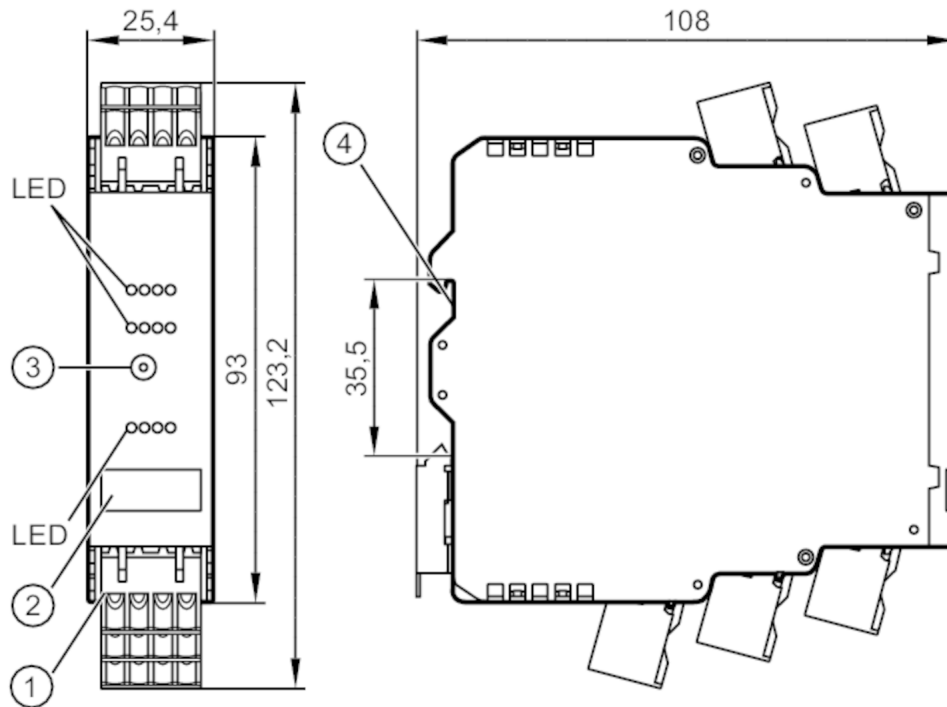


AS-Interface control cabinet module

SmartL25 4DI 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]	300
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	AS-i
Power supply [V]	18...30; (DC)
Max. total current rating of inputs [mA]	200
Input current High [mA]	6...10
Input current Low [mA]	0...2
Switching level high [V]	> 11



AS-Interface control cabinet module

SmartL25 4DI 4DO R C

Digital inputs protected against short circuits	yes				
Outputs					
Voltage range DC	[V]	24; (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]	295			
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]	214.7			
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			



AS-Interface control cabinet module

SmartL25 4DI 4DO R C

Displays / operating elements

Display	switching status	LED, yellow I1...I4, O1...O4
	operation	LED, green AS-i
	errors	LED, red

Accessories

Items supplied	cage clamps
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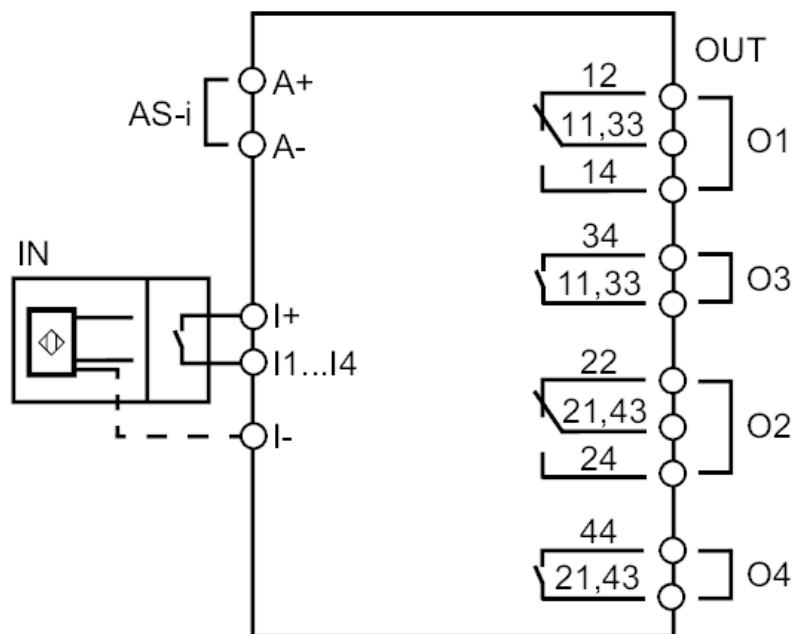
Remarks

Remarks	Do not connect any of the following points to an external potential:
	I-, I+, I1, I2, I3, I4
	The connections are electrically connected with the AS-i cable.
Pack quantity	1 pcs.

Electrical connection

pin headers: 4 x ; Spacing: 5.0 mm

Connection



A+	AS-i +
A-	AS-i -
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