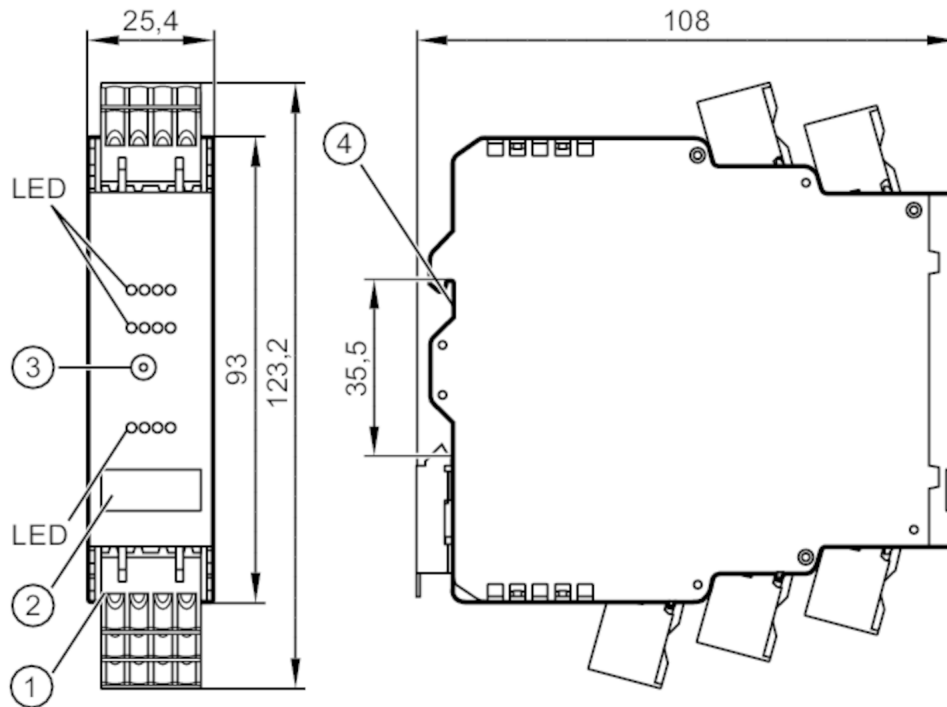


AS-Interface control cabinet module

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	I/O modules for control cabinet installations

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
Voltage 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

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Digital inputs protected against short circuits	yes
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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; (resistive load)
Max. current load outputs total [A]	6; (resistive load)
Number of relay outputs	4
Contact rating	6 A; (max. 240 V AC / 24 V DC see diagram:: Contact rating normally open (NO): B300: 6000 cycles)
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
Degree of soiling	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
Data bits	Data bit
	Input
	Output
	D0
	D1
	D2
	D3
	I-1
	I-2
	I-3
	I-4
	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

AC3258



AS-Interface control cabinet module

SmartL25 4DI 4DO R C

Material	plastics; PC-GF20	
Displays / operating elements		
Display	Switching status	LED, yellow I1...I4, O1...O4
	Power	LED, green AS-i
	errors	LED, red
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.	



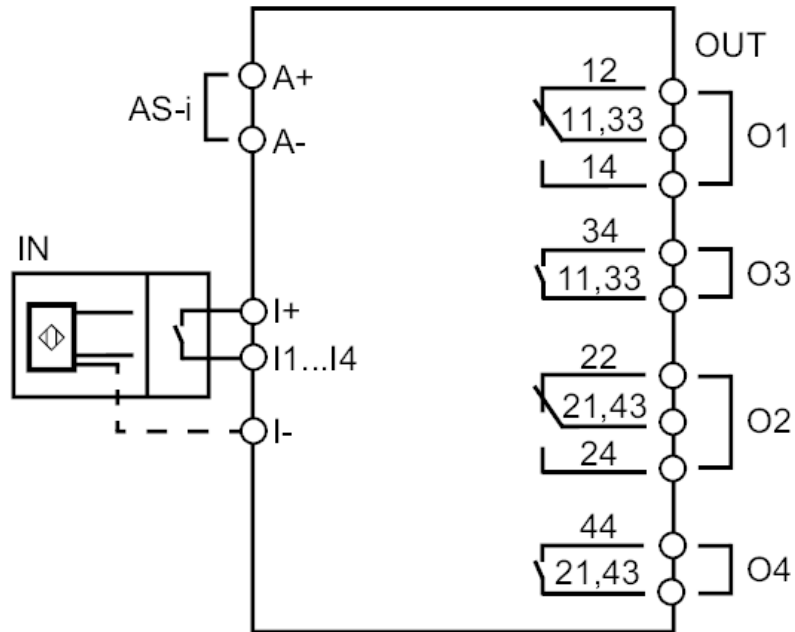
AS-Interface control cabinet module

SmartL25 4DI 4DO R C

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
14	Relay O1 Changeover contact, normally open
21	Relay O2 changeover contact, common
22	Relay O2 Changeover contact, normally closed
24	Relay O2 Changeover contact, normally open
33, 34	Relay O3 normally open
43, 44	Relay O4 normally open

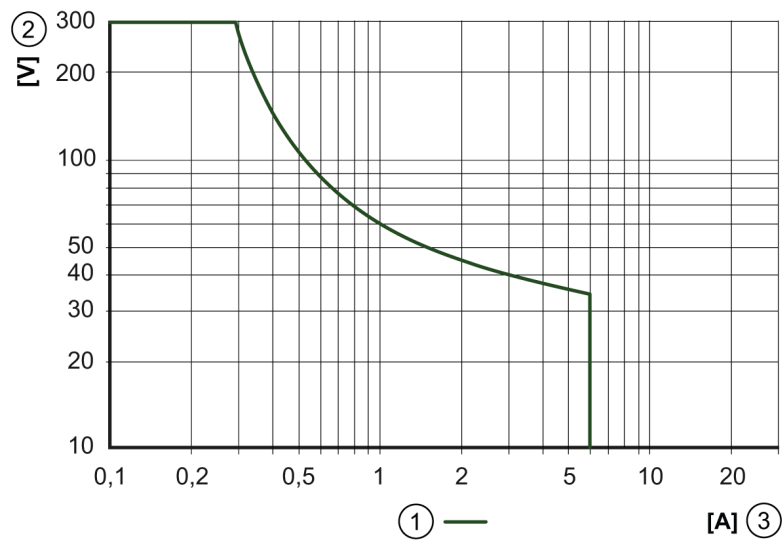


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Diagrams and graphs

Contact rating



- 1 resistive load
- 2 Voltage [DC]
- 3 Current [DC]