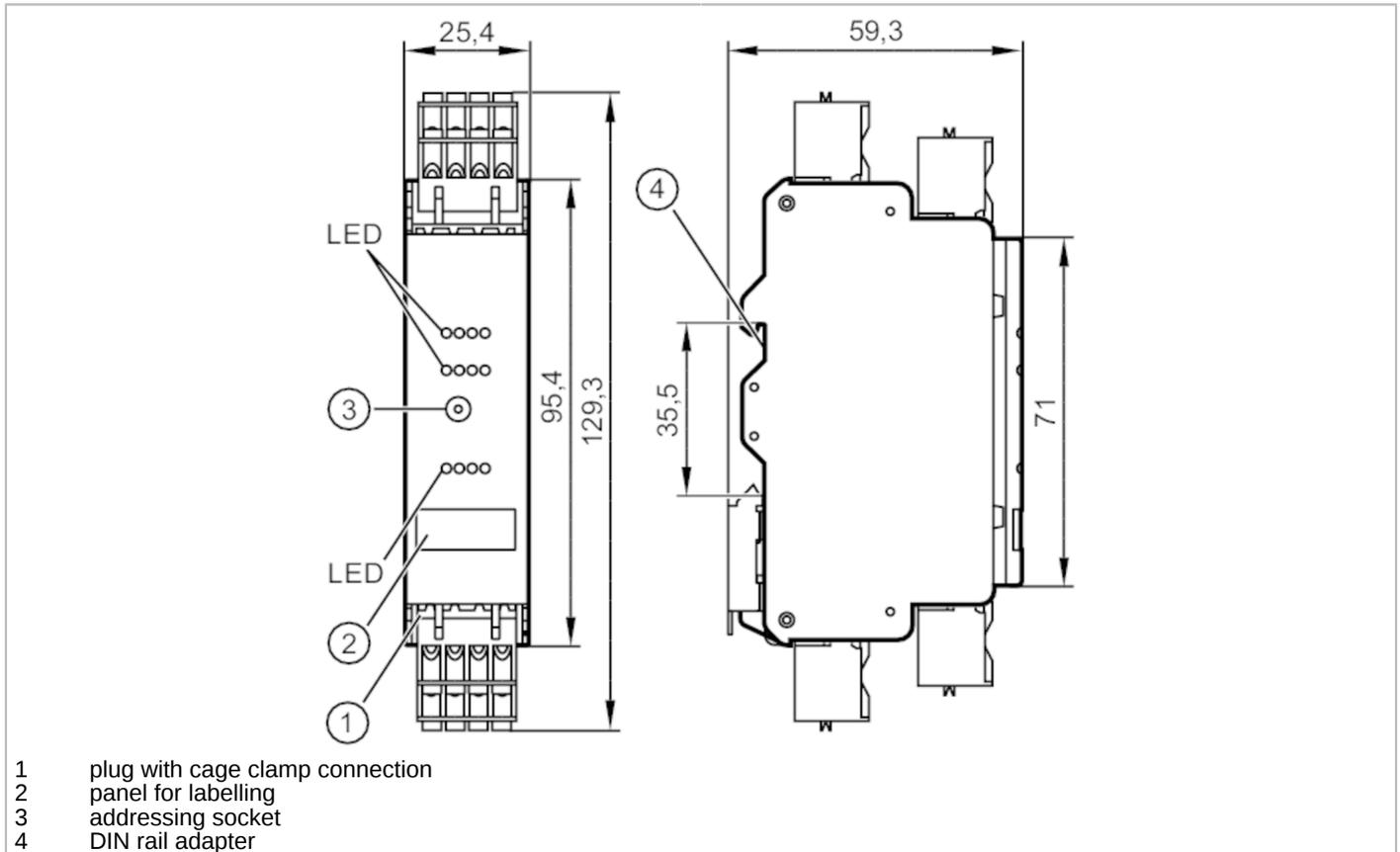




AS-Interface control cabinet module

SmartL25 4DI AUX 3DO T C



Application	
Application	Installation in control cabinets
Electrical data	
Operating voltage [V]	18...31.6 DC
Max. current consumption from AS-i [mA]	250
Additional voltage supply [V]	20...30 DC; (AUX)
Max. current consumption from additional supply [mA]	4100; (AUX)
Integrated watchdog	yes
Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 4; Number of digital outputs: 3
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
Power supply [V]	18...30; (DC)
Max. total current rating of inputs [mA]	1000
Input current High [mA]	6...10
Input current Low [mA]	0...2



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Switching level high	[V]	> 11															
Digital inputs protected against short circuits		yes															
Outputs																	
Number of digital outputs		3															
Circuit		PNP															
Voltage range DC	[V]	20...30; (AUX)															
Max. current load per output	[mA]	1000; (utilisation category DC-12: 700 mA; utilisation category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1))															
Max. current load outputs total	[A]	3															
Short-circuit proof		yes															
Electrically separated		yes															
Actuator supply outputs		AUX															
Operating conditions																	
Ambient temperature	[°C]	-25...60															
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: > 40 °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]	282															
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															
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>-</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	-
data bit	D0	D1	D2	D3													
input	I-1	I-2	I-3	I-4													
Output	O-1	O-2	O-3	-													
Mechanical data																	
Weight	[g]	117.7															
Housing		housing for DIN rail mounting															



AS-Interface control cabinet module

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Type of mounting	mounting on DIN rail
Dimensions [mm]	129.3 x 25.4 x 59.3
Materials	plastics; PC-GF20

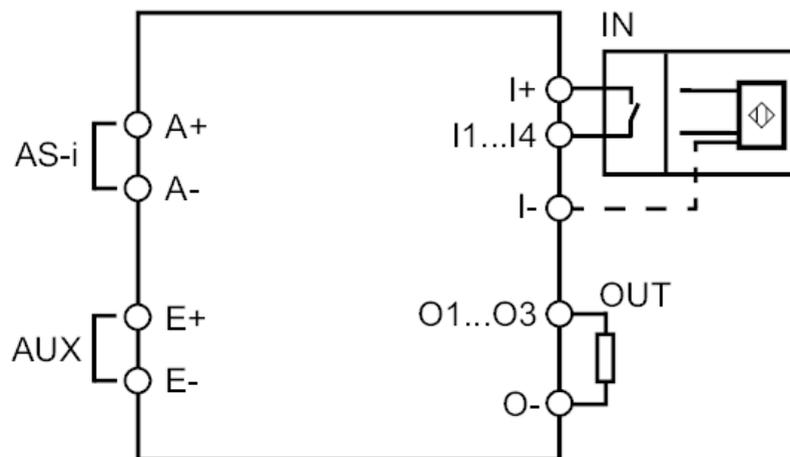
Displays / operating elements		
Display	switching status	LED, yellow I1...I4, O1...O3
	operation	LED, green AS-i, AUX
	errors	LED, red

Accessories	
Items supplied	cage clamps

Remarks	
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
E+	external voltage supply for sensors/actuators +24V (AUX)
E-	external voltage supply for sensors/actuators 0V (AUX)
I1...I4	switching input sensor 1...4
O1...O3	switching output actuator 1...3
O-	switching output actuator 0V