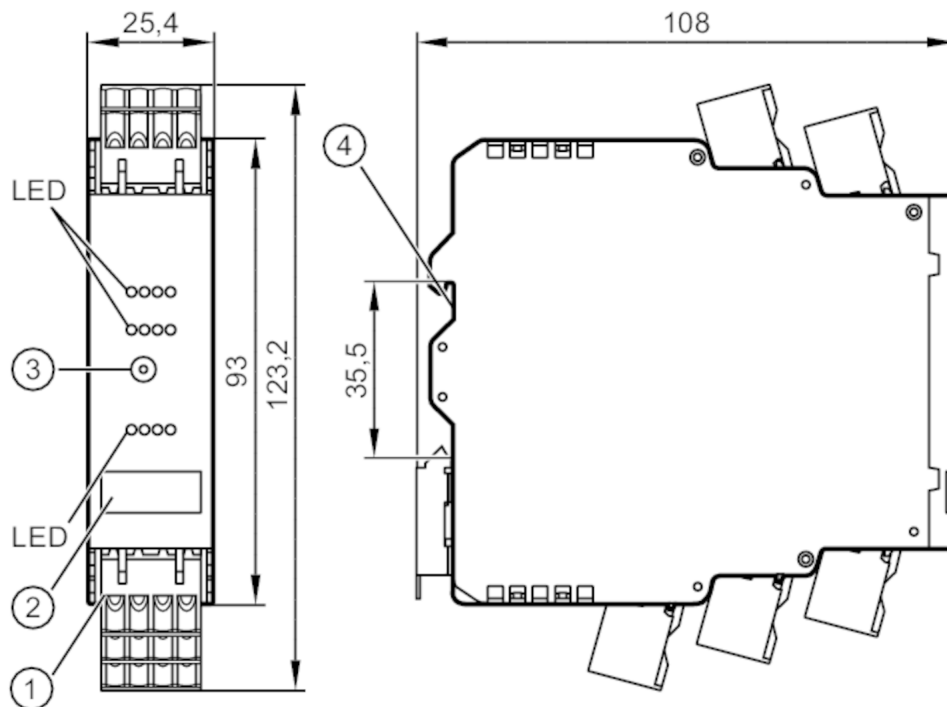


AS-Interface control cabinet module

SmartL25 4DI AUX 4DO R C



- 1 plug with cage clamp connection
- 2 panel for labelling
- 3 addressing socket
- 4 mounting on DIN rail



Application

Design	housing for DIN rail mounting
Application	Installation in control cabinets

Electrical data

Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	50
Additional voltage supply	[V]	20...30 DC; (AUX)
Max. current consumption from additional supply	[mA]	1100; (AUX)
Integrated watchdog		yes

Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 4; Number of relay outputs: 4
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Inputs

Number of digital inputs	4
Input circuit of digital inputs	PNP; (type 2 according to IEC 61131-2)
Sensor supply of the inputs	AUX
Power supply [V]	18...30; (DC)
Max. total current rating of inputs [mA]	1000
Input current High [mA]	6...10



AS-Interface control cabinet module

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Input current Low	[mA]	0...2
Switching level high	[V]	> 11
Digital inputs protected against short circuits		yes

Outputs

Voltage range DC	[V]	24; (AUX; The outputs O1 + O3 and O2 + O4 must be supplied in pairs with the same voltage. 2 x 24 V DC)
Voltage range AC	[V]	10...240; (The outputs O1 + O3 and O2 + O4 must be supplied in pairs with the same voltage. 2 x 240 V AC)
Max. current load per output	[mA]	6000; (ohmic resistance)
Max. current load outputs total	[A]	6; (ohmic resistance)
Number of relay outputs		4
Short-circuit proof		no
Electrically separated		yes

Operating conditions

Ambient temperature	[°C]	-25...65
Note on ambient temperature		the derating of the current load indicated in the operating instructions is to be taken into account at the following ambient temperature: > 55 °C
Storage temperature	[°C]	-25...75
Max. relative air humidity	[%]	90; (non condensing)
Max. height above sea level	[m]	2000
Protection		IP 20
Protection rating terminals		IP 20
Pollution degree		2

Tests / approvals

EMC	EN 62026-2	
	EN 61000-6-2	
	EN 61000-6-3	
MTTF	[years]	273
Notes		The device shall be supplied from an isolating source.; This voltage source must have a secondary UL-listed fuse (see enclosed sheet).; Alternatively, a class 2 power supply can be used to supply AUX.

AS-i classification

AS-i version	2.11; 3.0				
AS-i addressing	addressing socket				
Extended addressing mode	no				
AS-i master profile	M2; M3; M4				
AS-i profile	S-7.0.E				
AS-i I/O configuration	[hex]	7			
AS-i ID code	[hex]	0.E			
Assignment of the data bits	data bit	D0	D1	D2	D3
	input	I-1	I-2	I-3	I-4
	Output	O-1	O-2	O-3	O-4

Mechanical data

Weight	[g]	198.85
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AC3259



AS-Interface control cabinet module

SmartL25 4DI AUX 4DO R C

Housing	rectangular	
Type of mounting	mounting on DIN rail; (TH35 (EN 60715))	
Dimensions [mm]	123.2 x 25.4 x 108	
Materials	plastics; PC-GF20	
Displays / operating elements		
Display	switching status	LED, yellow I1...I4, O1...O4
	operation	LED, green AS-i, AUX
	errors	LED, red
Accessories		
Items supplied	cage clamps	
Remarks		
Pack quantity	1 pcs.	

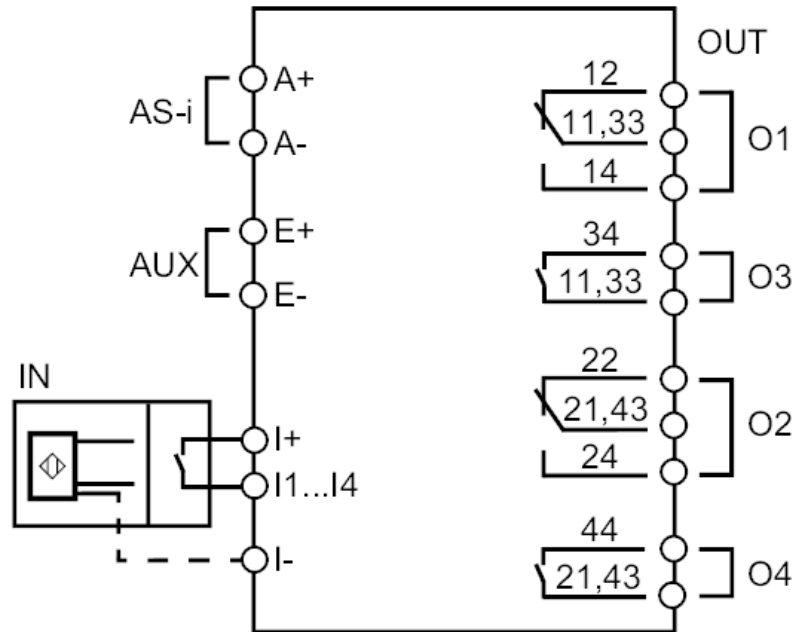
AS-Interface control cabinet module

SmartL25 4DI AUX 4DO R C

Electrical connection

pin headers: 4 x ; Spacing: 5.0 mm

Connection



A+	AS-i +
A-	AS-i -
E+	external voltage supply for sensors + 24 V (AUX)
E-	external voltage supply for sensors + 0 V (AUX)
I+	Sensor supply +24V
I-	Sensor supply 0V
I1...I4	switching input sensor 1...4
O1...O4	switching output relay 1...4
11	relay O1 changeover contact, common
12	relay O1 changeover contact, normally closed contact
14	relay O1 changeover contact, normally open
21	relay O2 changeover contact, common
22	relay O2 changeover contact, normally closed contact
24	relay O2 changeover contact, normally open
33, 34	relay O3 normally open
43, 44	relay O4 normally open