■ Overview

SIRIUS ACT pushbuttons and indicator lights

SIRIUS ACT – commanding and signaling

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

Extensive portfolio

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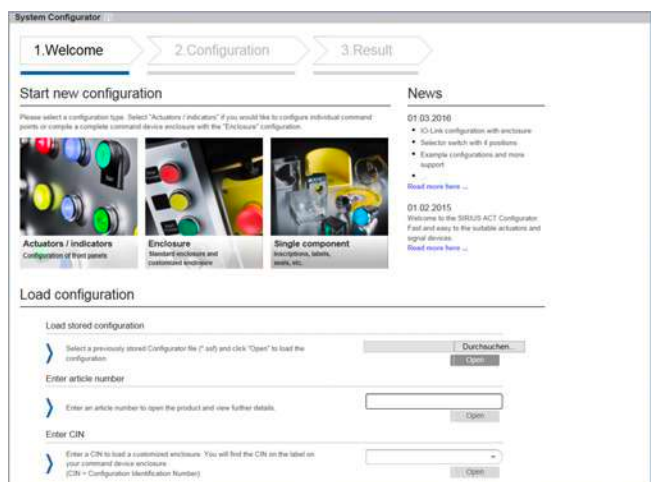
Diverse possible applications

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

Standards

- IEC 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

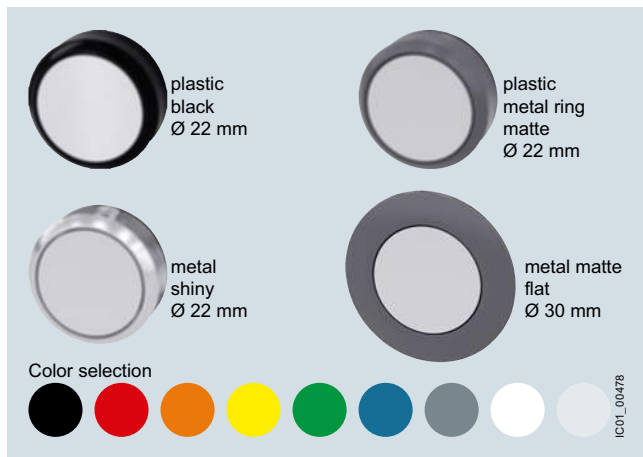| More information |
| --- |
| Home page, see www.siemens.com/sirius-act |
| Industry Mall, see www.siemens.com/product?3SU1 |
| Configurator, see www.siemens.com/sirius-act/configurator |
| Conversion tool, see www.siemens.com/sirius/conversion-tool |
| Manual, see https://support.industry.siemens.com/cs/ww/en/view/107542462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

Configurator

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

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SIRIUS ACT Pushbuttons and Indicator Lights

General data

■ **Benefits**

Design

plastic black Ø 22 mm

plastic metal ring matte Ø 22 mm

metal shiny Ø 22 mm

metal matte flat Ø 30 mm

Color selection

IC01_00478

SIRIUS ACT is available in four design lines.

Ruggedness

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

IP66	
6 = Protection against the ingress of dust	6 = Protection against powerful splashwater

IP67	
6 = Protection against the ingress of dust	7 = Protection against temporary immersion

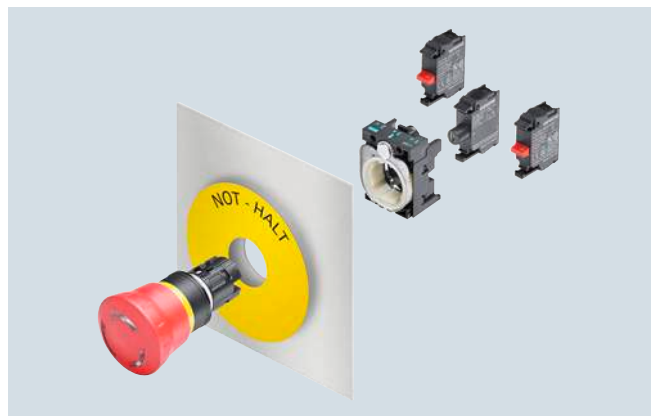| IP69 (IP69K)	
6 = Protection against the ingress of dust	9/9K = Protection against water in high-pressure cleaning (approx. 80 bar) and high water jet temperatures (approx. 80°C)

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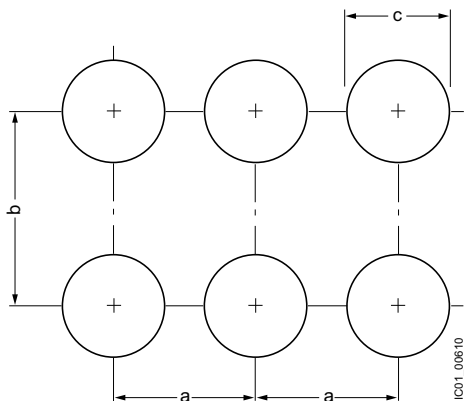
Communication

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

Easy handling

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

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Mounting dimensions

IC01_00610

	Minimum clearance		
	a	**b**	**c**
	mm	**mm**	**mm**
22 mm plastic, plastic with metal front ring, metal for front plate thickness 1 ... 6 mm			
3-slot holder	30	40	$22.3^{+0.4}$
4-slot holder	40	40	$22.3^{+0.4}$
30 mm, metal, matte for front plate thickness 1 ... 4 mm			
3-slot holder	40	45	$30.5^{+0.5}$

Versions

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

One command point comprises:

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

Complete units

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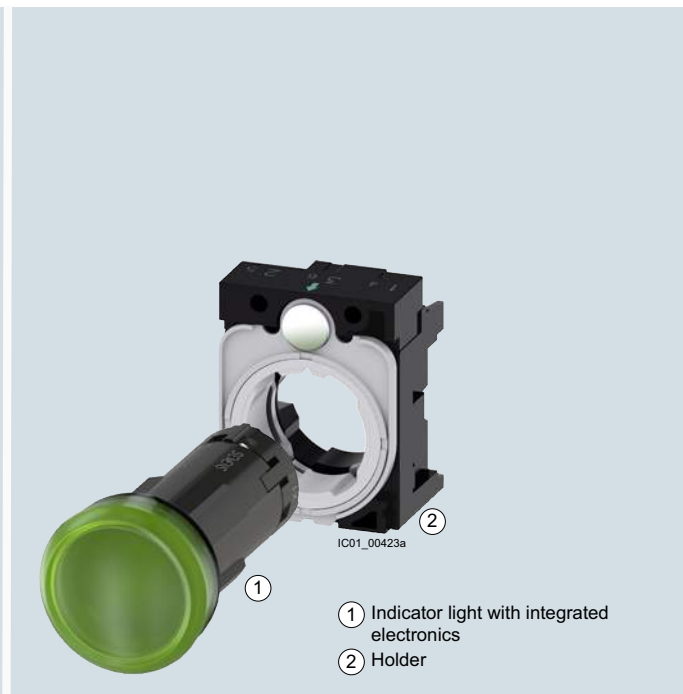
Compact units

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

IC01_00422a

① Actuator
② Holder
③ LED module
④ NO contact

IC01_00423a

① Indicator light with integrated electronics
② Holder

Complete units	Pages	Compact units	Pages
Plastic, black	13/18	Plastic, black	13/25
Plastic with metal front ring, matte	13/39	Plastic with metal front ring, matte	13/46
Metal, shiny	13/59	Metal, shiny	13/64

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SIRIUS ACT Pushbuttons and Indicator Lights

General data

Actuating and signaling elements

System overview of SIRIUS ACT pushbuttons and indicator lights from the plastic design line.
Pushbuttons and indicator lights available in 4 design lines.

Actuating and signaling elements		Pages	Modules for front plate mounting		Pages
①	Pushbuttons, illuminated pushbuttons	13/18	⑮ Contact modules		13/85
②	Mushroom pushbuttons	13/20	⑯ LED modules		13/87
③	Selector switches	13/42	⑰ AS-Interface modules		13/89
④⑤ ⑥⑦	Key-operated switches, coordinate switches, potentiometers, indicator lights	13/43	**Enclosures**		**Pages**
⑧⑨	EMERGENCY STOP mushroom pushbuttons, backing plates	13/20	⑱ Enclosures		13/91
⑩⑪	ID key-operated switches with ID key, electronic modules	13/37	**Modules for base mounting**		**Pages**
⑫	Twin pushbuttons, label holders, labeling plates	13/29	⑲ Contact modules		13/99
Holders and labels		**Pages**	⑳ LED modules		13/99
⑬	Label holders, labeling plates	13/104	㉑ IO-Link modules		13/102
⑭	Holder	13/104	㉒ AS-Interface modules		13/102

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 Contact modules	NO contacts	NC contacts	SD d	Screw terminals ⊕		PU (UNIT, SET, M)	PS*	PG
					Article No.	Price per PU			
Mushroom pushbuttons									
With red mushroom, diameter 40 mm, latching									
Pull to unlatch	1	0	1	3	3SU1100-1BA20-1CA0		1	1 unit	41J
					Spring-type terminals ⧉				
Pull to unlatch	1	0	1	5	3SU1100-1BA20-3CA0		1	1 unit	41J

3SU1100-1BA20-3CA0

■ Selection and ordering data

Unlatching method	Number of Contact modules	NO contacts	NC contacts	Marking	SD d	Screw terminals ⊕		PU (UNIT, SET, M)	PS*	PG
						Article No.	Price per PU			
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										
Pull to unlatch	1	0	1	NOT-HALT	⊖ 5	3SU1100-1HA20-1CH0		1	1 unit	41J
Rotate to unlatch	1	0	1	None	⊖ 5	3SU1100-1HB20-1CF0		1	1 unit	41J
		0	1	EMERGENCY STOP	⊖ 5	3SU1100-1HB20-1CG0		1	1 unit	41J
		0	1	NOT-HALT	⊖ ▶	3SU1100-1HB20-1CH0		1	1 unit	41J
	NEW	0	2	EMERGENCY STOP	⊖ X	3SU1100-1HB20-1PG0		1	1 unit	41J
		0	1	ARRET D'URGENCE	⊖ 5	3SU1100-1HB20-1CJ0		1	1 unit	41J
	NEW	1	1	EMERGENCY STOP	⊖ 5	3SU1100-1HB20-1FG0		1	1 unit	41J
	NEW	1	1	NOT-HALT	⊖ ▶	3SU1100-1HB20-1FH0		1	1 unit	41J
	NEW	1	1	ARRET D'URGENCE	⊖ 5	3SU1100-1HB20-1FJ0		1	1 unit	41J
						Spring-type terminals ⧉				
Rotate to unlatch	1	0	1	NOT-HALT	⊖ 5	3SU1100-1HB20-3CH0		1	1 unit	41J
	NEW	1	1	NOT-HALT	⊖ 5	3SU1100-1HB20-3FH0		1	1 unit	41J

3SU1100-1HA20-1CH0

3SU1100-1HB20-1CH0

3SU1100-1HB20-3CH0

⊖ Positive opening according to IEC 60947-5-1, Annex K.
Can be used with 3SK11 safety relays or the 3RK3 Modular Safety System;
see page 11/1 onwards.
Certificate:

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