General data

■ **Overview**

AS-Interface enclosures with customized equipment

Distributed command devices of the 3SB3 series can be quickly connected to the AS-Interface using AS-Interface enclosures. Using suitable components you can make your own enclosures with integrated AS-Interface or flexibly modify existing enclosures.

EMERGENCY-STOP enclosures

Enclosures

Color of enclosure cover:
• Gray, RAL 7035
• Yellow, RAL 1004, for EMERGENCY-STOP

Color of enclosure base:
• Black, RAL 9005

Installation of AS-Interface slaves

The following slave types are available for connecting the command points:
• Slave in A/B technology with 4 inputs and 3 outputs
• Slave with 4 inputs and 4 outputs
• F Slave with two secure inputs for EMERGENCY-STOP mushroom pushbutton

The following table shows the maximum number of equippable slaves:

Enclosures for	Number of slaves for enclosures without EMERGENCY-STOP	Number of slaves for enclosures with EMERGENCY-STOP
1 command point	Not available	1 x F slave
2 command points	1 x slave 4I/4O or 4I/3O	Not available
3 command points	1 x slave 4I/4O or 4I/3O	1 x slave 4I/4O or 4I/3O + 1 x F slave
4 command points	2 x slave 4I/4O or 4I/3O[1]	2 x slave 4I/4O or 4I/3O + 1 x F slave[1]
6 command points	2 x slave 4I/4O or 4I/3O	2 x slave 4I/4O or 4I/3O + 1 x F slave

[1] Applies to plastic enclosures. For metal enclosures with 4 command points, only 1 x slave 4I/4O or 4I/3O is possible.

Connection

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

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

For connection to AS-Interface can be selected between:
• 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.

Customized enclosures (selection by configurator)

To order customized 3SF58 AS-Interface enclosures with the 3SB3 control devices, use the 3SB3/3SF5 configurator to select the blocks for equipping. An electronic order form will be generated for the additional options.

Related ordering notes .

3SB3 Pushbuttons and Indicator Lights, 22 mm
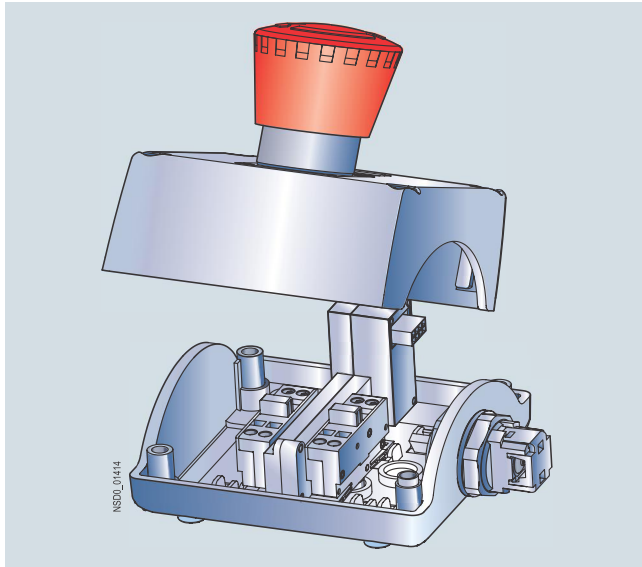## Enclosures for AS-Interface

AS-Interface enclosures with standard fittings

■ Overview

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 user 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 blocks, which are wired to the safe slave. The contact blocks and lampholders (with spring-type terminals) of the control device, and the AS-Interface slaves, are mounted in the base of the enclosure and are cable-connected.

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 housing with EMERGENCY-STOP mushroom pushbuttons with an M12 connector is also available.

■ Selection and ordering data

Equipping options (A, B, C = identification letters of the command points)	No. of command points	DT	Configurator ⚙		PU (UNIT, SET, M)	PS*	PG
			Article No.	Price per PU			
AS-Interface enclosures, plastic							
With M12 top connector							
A = EMERGENCY-STOP mushroom pushbuttons, red, with rotate-to-unlatch mechanism, 1 NC, 1 NC	1	B	**3SF5811-0AA10**		1	1 unit	42A
• Yellow enclosure top							
With terminal for insulation piercing method at top							
A = EMERGENCY-STOP mushroom pushbuttons, red, with rotate-to-unlatch mechanism, 1 NC, 1 NC							
• Yellow enclosure top	1	A	**3SF5811-0AA08**		1	1 unit	42A
• Yellow enclosure top, with protective collar[1]	1	A	**3SF5811-0AB08**		1	1 unit	42A
B = Pushbutton green, label "I", 1 NO A = Pushbutton red, label "O", 1 NO	2	A	**3SF5812-0DA00**		1	1 unit	42A
B = Pushbutton white, label "I", 1 NO A = Pushbutton black, label "O", 1 NO	2	A	**3SF5812-0DB00**		1	1 unit	42A
C = Indicator lights clear, label without inscription B = Pushbutton green, label "I", 1 NO A = Pushbutton red, label "O", 1 NO	3	A	**3SF5813-0DA00**		1	1 unit	42A
C = Indicator lights clear, label without inscription B = Pushbutton white, label "I", 1 NO A = Pushbutton black, label "O", 1 NO	3	A	**3SF5813-0DC00**		1	1 unit	42A
C = Pushbutton black, label "II", 1 NO B = Pushbutton black, label "I", 1 NO A = Pushbutton red, label "O", 1 NO	3	A	**3SF5813-0DB00**		1	1 unit	42A
AS-Interface enclosures, metal							
With M12 top connector							
A = EMERGENCY-STOP mushroom pushbuttons, red, with rotate-to-unlatch mechanism, 1 NC, 1 NC							
• Yellow enclosure top	1	C	**3SF5811-2AA10**		1	1 unit	42A
• Yellow enclosure top, with protective collar[1]	1	C	**3SF5811-2AB10**		1	1 unit	42A
With cable gland at top							
A = EMERGENCY-STOP mushroom pushbuttons, red, with rotate-to-unlatch mechanism, 1 NC, 1 NC							
• Yellow enclosure top	1	A	**3SF5811-2AA08**		1	1 unit	42A
• Yellow enclosure top, with protective collar[1]	1	A	**3SF5811-2AB08**		1	1 unit	42A
B = Pushbutton green, label "I", 1 NO A = Pushbutton red, label "O", 1 NO	2	A	**3SF5812-2DA00**		1	1 unit	42A
B = Pushbutton white, label "I", 1 NO A = Pushbutton black, label "O", 1 NO	2	A	**3SF5812-2DB00**		1	1 unit	42A
C = Indicator lights clear, label without inscription B = Pushbutton green, label "I", 1 NO A = Pushbutton red, label "O", 1 NO	3	A	**3SF5813-2DA00**		1	1 unit	42A
C = Indicator lights clear, label without inscription B = Pushbutton white, label "I", 1 NO A = Pushbutton black, label "O", 1 NO	3	A	**3SF5813-2DC00**		1	1 unit	42A
C = Pushbutton black, label "II", 1 NO B = Pushbutton black, label "I", 1 NO A = Pushbutton red, label "O", 1 NO	3	A	**3SF5813-2DB00**		1	1 unit	42A

3SF5811-0AA08

3SF5812-0DA00

3SF5811-2AB08

3SF5813-2DA00

⚙ For online configurator see www.siemens.com/sirius/configurators

[1] The protective collar must only be used to protect against inadvertent actuating and must be fitted to allow unimpeded access to the EMERGENCY-STOP mushroom pushbutton.

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3SB3 Pushbuttons and Indicator Lights, 22 mm
Enclosures for AS-Interface

Components for AS-Interface enclosures

■ **Selection and ordering data**

For self-equipping of the enclosures

| Version	Number of command points	DT	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
For plastic enclosures							
AS-Interface slaves							
F slave, 2 safe inputs, for plastic enclosure, EMERGENCY-STOP, without protective collar	1 ... 6	A	**3SF5500-0BA**		1	1 unit	42A
F slave, 2 safe inputs, for plastic or metal enclosure, EMERGENCY-STOP, with protective collar	1	A	**3SF5500-0DA**		1	1 unit	42A
A/B slave, 4I/3O for plastic enclosure	2 ... 6	A	**3SF5500-0BB**		1	1 unit	42A
Slave, 4I/4O, for plastic enclosure	2 ... 6	A	**3SF5500-0BC**		1	1 unit	42A
Sets of links							
For F slave		A	**3SF5900-0BA**		1	1 unit	42A
For slave 4I/4O or A/B slave 4I(3O)		A	**3SF5900-0BB**		1	1 unit	42A
Connection elements							
For AS-Interface shaped cable, connection by insulation piercing method, for plastic enclosure	1 ... 3	A	**3SF5900-0CA**		1	1 unit	42A
	4 ... 6	B	**3SF5900-0CB**		1	1 unit	42A
For AS-Interface connection using M12 plug, for plastic enclosure	1 ... 3	B	**3SF5900-0CC**		1	1 unit	42A
	4 ... 6	B	**3SF5900-0CD**		1	1 unit	42A
For bringing out unused inputs/outputs through an M12 socket, for plastic enclosure	1 ... 3	B	**3SF5900-0CE**		1	1 unit	42A
	4 ... 6	B	**3SF5900-0CF**		1	1 unit	42A
For AS-Interface shaped cable, cable is routed into the enclosure, for plastic or metal enclosure	1 ... 3	A	**3SF5900-0CG**		1	1 unit	42A
	4 ... 6	A	**3SF5900-0CH**		1	1 unit	42A
For round cable, cable is routed into the enclosure, for plastic or metal enclosure	1 ... 3	A	**3SF5900-0CJ**		1	1 unit	42A
	4 ... 6	A	**3SF5900-0CK**		1	1 unit	42A
For metal enclosures							
AS-Interface slaves							
F slave, 2 safe inputs, for metal enclosure, EMERGENCY-STOP, without protective collar	1 ... 6	A	**3SF5500-0CA**		1	1 unit	42A
F slave, 2 safe inputs, for plastic or metal enclosure, EMERGENCY-STOP, with protective collar	1	A	**3SF5500-0DA**		1	1 unit	42A
A/B slave, 4I/3O, for metal enclosure	2 ... 6	A	**3SF5500-0CB**		1	1 unit	42A
Slave, 4I/4O, for metal enclosure	2 ... 6	A	**3SF5500-0CC**		1	1 unit	42A
Sets of links							
For F slave		A	**3SF5900-0BA**		1	1 unit	42A
For slave 4I/4O or A/B slave 4I(3O)		A	**3SF5900-0BB**		1	1 unit	42A
Connection elements							
For AS-Interface connection using M12 plug, for metal enclosure	1 ... 3	B	**3SF5900-2CC**		1	1 unit	42A
	4 ... 6	B	**3SF5900-2CD**		1	1 unit	42A
For bringing out unused inputs/outputs through an M12 socket, for metal enclosure	1 ... 3	B	**3SF5900-2CE**		1	1 unit	42A
	4 ... 6	B	**3SF5900-2CF**		1	1 unit	42A
For AS-Interface shaped cable, cable is routed into the enclosure, for plastic or metal enclosure	1 ... 3	A	**3SF5900-0CG**		1	1 unit	42A
	4 ... 6	A	**3SF5900-0CH**		1	1 unit	42A
For round cable, cable is routed into the enclosure, for plastic or metal enclosure	1 ... 3	A	**3SF5900-0CJ**		1	1 unit	42A
	4 ... 6	A	**3SF5900-0CK**		1	1 unit	42A
Spare parts							
Cable clips For cable adapters		▶	**3RK1901-3QA00**		100	10 units	42C

Image labels (left column):
3SF5500-0BA
3SF5500-0BB
3SF5900-0CA
3SF5900-0CC
3SF5900-0CG
3SF5900-0CJ
3SF5500-0CB
3SF5900-0CG
3SF5900-0CJ
3RK1901-3QA00

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