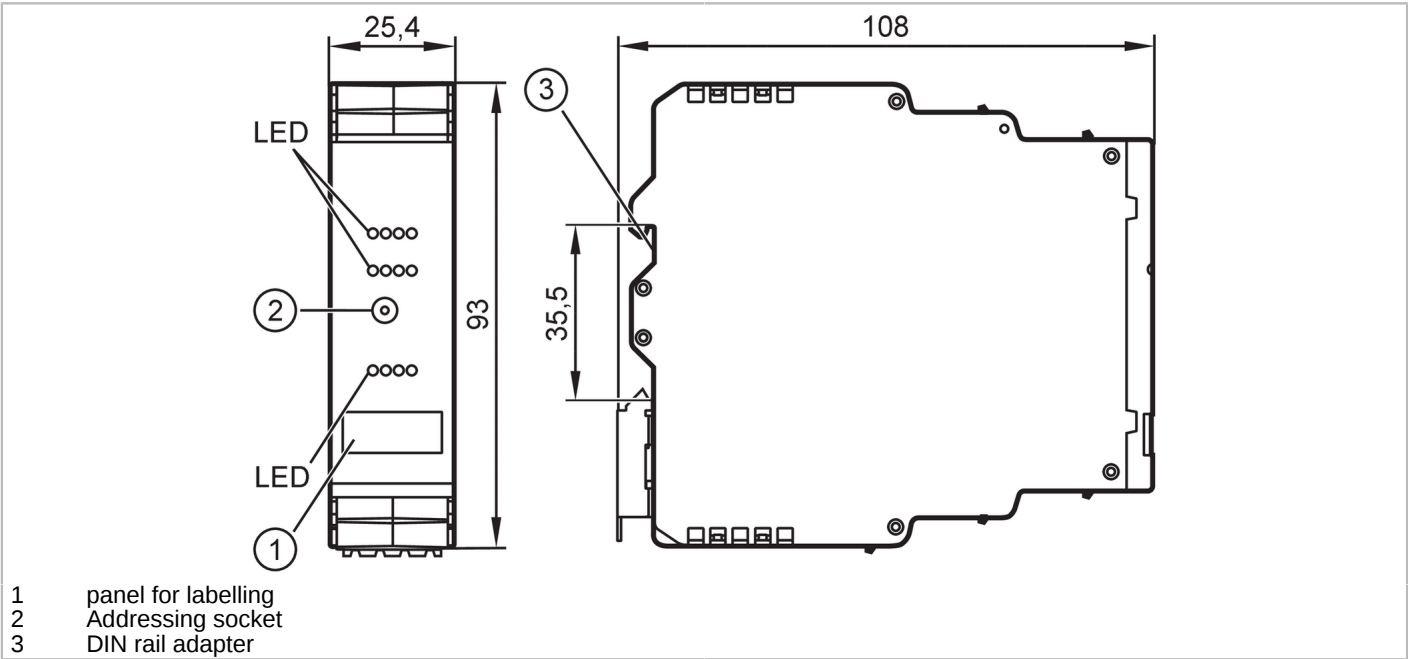




AS-Interface control cabinet module

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]	50
Additional voltage supply	[V]	20...30 DC; (AUX)
Max. current consumption from additional supply	[mA]	600; (AUX)
Integrated watchdog		yes

Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 4; Number of relay outputs: 2
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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
Voltage supply [V]	18...30; (DC)
Max. total current rating of inputs [mA]	500
Input current High [mA]	6...10
Input current low [mA]	0...2
Switching level high [V]	> 11
Digital inputs protected against short circuits	yes



AS-Interface control cabinet module

SmartL25 4DI 2DO R C

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)				
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]	383				
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		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				
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]	150.2				
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....O2	
		Power			LED, green AS-i, AUX	
		errors			LED, red	



AS-Interface control cabinet module

SmartL25 4DI 2DO R C

Accessories

Accessories (optional)	connector
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Remarks

Pack quantity	1 pcs.
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Electrical connection

pin header:

Connection

I-	I-	E+	E-
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
E+	External voltage supply for sensors + 24 V (AUX)
E-	External voltage supply for sensors + 0 V (AUX)
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

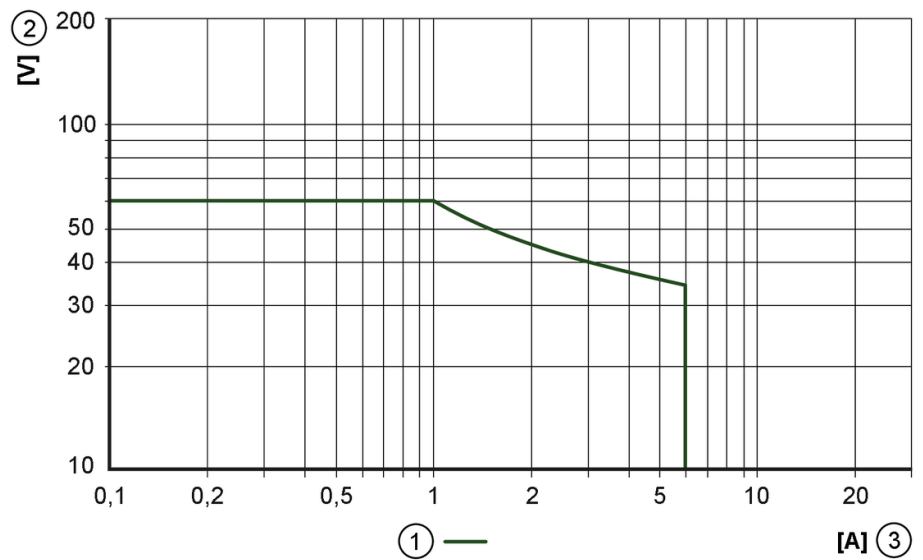


AS-Interface control cabinet module

SmartL25 4DI 2DO R C

Diagrams and graphs

Contact rating



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