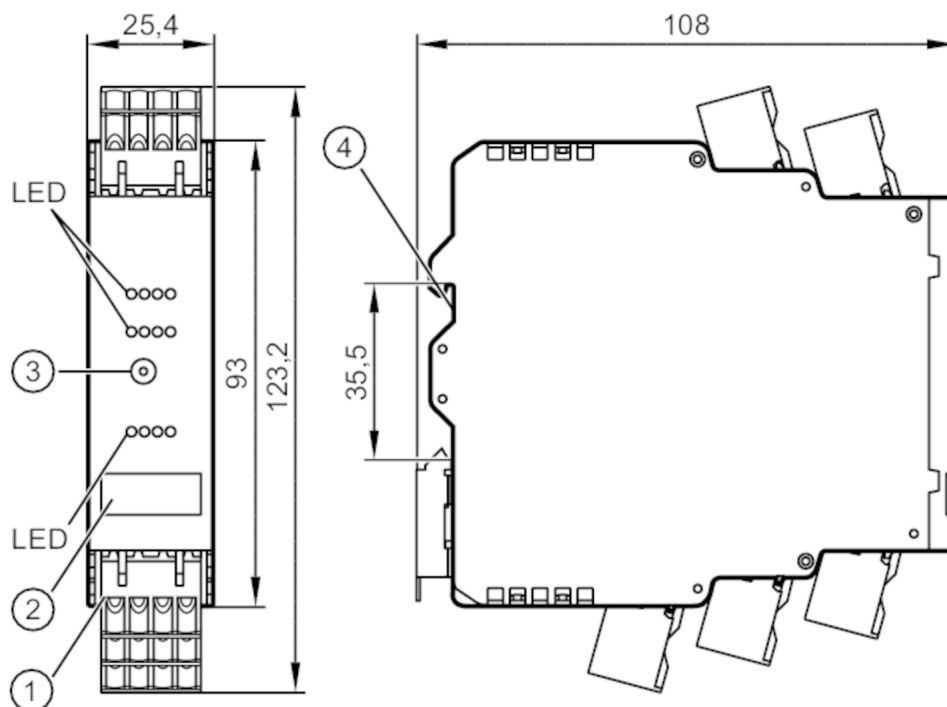


AS-Interface control cabinet module

SmartL25 4DI 2DO 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: 2
------------------------------	---

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 2DO R C

Digital inputs protected against short circuits	yes				
Outputs					
Voltage range DC [V]	24				
Voltage range AC [V]	10...240				
Max. current load per output [mA]	6000; (ohmic resistance)				
Max. current load outputs total [A]	6; (ohmic resistance)				
Number of relay outputs	2				
Short-circuit proof	no				
Electrically separated	yes				
Operating conditions					
Ambient temperature [°C]	-25...65				
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]	317				
AS-i classification					
AS-i version	2.11; 3.0				
AS-i addressing	addressing socket				
Extended addressing mode	yes				
AS-i master profile	M2; M3; M4				
AS-i profile	S-7.A.E				
AS-i I/O configuration [hex]	7				
AS-i ID code [hex]	A.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	-	-
Mechanical data					
Weight [g]	194.2				
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...O2	
	operation			LED, green AS-i	
	errors			LED, red	



AS-Interface control cabinet module

SmartL25 4DI 2DO R C

Accessories

Items supplied	cage clamps
----------------	-------------

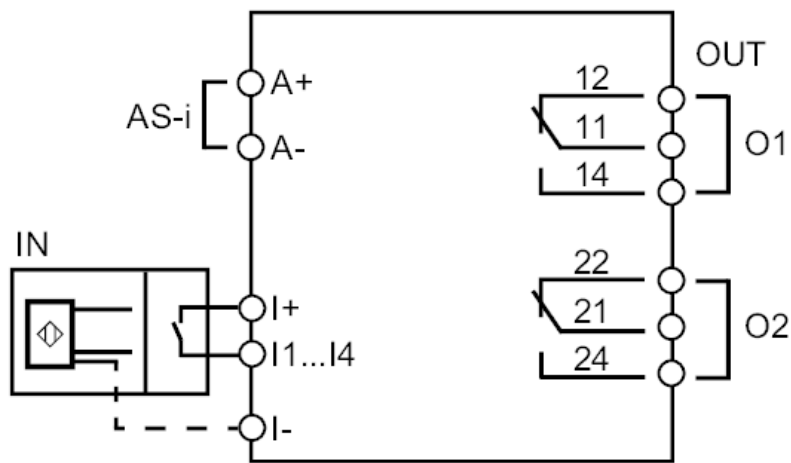
Remarks

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...O2	switching output relay 1...2
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