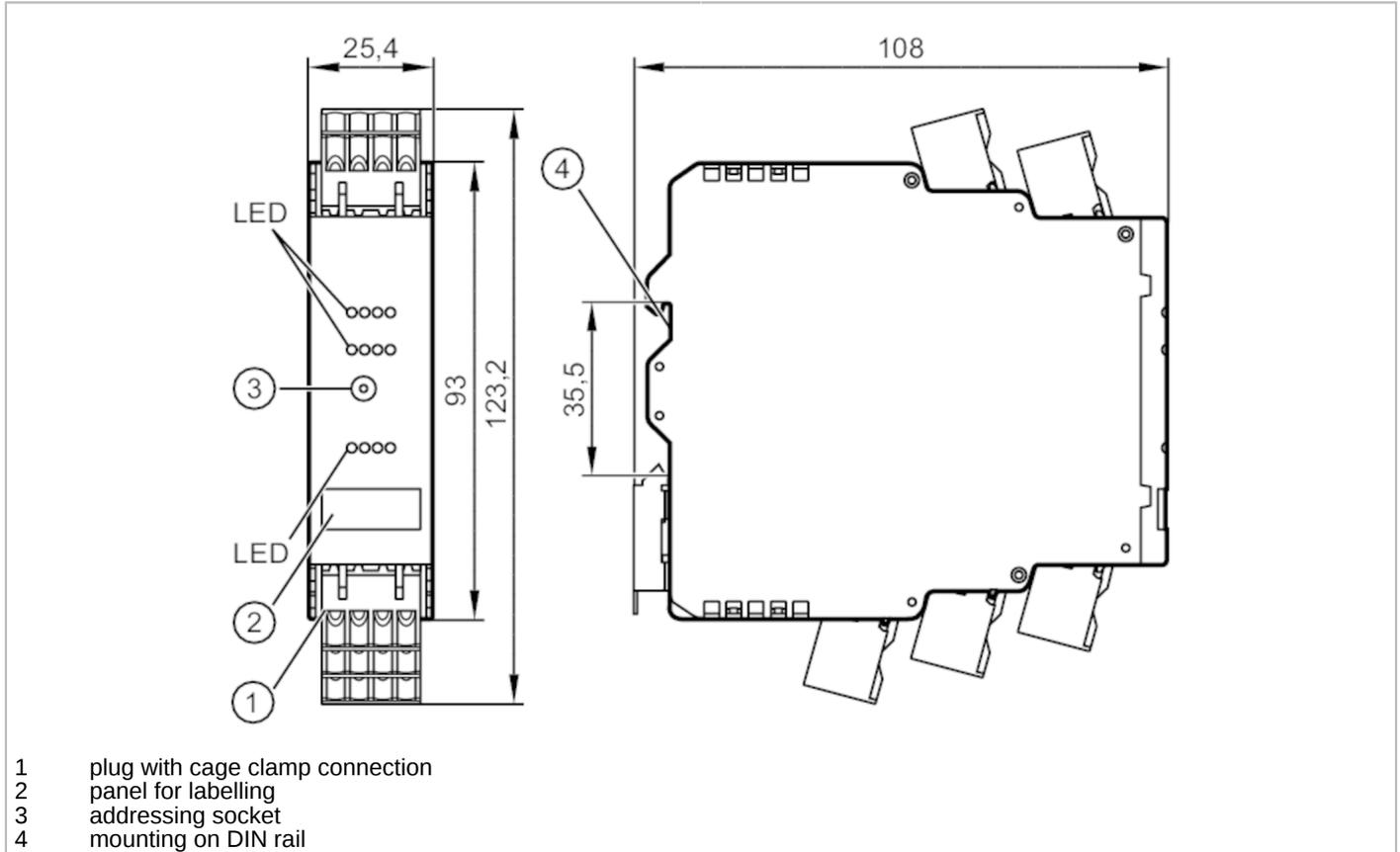


AC3258



AS-Interface control cabinet module

SmartL25 4DI 4DO R C



Application

Application	Installation in control cabinets
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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
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
Digital inputs protected against short circuits	yes



AS-Interface control cabinet module

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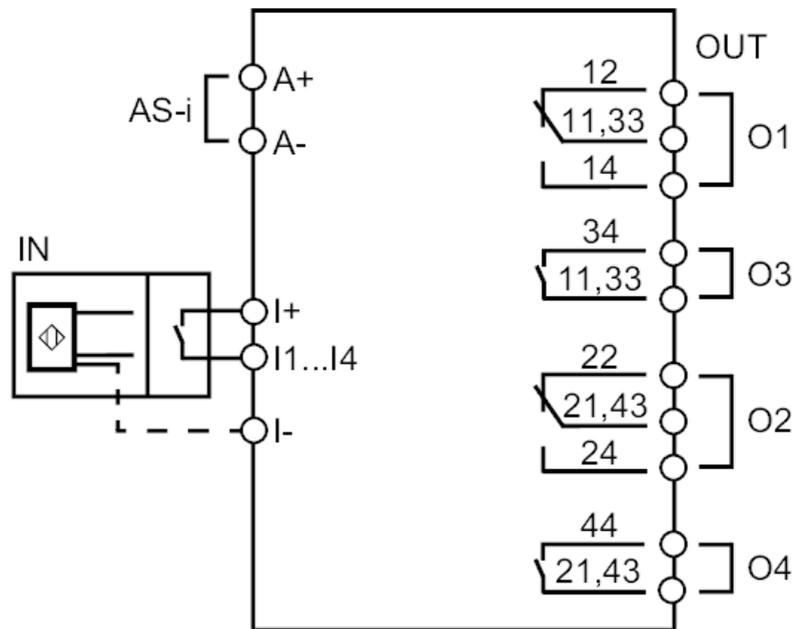
Outputs																
Voltage range DC [V]	24; (The outputs O1 + O3 and O2 + O4 must be supplied in pairs with the same voltage. 2 x 24 V DC)															
Voltage range AC [V]	10...240; (The outputs O1 + O3 and O2 + O4 must be supplied in pairs with the same voltage. 2 x 240 V AC)															
Max. current load per output [mA]	6000; (ohmic resistance)															
Max. current load outputs total [A]	6; (ohmic resistance)															
Number of relay outputs	4															
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															
Pollution degree	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															
Assignment of the data bits	<table border="1"> <thead> <tr> <th>data bit</th> <th>D0</th> <th>D1</th> <th>D2</th> <th>D3</th> </tr> </thead> <tbody> <tr> <td>input</td> <td>I-1</td> <td>I-2</td> <td>I-3</td> <td>I-4</td> </tr> <tr> <td>Output</td> <td>O-1</td> <td>O-2</td> <td>O-3</td> <td>O-4</td> </tr> </tbody> </table>	data bit	D0	D1	D2	D3	input	I-1	I-2	I-3	I-4	Output	O-1	O-2	O-3	O-4
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]	214.7															
Housing	housing for DIN rail mounting															
Type of mounting	mounting on DIN rail															
Dimensions [mm]	123.2 x 25.4 x 108															
Materials	plastics; PC-GF20															



AS-Interface control cabinet module

SmartL25 4DI 4DO R C

Displays / operating elements	
Display	switching status LED, yellow I1...I4, O1...O4
	operation 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.
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 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
33, 34	relay O3 normally open
43, 44	relay O4 normally open