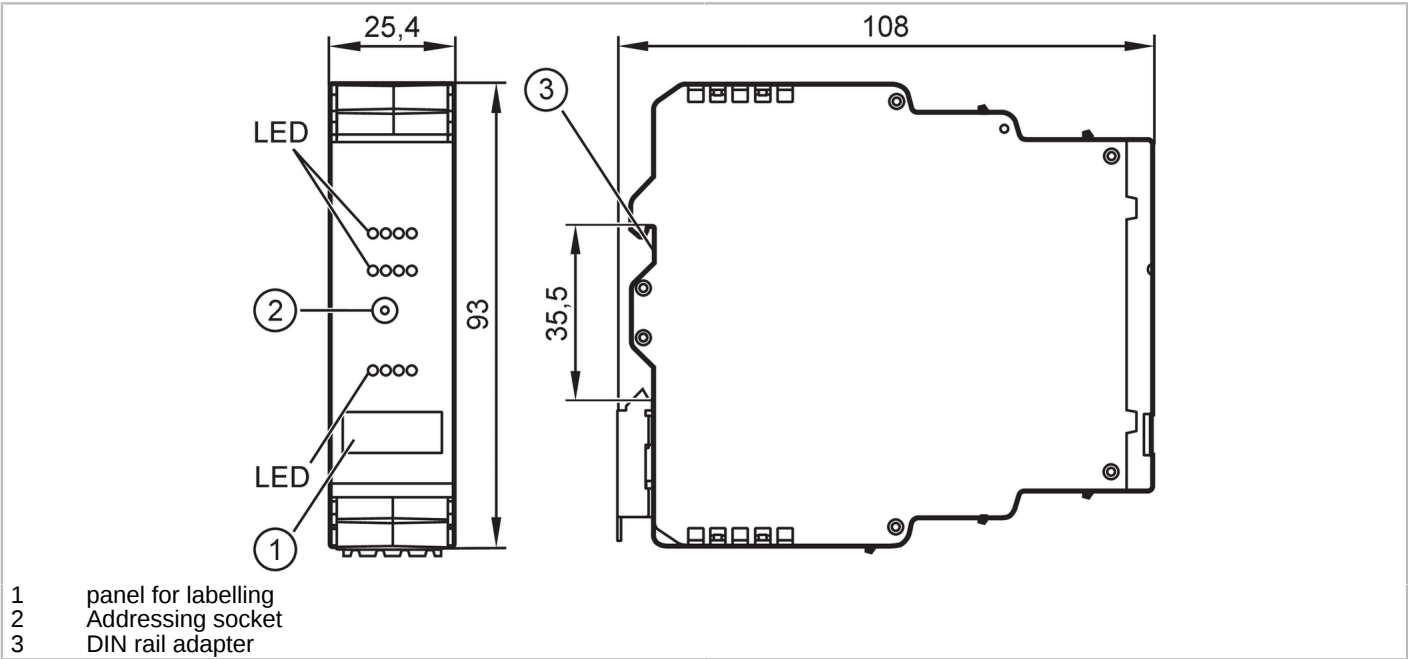




AS-Interface control cabinet module

SmartL25 4DI 2DO R C



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]	250
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
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
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; (240 V AC; 24 V DC; resistive load)



AS-Interface control cabinet module

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Max. current load outputs total [A]	6; (240 V AC; 24 V DC; resistive load)
Number of relay outputs	2
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...60
Max. relative air humidity [%]	90; (non condensing)
Max. height above sea level [m]	2000
Protection	IP 20
Pollution degree	2

Tests / approvals

EMC	EN 61000-6-2	
	EN 62026-2	
	EN 50581	
MTTF [years]	325	

AS-i classification

AS-i version	2.11; 3.0				
AS-i addressing	Addressing socket				
Extended addressing mode	yes				
AS-i profile	S-7.A.E				
AS-i I/O configuration [hex]	7				
AS-i ID code [hex]	A.E				
AS-i certificate pending	yes				
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]	159.8
Housing	rectangular
Type of mounting	Mounting on DIN rail; (TH35 (EN 60715))
Dimensions [mm]	93 x 25.4 x 108
Material	PC-GF20

Displays / operating elements

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

Accessories

Accessories (optional)	connector
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Remarks

Pack quantity	1 pcs.
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AS-Interface control cabinet module

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Electrical connection

pin header:

Connection

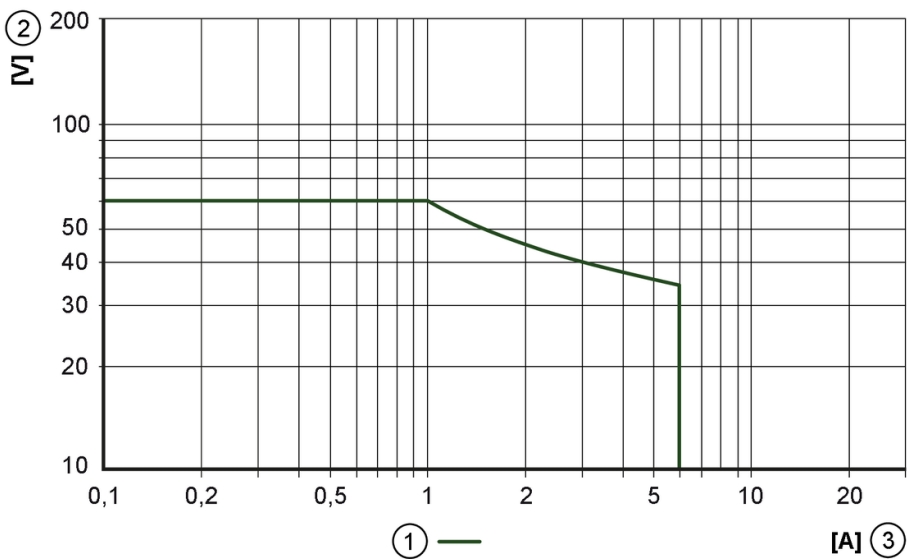
I-	I-	I-	I-
I1	I2	I3	I4
I+	I+	I+	I+

14	11	11	12
24	21	21	22
A+	A-		

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
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

Diagrams and graphs

Contact rating



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