

SIRIUS ACT Pushbuttons and Indicator Lights **NEW**

General data

Modules for actuators and indicators

Digit of the Article No.	1st ... 4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th
	□□□□	□	□	□	-	□	□	□	□	-	□	□	□
SIRIUS ACT pushbuttons and indicator lights	3SU1												
Device type	4 = Modules for actuators and indicators	4											
Material (front ring)	0 = Plastic, black		□										
Illumination	0 = Non-illuminated 1 = Illuminated			□									
Type of mounting	1 = Front plate mounting 2 = Base mounting 3 = Printed circuit board				□								
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 switches					□							
Function/voltage	e.g. B = 24 V AC/DC						□						
Color	e.g. 10 = Black, 20 = Red							□	□				
Connection type	1 = Screw terminals 2 = Screw terminals + insulation piercing method 3 = Spring-type terminals 4 = Spring-type terminals + insulation piercing method 5 = Socket terminals									□			
Module equipment incl. contact material	e.g. A = None B = 1 NO contact, silver C = 1 NC contact, silver										□		
Marking	A = None											□	
Ambient condition	0 = Standard, 1 = ATEX												□
Example	3SU1	4	0	0	-	1	A	A	1	0	-	1	B

Holders

Digit of the Article No.	1st ... 4th	5th	6th	7th	8th	9th	10th	11th	12th	13th	14th	15th	16th
	□□□□	□	□	□	-	□	□	□	□	-	□	□	□
SIRIUS ACT pushbuttons and indicator lights	3SU1												
Device type	5 = Holder	5											
Material (front ring)	0 = Plastic, black 5 = Metal, shiny		□										
Illumination	0 = Non-illuminated 1 = Illuminated			□									
Type of mounting	0 = None 1 = Front plate mounting				□								
Holder type	A = 3x A B = 4x B					□							
Function/voltage	A = None G = 6 ... 24 V AC/DC						□						
Color	e.g. 10 = Black, 20 = Red							□	□				
Connection type	0 = None 1 = Screw terminals									□			
Module equipment incl. contact material and slot	e.g. A = None B = 1 NO contact, silver C = 1 NC contact, silver										□		
Marking	A = None											□	
Ambient condition	0 = Standard, 1 = ATEX												□
Example	3SU1	5	0	0	-	0	A	A	1	0	-	0	A

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.

SIRIUS ACT Pushbuttons and Indicator Lights Enclosures **NEW**

Pushbuttons and indicator lights in the enclosure for AS-Interface

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 make 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 base:

- 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 DQ)
- Slave with 4 digital inputs and 4 digital outputs (4 DI/4 DQ)
- F slave with 2 safe inputs for EMERGENCY STOP mushroom pushbutton (2 F-DI), also with integrated red LED for the illuminated EMERGENCY STOP mushroom pushbutton.

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 DQ or 4 DI/3 DQ	--
3	1 x slave 4 DI/4 DQ or 4 DI/3 DQ	1 x slave 4 DI/4 DQ or 4 DI/3 DQ + 1 x F slave
4	2 x slave 4 DI/4 DQ or 4 DI/3 DQ	2 x slave 4 DI/4 DQ or 4 DI/3 DQ + 1 x F slave
6	2 x slave 4 DI/4 DQ or 4 DI/3 DQ	2 x slave 4 DI/4 DQ or 4 DI/3 DQ + 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 command 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 enclosure with plastic actuators and indicators, metal enclosure 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 command 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). With 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, the configurator must be used to select the fittings. An electronic order form will be generated for the options.

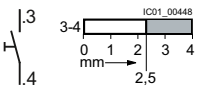
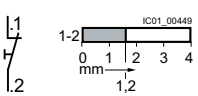
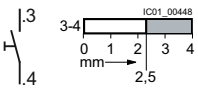
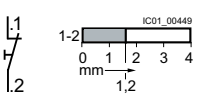
For Configurator, see www.siemens.com/sirius-act/configurator.

SIRIUS ACT Pushbuttons and Indicator Lights **NEW**

Enclosures

Modules for enclosures

Selection and ordering data

Contact version	Number of NO contacts	Number of NC contacts		DT	Screw terminals 	PU (UNIT, SET, M)	PS*	PG
					Article No.	Price per PU		
Contact modules for base mounting								
	Silver alloy	1	0		3SU1400-2AA10-1BA0		1	1 unit 41J
		0	1		3SU1400-2AA10-1CA0		1	1 unit 41J
Spring-type terminals 								
	Silver alloy	1	0		3SU1400-2AA10-3BA0		1	1 unit 41J
		0	1		3SU1400-2AA10-3CA0		1	1 unit 41J

3SU1400-2AA10-1BA0

3SU1400-2AA10-3BA0

⊕ 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:



Operational voltage at AC	Operational voltage at DC	Color	DT	Screw terminals 	PU (UNIT, SET, M)	PS*	PG
V	V			Article No.	Price per PU		
LED modules¹⁾ for base mounting							
	24	24	Amber	B	3SU1401-2BB00-1AA0	1	1 unit 41J
			Red	B	3SU1401-2BB20-1AA0	1	1 unit 41J
			Yellow	B	3SU1401-2BB30-1AA0	1	1 unit 41J
			Green	B	3SU1401-2BB40-1AA0	1	1 unit 41J
			Blue	B	3SU1401-2BB50-1AA0	1	1 unit 41J
			White	B	3SU1401-2BB60-1AA0	1	1 unit 41J
	110	--	Amber	B	3SU1401-2BC00-1AA0	1	1 unit 41J
			Red	B	3SU1401-2BC20-1AA0	1	1 unit 41J
			Yellow	B	3SU1401-2BC30-1AA0	1	1 unit 41J
			Green	B	3SU1401-2BC40-1AA0	1	1 unit 41J
			Blue	B	3SU1401-2BC50-1AA0	1	1 unit 41J
			White	B	3SU1401-2BC60-1AA0	1	1 unit 41J
	230	--	Amber	B	3SU1401-2BF00-1AA0	1	1 unit 41J
			Red	B	3SU1401-2BF20-1AA0	1	1 unit 41J
			Yellow	B	3SU1401-2BF30-1AA0	1	1 unit 41J
			Green	B	3SU1401-2BF40-1AA0	1	1 unit 41J
			Blue	B	3SU1401-2BF50-1AA0	1	1 unit 41J
			White	B	3SU1401-2BF60-1AA0	1	1 unit 41J

3SU1401-2BB60-1AA0

¹⁾ Only for use with SIRIUS commanding and signaling devices.