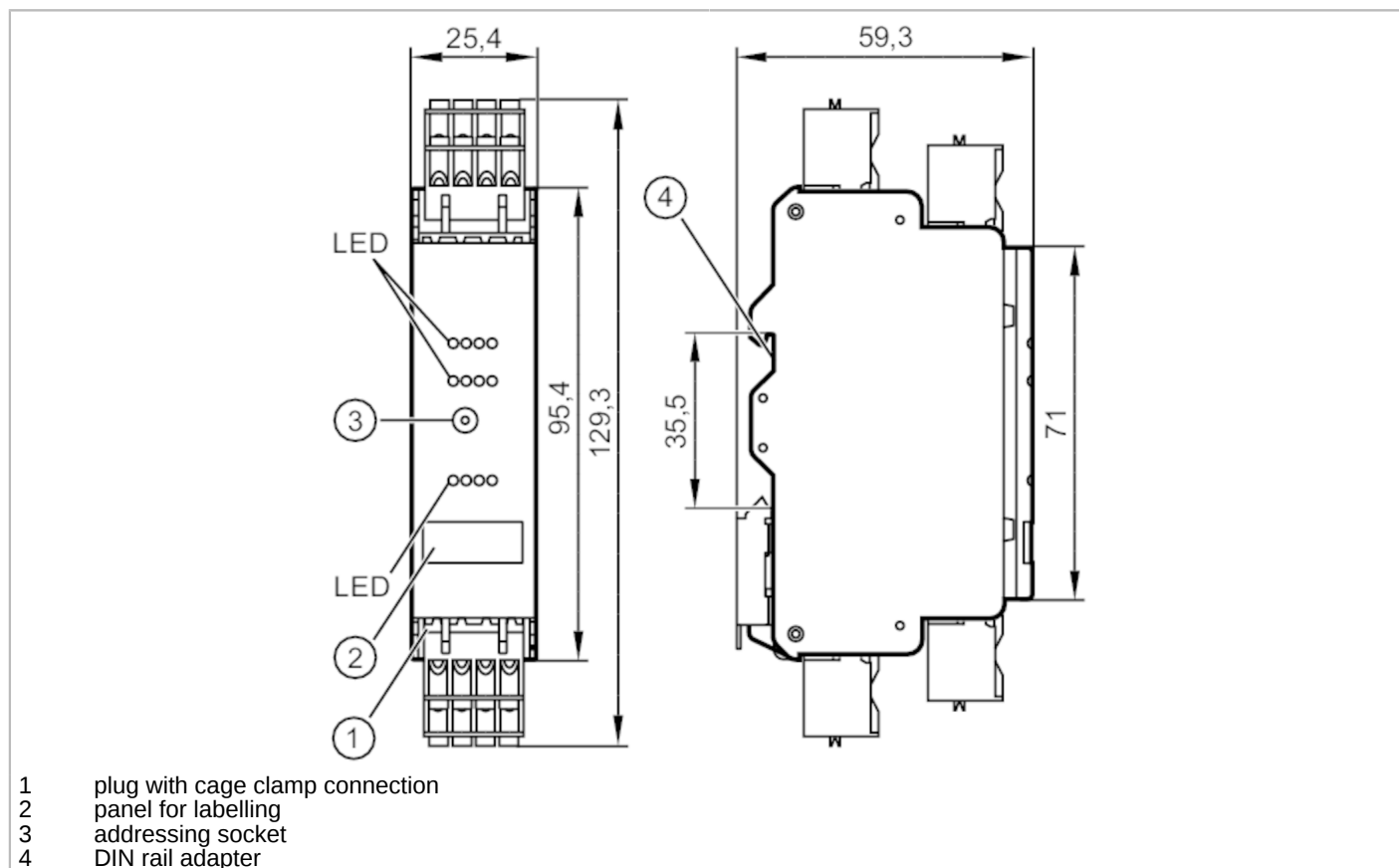


AS-Interface control cabinet module

SmartL25 4DI 4DO 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]	4000; (AUX)
Integrated watchdog		yes

Inputs / outputs

Number of inputs and outputs

Number of digital inputs: 4; Number of digital outputs: 4

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



AS-Interface control cabinet module

SmartL25 4DI 4DO T C

Switching level high	[V]	> 11				
Digital inputs protected against short circuits		yes				
Outputs						
Number of digital outputs		4				
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]	4				
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]	262				
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		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		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]	131.9				
Housing		housing for DIN rail mounting				



AS-Interface control cabinet module

SmartL25 4DI 4DO T C

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...O4
	operation	LED, green AS-i, AUX
	errors	LED, red

Accessories

Items supplied	cage clamps
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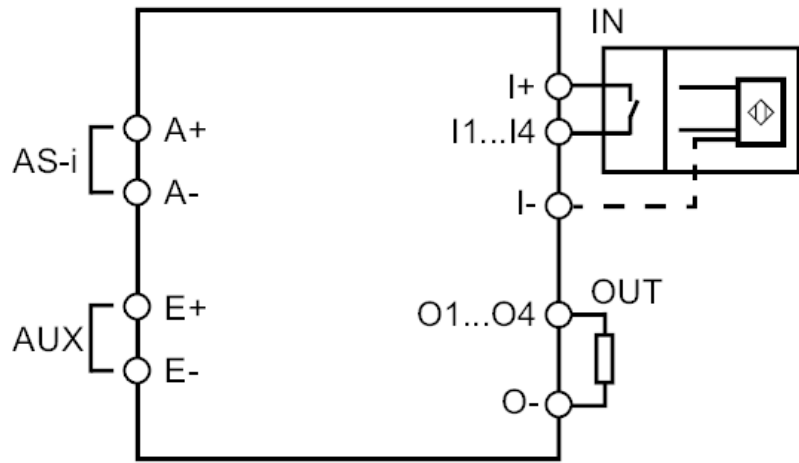
Remarks

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
E+	external voltage supply for actuators +24V (AUX)
E-	external voltage supply for actuators 0V (AUX)
I1...I4	switching input sensor 1...4
O1...O4	switching output actuator 1...4
O-	switching output actuator 0V