-0AA0		1	1 unit
M12 connectors, 5-pole M20 M25			B	3SU1950-0HR10-0AA0		1	1 unit
				3SU1950-0HS10-0AA0		1	1 unit
M12 sockets, 8-pole M20 M25	Metal	Black	B	3SU1950-0HT10-0AA0		1	1 unit
				3SU1950-0HU10-0AA0		1	1 unit
M12 connectors, 8-pole M20 M25			B	3SU1950-0HV10-0AA0		1	1 unit
				3SU1950-0HW10-0AA0		1	1 unit

Enclosure cover monitoring



3SU1900-0HM10-0AA0

Enclosure cover monitoring (module with extension plunger)	Plastic	Black	B	3SU1900-0HM10-0AA0		1	1 unit
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# SIRIUS ACT Pushbuttons and Indicator Lights

## Accessories

### Miscellaneous accessories

#### Selection and ordering data

Product version	Material	Color	DT	Order No.	PU (UNIT, SET, M)	PS*
<b>Accessories</b>						
	<b>PCB carriers</b>	Plastic	Black	▶	<b>3SU1900-0KA10-0AA0</b>	1 10 units
3SU1900-0KA10-0AA0						
	<b>Pressure plates for selectors and locks</b>	Plastic	White	▶	<b>3SU1900-0KC10-0AA0</b>	1 10 units
3SU1900-0KC10-0AA0						
	<b>Connection kits, standard slave</b>	Plastic	Black	B	<b>3SU1900-0KD10-0AA0</b>	1 1 unit
	<b>ASI-F-slave</b>	Plastic	Black	B	<b>3SU1900-0KE10-0AA0</b>	1 1 unit
	<b>Drilling template for 30 x 40 grid, horizontal</b>	Plastic	Black	B	<b>3SU1900-0KF10-0AA0</b>	1 1 unit
3SU1900-0KF10-0AA0						
	<b>Extension plungers</b> For compensation of the distance between the pushbutton and the unlatching button of an overload relay	Plastic	Black	A	<b>3SU1900-0KG10-0AA0</b>	1 1 unit
3SU1900-0KG10-0AA0						
	Adapters for actuators and indicators with front ring for flat mounting	Metal	Silver	A	<b>3SU1950-0KJ80-0AA0</b>	1 1 unit
3SU1950-0KJ80-0AA0						
	Adapters for mounting hole 30.5 mm For mounting 22.5 mm pushbuttons and indicator lights	Metal	Silver	▶	<b>3SU1950-0KB10-0AA0</b>	1 1 unit
	Grounding studs	Metal	Silver	B	<b>3SU1950-0KK80-0AA0</b>	100 50 units
3SU1950-0KK80-0AA0						
	Connectors for sensor switches	Metal	Black	B	<b>3SU1900-0KL10-0AA0</b>	100 50 units
3SU1900-0KL10-0AA0						



### Approvals, test certificates, characteristic curves

An overview of the certificates available for Industrial Control products along with more technical documentation can be consulted daily on the Internet at:

[www.siemens.com/sirius/approvals](http://www.siemens.com/sirius/approvals)

The screenshot shows the Siemens Industrial Controls website interface. The left sidebar contains a navigation tree with categories like Drive Technology, Automation Technology, and Industrial Controls. The main content area displays a list of certificates with columns for Title and Date. The filter settings are set to 'Certificates' and 'at' for both Certificate and Country.

Title	Date
<b>Certificates General Product Approval, Manufacturer declaration, Manufacturer Manufacturers Declaration, 3141</b> for products: 3R24 more>>	2012-12-03 ID: 86584361
<b>Certificates General Product Approval, Manufacturer declaration, Manufacturer Manufacturers Declaration, 3142</b> for products: 3R24 more>>	2012-12-03 ID: 86584371
<b>Certificates Test Certificates, Special Test Certificate, Manufacturer Test Certificate, 2988</b> for products: 3RV2 more>>	2012-11-30 ID: 44511423
<b>Certificates General Product Approval, UL, UL Certificate of Compliance, 20120928-E146896</b> for products: 8VD53424344 more>>	2012-11-30 ID: 9730478
<b>Certificates General Product Approval, CCC, CCC 200901305329583</b> for products: 3RK31 more>>	2012-11-28 ID: 41461771
<b>Certificates Declaration of Conformity, Manufacturer Low Voltage- EMC Directive, 2492</b> for products: 3RS10, 3RS11, 3RS20, 3RS21 more>>	2012-11-26 ID: 2602127
<b>Certificates Declaration of Conformity, Manufacturer 2851</b> for products: 3RV106, 3RV136, 3RV19 more>>	2012-11-26 ID: 28043570
<b>Certificates Declaration of Conformity, Manufacturer 2852</b> for products: 3RV107, 3RV137, 3RV19 more>>	2012-11-26 ID: 28044029
<b>Certificates Declaration of Conformity, EC-Declaration of Conformity,</b>	2012-11-26

Product support: Approvals/certificates

The screenshot shows the Siemens Industrial Controls website interface with the filter settings changed to 'Characteristics'. The main content area displays a list of characteristics with columns for Title and Date.

Title	Date
<b>Characteristics Tripping Characteristics, A5E02567349A [903 KB]</b> I <sub>t</sub> -characteristic 0.7 - 1.0 A for products: 3RA2 <sup>1</sup> -QJ <sup>15</sup> more>>	2012-04-23 ID: 1873064
<b>Characteristics Tripping Characteristics, NEP560097002000DS02 [934 KB]</b> Overload tripping class 20E 0.1 - 0.4 A for products: 3RA6120-QAB30; 3RA6120-QAE30; 3RA6120-QAP30; more>>	2008-05-06 ID: 29215549
<b>Characteristics Tripping Characteristics, NEP_360286502000DS02 [938 KB]</b> Overload tripping Sirius class 10E 0.1 - 0.4 A for products: 3RA6120-QAB30; 3RA6120-QAE30; 3RA6120-QAP30; more>>	2008-05-06 ID: 29218112
<b>Characteristics Tripping Characteristics, NEP5600971000DS01 [933 KB]</b> Overload tripping class 20E 0.32 - 1.25 A for products: 3RA6120-QBB30; 3RA6120-QBE30; 3RA6120-QBP30; more>>	2008-05-06 ID: 29216960
<b>Characteristics Tripping Characteristics, NEP560096602000DS02 [930 KB]</b> Overload tripping Sirius class 10E 0.32 - 1.25 A for products: 3RA6120-QBB30; 3RA6120-QBE30; 3RA6120-QBP30; more>>	2008-05-06 ID: 29218715
<b>Characteristics Tripping Characteristics, NEP560096702000DS02 [881 KB]</b> Overload tripping Sirius class 10 E 1 - 4 A for products: 3RA6120-QCB30; 3RA6120-QCE30; 3RA6120-QCP30; more>>	2008-05-06 ID: 29216776
<b>Characteristics Tripping Characteristics, NEP5600972000DS01 [963 KB]</b> Overload tripping class 20E 1 - 4 A for products: 3RA6120-QCB30; 3RA6120-QCE30; 3RA6120-QCP30; more>>	2008-09-17 ID: 29217290
<b>Characteristics Tripping Characteristics, NEP5600973000DS01 [877 KB]</b>	2008-05-06

Product support: Characteristics

### Safety characteristics

In the following standards, the so-called B10 values for calculating the safety integrity or safety integrity level (SIL) in functional safety at a high or continuous demand rate are required also for electromechanical switchgear:

- IEC 62061 "Safety of machines – Functional safety of safety-related electrical, electronic and programmable electronic control systems",
- ISO 13849-1 "Safety of machines – Safety-related components of controls – Part 1: General principles".

Failure rates of electromechanical components are required for calculating the safety integrity or safety integrity level (SIL) in functional safety:

- in the manufacturing industry at a high demand rate
- in the process industry at a low demand rate

Further requirements are laid down in IEC 61511-1 "Functional safety – Safety instrumented systems for the process industry sector – Part 1: Framework, definitions, system, hardware and software requirements".

The German versions of the above standards are:

- EN 62061 (VDE 0113-50), 2005 + AMD 1:2013, which since 31.12.2005 has been harmonized as EN 62061 under the Machinery Directive
- EN ISO 13849-1:2008
- EN 61511-1 (VDE 810-1)

The TÜV-tested Safety Evaluation Tool assists in calculating the safety function as verification for the machine documentation. It is available on the Internet at [www.siemens.com/safety-evaluation-tool](http://www.siemens.com/safety-evaluation-tool).

At [www.siemens.com/safety-integrated](http://www.siemens.com/safety-integrated) you will also find examples of functions with calculations according to the current standards.

### Definitions

$\lambda(t) dt$  is the probability that a unit which has not failed by a certain time  $t$  will fail in the following interval  $(t; t + dt)$ . Failure rates have the dimension 1/time unit, e.g. 1/h. Failure rates for components are often specified in FIT (failures in time unit): 1 FIT equals  $10^{-9}$ /h.

From the failure rate it is possible to derive a (mathematical) distribution function of the failure probability:

$F(t) = 1 - \exp(-\lambda t)$ , with  $\lambda$  as constant failure rate

- The mean value of this exponential distribution is also referred to as:
  - Mean Time To Failure (MTTF) in the case of irreparable components; 63.2 % of components fail by the MTTF.
  - Mean Operating Time Between Failures (MTBF) in the case of repairable components.
- MTTF =  $1/\lambda$   
(MTTF is a statistical mean value but no guarantee for endurance)

Electromechanical components are often irreparable components. In general, the failure rate of monitored units changes with age.

## Standards and approvals

The B10 value for devices subject to wear is expressed in number of operating cycles:

- it is the number of operating cycles after which 10 % of the test specimens fail in the course of an endurance test (or: the number of operating cycles after which 10 % of the devices have failed).

For low demand rates (mainly in the process industry), the failure rate and not the B10 value is used to determine the failure probability.

### Standard B10 values at a high demand rate

With the help of the B10 value and a simplified formula (see section 6.7.8.2.1 of EN 62061), the user can then calculate the total failure rate of an electromechanical component:

$$\lambda = 0.1 \times C/B10$$

with C = operating cycles per hour. C is specified by the user.

The failure rate is made up of safe ( $\lambda_S$ ) and dangerous ( $\lambda_D$ ) failures:

$$\lambda = \lambda_S + \lambda_D$$

or

$$\lambda_D = [\text{share of dangerous failures in \%}] \times \lambda$$

$$\lambda_S = [\text{share of safe failures in \%}] \times \lambda$$

The failure rate of the dangerous failures  $\lambda_D$  of the components used is needed for further calculations.

Listed in the following table are the standard B10 values and the share of dangerous failures for SIRIUS product groups at a high demand rate.

Standard B10 values (at a high demand rate)		
SIRIUS ACT product group (electromechanical components)	Standard B10 value <sup>1)</sup> (operating cycles)	Share of dangerous failures
3SU1 EMERGENCY-STOP mushroom pushbuttons (with positive-opening contacts)	100 000	20 %
3SU1 pushbuttons (non-latching, with positive-opening contacts)	10 000 000	20 %

<sup>1)</sup> Only applies under the conditions specified in the technical specifications.

The B10<sub>d</sub> value used in EN ISO 13849-1:2008 is determined as follows:

$$B10_d = \frac{B10}{\text{Share of dangerous failures}}$$

### Calculation example

A protective door is monitored by a position switch with a separate actuator.

The protective door is opened 4 times an hour.

The overall failure rate of the position switch is:

$$\lambda = 0.1 \cdot C/B10 \text{ [failures/h]}$$

$$\lambda = 0.1 \cdot 4/1000000 = 4 \cdot 10^{-7} \text{ [failures/h]}$$

The dangerous failure rate is calculated with:

$$\lambda_D = 20 \% \text{ of } \lambda = 0.2 \cdot 4 \cdot 10^{-7} \text{ [failures/h]}$$

$$\lambda_D = 8 \cdot 10^{-8} \text{ [failures/h]}$$

### Standard failure rates (at a low demand rate)

On the basis of the failure rates, it is possible to calculate the average probability of failure on demand (PFD<sub>avg</sub>) of a PLT protective device.

A so-called low demand rate is assumed, meaning the rate of demand on the safety-related system amounts to no more than once a year and is not greater than double the frequency of the repeat test.

A repeat test once a year is recommended for electromechanical components in order to reveal passive faults.

For special applications it is possible, in agreement with the inspecting institution (e.g. a technical inspectorate, government agency or the like) to extend the test intervals by using suitable solutions (e.g. a multi-channel version etc.).

Listed in the following table are the standard failure rates and the share of dangerous failures for SIRIUS product groups at a low demand rate.

Standard failure rates at a low demand rate		
SIRIUS ACT product group (electromechanical components)	Standard failure rates (in FIT) <sup>1)</sup>	Share of dangerous failures
3SU1 EMERGENCY-STOP mushroom pushbuttons (with positive-opening contacts)	100	20 %
3SU1 pushbuttons (non-latching, with positive-opening contacts)	100	20 %

<sup>1)</sup> The failure rates specified in the table were limited to 100 FIT.

## Standards

IEC	EN	Title
60947-1 60947-2 60947-3	60947-1 60947-2 60947-3	Low-voltage switchgear and controlgear: General rules • Circuit-breakers • Switches, disconnectors, switch-disconnectors and fuse-combination units
60947-4-1 60947-4-2 60947-4-3	60947-4-1 60947-4-2 60947-4-3	• Contactors and motor starters - Electromechanical contactors and motor starters • Contactors and motor-starters - AC semiconductor motor controllers and starter • Contactors and motor-starters - AC semiconductor controllers and contactors for non-motor loads
60947-5-1 60947-5-2 60947-5-3	60947-5-1 60947-5-2 60947-5-3	• Control circuit devices and switching elements - Electromechanical control circuit devices • Control circuit devices and switching elements - Proximity switches • Control circuit devices and switching elements - Requirements for proximity devices with defined behaviour under fault conditions (PDDb)
60947-5-5 60947-5-6 60947-5-7 60947-5-8 60947-5-9	60947-5-5 60947-5-6 60947-5-7 60947-5-8 60947-5-9	• Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function • Control circuit devices and switching elements - DC interface for proximity sensors and switching amplifiers (NAMUR) • Control circuit devices and switching elements - Requirements for proximity devices with analogue output • Control circuit devices and switching elements - Three-position enabling switches • Control circuit devices and switching elements - Flow rate switches
60947-6-1 60947-6-2	60947-6-1 60947-6-2	• Multiple function equipment - Transfer switching equipment • Multiple function equipment - Control and protective switching devices (or equipment) (CPS)
60947-7-1 60947-7-2 60947-7-3 60947-7-4	60947-7-1 60947-7-2 60947-7-3 --	• Ancillary equipment - Terminal blocks for copper conductors • Ancillary equipment - Protective conductor terminal blocks for copper conductors • Ancillary equipment - Safety requirements for fuse terminal blocks • Ancillary equipment - PCB terminal blocks for copper conductors
60947-8	60947-8	• Control units for built-in thermal protection (PTC) for rotating electrical machines
62026-2	50295	• Actuator sensor interface (AS-i)
60269-1 60269-4	60269-1 60269-4	Low-voltage fuses: General requirements Low-voltage fuses: Supplementary requirements for fuse-links for the protection of semiconductor devices
60050-441	--	International Electrotechnical Vocabulary. Switchgear, controlgear and fuses
61439-1 61439-2 61439-3	61439-1 61439-2 61439-3	Low-voltage switchgear and controlgear assemblies: General rules Low-voltage switchgear and controlgear assemblies: Power switchgear and controlgear assemblies Low-voltage switchgear and controlgear assemblies: Distribution boards intended to be operated by ordinary persons (DBO)
61439-4	61439-4	Low-voltage switchgear and controlgear assemblies: Particular requirements for assemblies for construction sites (ACS)
61439-5 61439-6 --	61439-5 61439-6 50274	Low-voltage switchgear and controlgear assemblies: Assemblies for power distribution in public networks Low-voltage switchgear assemblies - Part 6: Busbar trunking systems (busways) Low-voltage switchgear and controlgear assemblies - Protection against electric shock - Protection against unintentional direct contact with hazardous live parts
61140	61140	Protection against electric shock - Common aspects for installation and equipment
60664-1	60664-1	Insulation coordination for electrical equipment in low-voltage systems: Principles, requirements and tests
60204-1 -- 60079-14 60079-2	60204-1 50178 60079-14 60079-2	Safety of machinery – Electrical equipment of machines: General requirements Electronic equipment for use in power installations Electrical apparatus for explosive gas atmospheres: Electrical installations in hazardous areas (other than mines) Electrical apparatus for explosive gas atmospheres: Pressurized Enclosures "p"
61810-1 61812-1	61810-1 61812-1	Electromechanical elementary relays: General requirements Time relays for industrial and residential use: Requirements and tests
60999-1	60999-1	Connecting devices - Electrical copper conductors - Safety requirements for screw-type and screwless-type clamping units: General requirements and particular requirements for clamping units for conductors from 0,2 mm <sup>2</sup> up to 35 mm <sup>2</sup> (included)
60999-2	60999-2	Connecting devices - Electrical copper conductors - Safety requirements for screw-type and screwless-type clamping units: Particular requirements for clamping units for conductors above 35 mm <sup>2</sup> up to 300 mm <sup>2</sup> (included)
61000-4-1	61000-4-1	Electromagnetic compatibility (EMC): Testing and measuring techniques - Overview of IEC 61000-4 series
61000-6-2 61000-6-3	61000-6-2 61000-6-3	Electromagnetic compatibility (EMC): Generic standards - Immunity for industrial environments Electromagnetic compatibility (EMC): Generic standards - Emission standard for residential, commercial and light-industrial environments
61000-6-4	61000-6-4	Electromagnetic compatibility (EMC): Generic standards - Emission standard for industrial environments
61869-1	61869-1	Instrument transformers: General requirements
61869-2	61869-2	Instrument transformers: Additional requirements for current transformers

## Appendix

### Standards and approvals

UL	CSA C22.2	ASME	JIS	Title
508	--	--	--	Industrial control equipment
60947-1	No. 60947-1	--	--	Low-voltage switchgear and controlgear - Part 1: General rules
60947-4-1A	No. 60947-4-1	--	--	Low-voltage switchgear and controlgear - Part 4-1: Contactor and motor starters - Electromechanical contactors and motor starters
60947-4-2	No. 60947-4-2	--	--	Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - AC semiconductor motor controllers and starters
60947-5-1	No. 60947-5-1	--	--	Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices
489	No. 5	--	--	Molded case circuit breakers, molded case switches, and circuit breaker enclosures
1012	--	--	--	Power units other than CLASS 2
1059	--	--	--	Terminal blocks
486A-486B	--	--	--	Wire connectors
486E	--	--	--	Equipment wiring terminals for use with aluminum and/or copper conductors
50	--	--	--	Enclosures for electrical equipment. Non-environmental considerations
50E	--	--	--	Enclosures for electrical equipment - Environmental considerations
--	No. 14	--	--	Industrial control equipment
--	No. 107-1	--	--	General use power supplies
--	--	A17.5 / B 44.1	--	Elevator and escalator electrical equipment
--	--	--	C 8201-4-1	Low-voltage switchgear and controlgear; Contactors and motor-starters

### Approval requirements valid in different countries

Siemens low-voltage switchgear and controlgear are designed, manufactured and tested according to the relevant German standards (DIN and VDE), IEC publications and European standards (EN) as well as CSA and UL standards. The standards assigned to the single devices are stated in the relevant parts of this catalog.

As far as is economically viable, the requirements of the various standards valid in other countries are also taken into account in the design of the equipment.

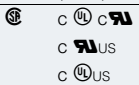



In some countries an approval is required for certain low-voltage switchgear and controlgear components, (see table below). Depending on the market requirements, these components have been submitted for approval to the authorized testing institutes.

In some cases, CSA for Canada and UL for the USA only approve special switchgear versions. Such special versions are listed separately from the standard versions in the individual parts of this catalog.

For this equipment, partial limitations of the maximum permissible voltages, currents and ratings can be imposed, or special approval and, in some cases, special identification is required.

For use on board ship, the specifications of the marine classification societies must be observed (see table below). In some cases, they require type tests of the components to be approved.

### Testing bodies, approval identification and approval requirements

Country	Canada <sup>1)</sup>	USA <sup>1)</sup>	China	Russia / Belarus / Kazakhstan
<b>Government-appointed or private, officially recognized testing bodies</b>	CSA UL (USA)	UL	CQC	Official national regulation / TR
<b>Mark of conformity</b>				
<b>Approval requirement</b>	+	+	+	+
<b>Remarks</b>	UL and CSA are authorized to grant approval certificates in accordance with Canadian and North American regulations. Please note: These approvals are not recognized in many cases and must be covered by additional approvals issued by the national testing agency.		CCC	Customs union

For more information about the approval marks, see 125.

<sup>1)</sup> For guide numbers and file numbers for approvals, please visit [www.siemens.com/automation/support](http://www.siemens.com/automation/support) and select "Product Support".

### Marine classification societies


Country	Germany	United Kingdom	France	Norway	CIS	Italy	Poland	USA
<b>Name</b>	Germanischer Lloyd	Lloyds Register of Shipping	Bureau Veritas	Det Norske Veritas	Russian Maritime Register of Shipping	Registro Italiano Navale	Polski Rejestr Statków	American Bureau of Shipping
<b>Codes</b>	GL <sup>1)</sup>	LRS	BV	DNV <sup>1)</sup>	RMRS	RINA	PRS	ABS

<sup>1)</sup> DNV and GL have merged and call themselves the DNV/GL Group.

### CE marking

Manufacturers of products which fall within the subject area to which EC directives apply must identify their products, operating instructions or packaging with a CE mark of conformity.

By attaching the CE marking, the manufacturer confirms that the product conforms to the relevant basic requirements of all directives applicable to the product. The mark of conformity is a mandatory requirement for putting products into circulation throughout the EC.

All the products in this catalog are in conformance with the relevant specific EC directives and bear the CE mark of conformity .

- Low-voltage directive
- EMC directive
- Machinery directive
- Ex protection directive

### ALPHA/LOVAG

Siemens AG sits in the ALPHA committee of "ALPHA im VDE".

The responsibility of manufacturers and the high quality of products are promoted by "ALPHA im VDE" by means of supportive procedural guidelines for testing equipment according to the currently valid standards.

Providing specific conditions are fulfilled, "ALPHA im VDE" can also issue officially recognized product certificates if required. As a member of LOVAG, "ALPHA im VDE" is also working towards obtaining international recognition for declarations of conformity and certificates.

LOVAG (Low-Voltage Agreement Group) is a body comprising international specialists from certification bodies and industry who are working together to create a standardized European certificate.

#### List of LOVAG members

SGS BELGIUM NV	Belgium
Division SGS CEBEC	
ALPHA in VDE	Germany
ASEFA	France
ACAE	Italy
IMQ S.p.A	
Intertek Semko AB	Sweden
APPLUS + CTC	Spain



### Accident prevention

Test certificates and approvals from IFA (institute for occupational safety and health of the German social accident insurance), SUVA (Swiss institute for accident prevention), BG ETEM (German trade association for energy, textiles, electrical goods and media products) and VDE are available for some devices in safety control systems. For details, [see the respective product descriptions](#).

### Ex protection certificates for SIRIUS controls

Motor protection devices that protect a motor installed in a potentially explosive atmosphere against overloading must comply with certain special requirements. These requirements are laid down in the following standards:

- EN 60079-0
- EN 60079-1
- EN 60079-7
- EN 60079-14
- EN 60079-17
- EN 60947-1
- EN 60947-4-1
- EN 60947-5-1
- EN 60947-8

### Certification

July 1, 2003 saw the dawning of a new era in the field of explosion protection. Since this date, only those devices and protection systems that have been certified for operation in potentially explosive atmospheres according to directive 94/9/EC can be brought into circulation within the European Union.

Only those motor protection devices that have been constructed according to the above-mentioned standards and which have a declaration of conformity from the manufacturer based on a prototype test certificate may be brought into circulation within the member states of the EC.

The quality management system of the manufacturer is also subjected to certain requirements and a "QM certificate" must be obtained for the manufacturer from a recognized authority.

### Certification of the QM system

A certificate of approval for quality assurance production has been issued by DEKRA EXAM GmbH<sup>1)</sup> with the number BVS 11 ATEX ZQS/E111 of DEKRA EXAM GmbH<sup>1)</sup> according to Directive 94/9/EC.

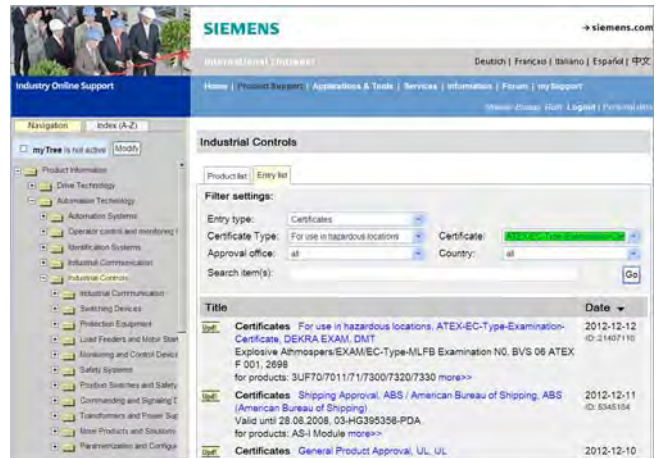
This certificate is valid for equipment groups I and II and categories M2 and 2: Safety and control devices for electrical equipment.

### Certificates

For the 3RV, 3RU, 3RB, 3UF, 3RN and 3RW motor protection devices, the corresponding declarations of conformity and prototype test certificates for Category 2D, 2G, and in some cases M2, are available and can be supplied on request.

Declarations of conformity and prototype test certificates are available at [www.siemens.com/sirius/support](http://www.siemens.com/sirius/support) for viewing and downloading.

You can find more information about industrial controls for applications in explosion-protected areas at [www.siemens.com/sirius/atex](http://www.siemens.com/sirius/atex).



Selection box



Description of certificate with view and download option

### Identifying markings

All equipment must be marked in according to the ATEX guideline. The ATEX identification code contains the equipment group, the approved environment, the number of the certification authority and other technical data that was determined from the type test.

<sup>1)</sup> DEKRA EXAM GmbH  
The certification authority of the "DEKRA EXAM GmbH" numbered as authority number 0158 according to Article 9 of Directive 94/9/EC of the European Parliament and Council dated March 23, 1994, certifies that Siemens Amberg and Cham maintains a quality system for production that satisfies Appendix IV of this Directive.

### Certificate of the AS-International Association for AS-Interface products

AS-Interface products are tested and certified by the AS-International Association. The products have been tested in an accredited test laboratory according to testing guidelines.

### Special standards for the USA and Canada

In the USA and Canada, for machine tools and processing machines in particular, supply lines are laid using rubber insulated cable enclosed in heavy-duty steel piping similar to that used for gas or water pipe systems.







The tubing system must be completely watertight and electrically conductive (especially sleeving and elbows). Since the tubing system can also be grounded, the cable entries of enclosed units equipped with heavy-gauge or metric threads must be fitted with metal adapters between these threads and the tube thread. The necessary adapters are specified for the switchgear as accessories; they should be ordered separately unless otherwise specified.


Low-voltage switchgear and controlgear for auxiliary circuits (e.g. contactor relays, commanding and signaling devices and auxiliary switches/auxiliary contacts in general) are generally only approved by CSA and UL for **"Heavy Duty"** or **"Standard Duty"** and are identified either with these specifications in addition to the maximum permissible voltage or by using an abbreviation.

The abbreviations are harmonized with IEC 60947-5-1 Appendix 1 Table A.1 and correspond to the stated utilization categories.

For various switching devices detailed in the catalog, a note has been included to the effect that, above a certain voltage, the auxiliary switches/auxiliary contacts can only be used if they have the same polarity. This means that the input terminals can only be connected to the same pole of the actuating voltage, e.g. "600 V AC above 300 V AC same polarity".

### Different features of UL approvals (for USA and Canada)

Recognized Component	Listed Product
Devices are identified on the rating plate using the "UL recognition mark": USA:   US Canada:   US	Devices are identified using the "UL listing mark" on the rating plate e.g. USA:  LISTED XXX      Canada:  LISTED XXX IND. CONT. EQ.      IND. CONT. EQ. (XXX stands for: UL Code Classification Number)
Devices are approved as modules for "factory wiring", i.e.: as devices for installation in control systems, which are selected, installed, wired and tested entirely by trained personnel in factories, workshops or elsewhere, <b>according to the operating conditions</b> .	Devices are approved for "field wiring", i.e.: <ul style="list-style-type: none"> <li>As devices for installation in control systems, which are completely wired by trained personnel in factories, workshops or elsewhere.</li> <li>As single devices for sale in retail outlets in the USA/Canada.</li> </ul>

If devices are  or  approved as "listed products", they are also approved as  or  "recognized components".

For more information about UL and CSA, see 122.

### Special standards for Russia, Australia and China

#### EAC approval for Russia/Belarus/Kazakhstan



EAC mark (new)



GOST mark (old)

Since 15.02.2013 Russia, Kazakhstan and Belarus have been united in the EAC customs union. An EAC approval as replacement for the GOST mark is required for all products that are to be sold in Russia.

All devices delivered to the customs union must have these customs certifications.

The provisional transition period in which the GOST mark will remain valid ends on 15.03.2015.

#### C-Tick licensing for Australia



RCM mark (new)



C-Tick mark (old)

The RCM mark is required for marketing Siemens components in Australia. Electronic devices must provide proof of EMC clearance in Australia, similar to the CE mark of conformity laid down by the EMC directive applicable in the EC and bear the "C-Tick" mark. These requirements have been in force since October 1st, 1999.

The RCM mark was introduced on 01.03.2013. The transition period in which the old C-Tick mark will remain valid is three years.

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#### Coordinate switches

• 22 mm, metal, shiny	70
• 22 mm, plastic, black	20, 34

### E

#### EMERGENCY STOP mushroom pushbuttons

• 22 mm, metal, shiny	56, 64
• 22 mm, plastic with metal front ring, matte	37, 46
• 22 mm, plastic, black	18, 27

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• 22 mm, plastic with metal front ring, matte	52
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• 22 mm, metal, shiny	58, 70
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• 22 mm, plastic, black	21
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#### Key-operated switches

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• 22 mm, plastic, black	18, 26

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### T

#### Twin pushbuttons

• 22 mm, metal, shiny	62
• 22 mm, plastic with metal front ring, matte	44
• 22 mm, plastic, black	25





## Get more information

Control Products:  
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