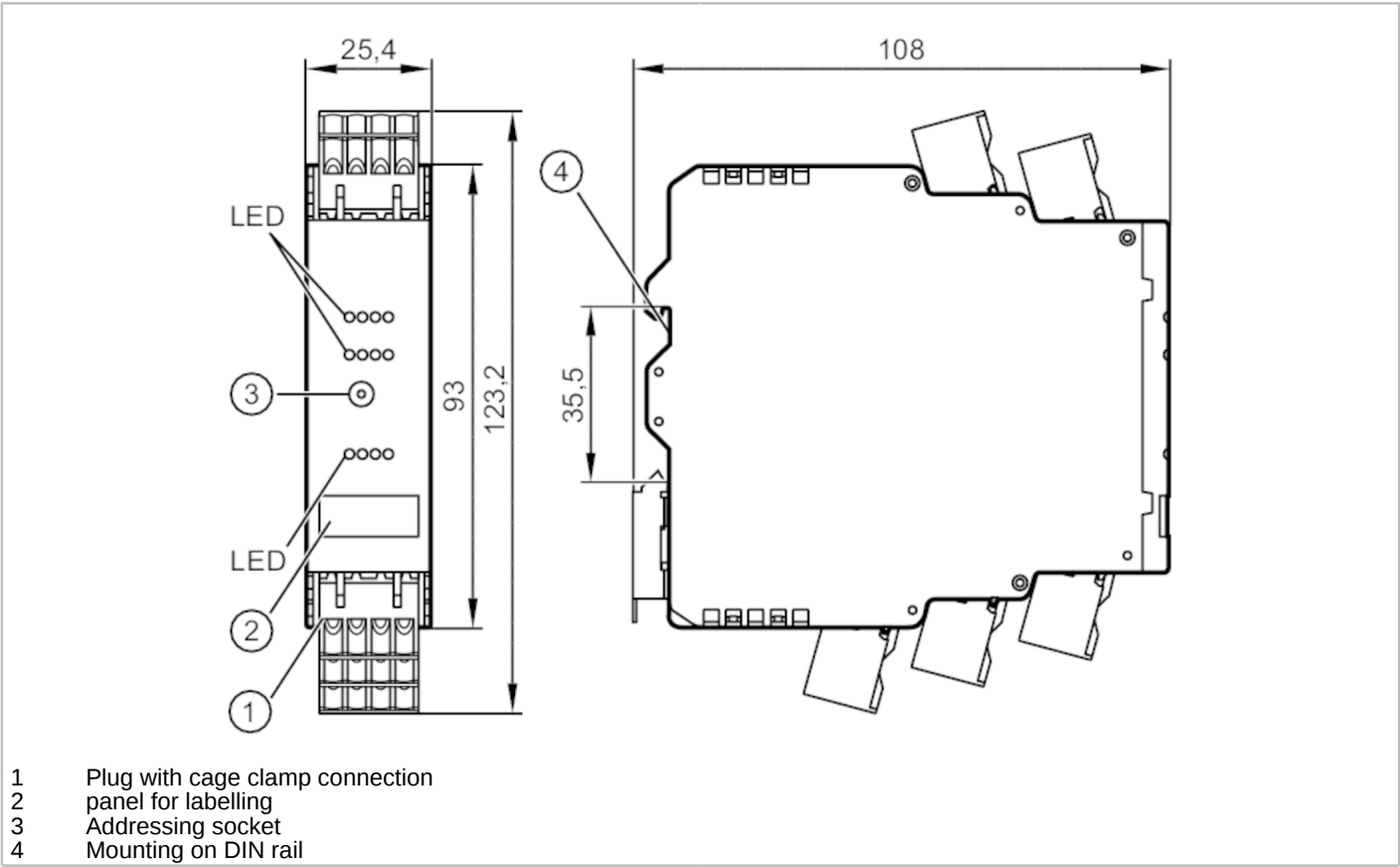




AS-Interface control cabinet module

SmartL25 4DI AUX 4DO R C



Application

Design	housing for DIN rail mounting, Only for operation with AS-i masters with the profile M4
Application	I/O modules for control cabinet installations

Electrical data

Operating voltage	[V]	18...31.6 DC
Max. current consumption from AS-i	[mA]	30
Additional voltage supply	[V]	20...30 DC; (AUX)
Max. current consumption from additional supply	[mA]	1100; (AUX)
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		AUX
Voltage supply	[V]	18...30; (DC AUX)
Max. total current rating of inputs	[mA]	1000
Input current High	[mA]	6...10



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Input current low	[mA]	0...2
Switching level high	[V]	> 11
Digital inputs protected against short circuits		yes
Outputs		
Voltage range DC	[V]	24; (AUX; 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]	248
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		3.0
AS-i addressing		Addressing socket
Extended addressing mode		yes
AS-i master profile		M4
AS-i profile		S-7.A.7
AS-i I/O configuration	[hex]	7
AS-i ID code	[hex]	A.7
AS-i ID1 code	[hex]	7; (fixed)
AS-i certificate		124301

AC3221



AS-Interface control cabinet module

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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] 203.35
Housing	rectangular
Type of mounting	Mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm] 123.2 x 25.4 x 108
Material	plastics; PC-GF20

Displays / operating elements		
Display	Switching status	LED, yellow I1...I4, O1...O4
	Power	LED, green AS-i, AUX
	errors	LED, red

Accessories	
Items supplied	cage clamps

Remarks	
Pack quantity	1 pcs.



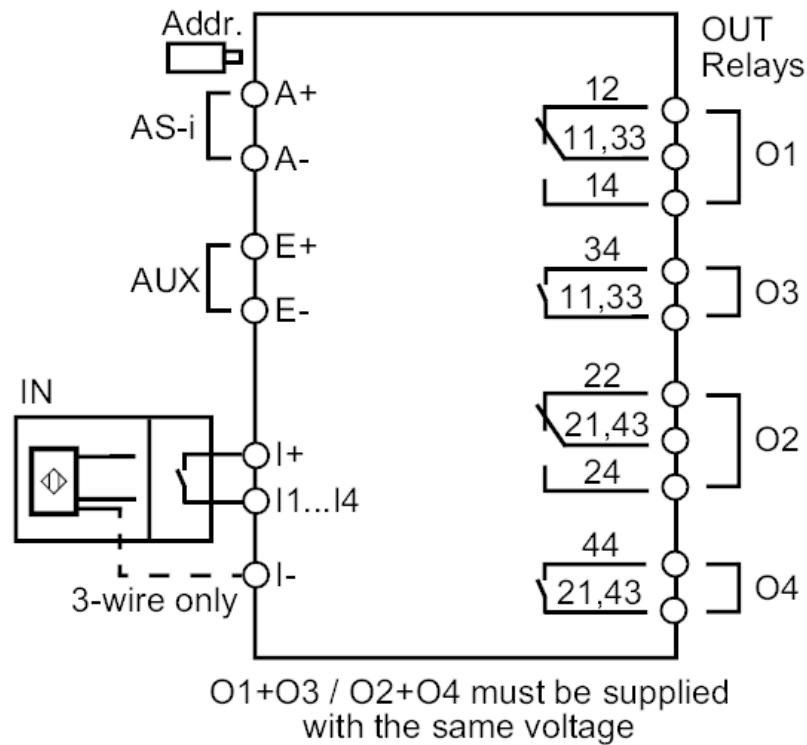
AS-Interface control cabinet module

SmartL25 4DI AUX 4DO R C

Electrical connection

pin headers: 4 x ; Spacing: 5.0 mm

Connection



A+	AS-i +
A-	AS-i -
E+	External voltage supply for sensors + 24 V (AUX)
E-	External voltage supply for sensors + 0 V (AUX)
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



AS-Interface control cabinet module

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Diagrams and graphs

Contact rating

