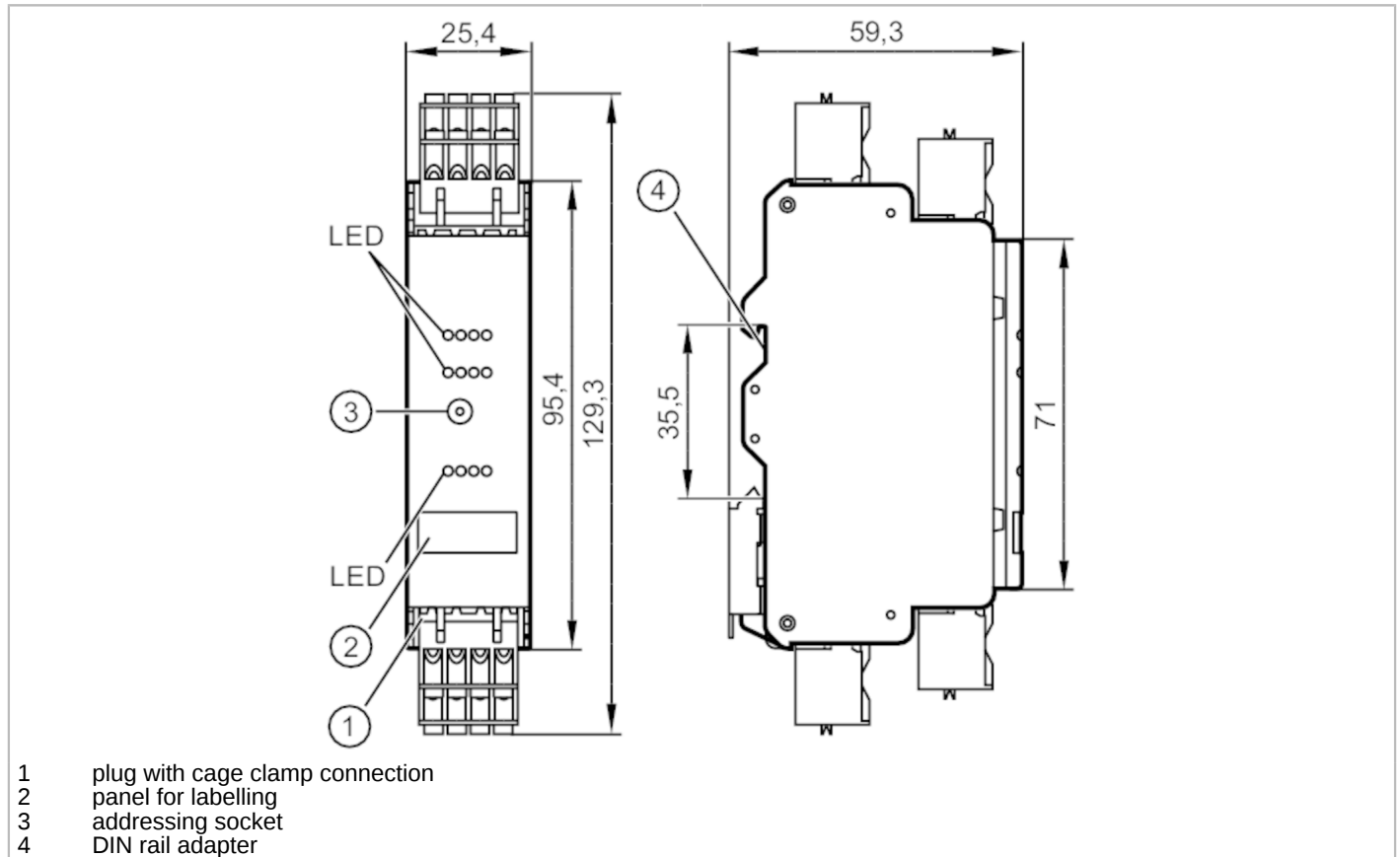


AS-Interface control cabinet module

SmartL25 4DI 4DO T C



Application

Application

Installation in control cabinets

Electrical data

Operating voltage	[V]	18...31.6 DC; (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.)
Max. current consumption from AS-i	[mA]	250
Max. current load total	[A]	4; (> 50 °C: 2000 mA)
Additional voltage supply	[V]	20...30 DC; (AUX)
Integrated watchdog		yes

Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 4; Number of digital 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] 16...30
Max. total current rating of inputs	[mA] 200
Input current High	[mA] 6...10



AS-Interface control cabinet module

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Input current Low	[mA]	0...2
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; (external (E+/E-), to SELV)
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))
Short-circuit proof		yes
Electrically separated		yes
Operating conditions		
Ambient temperature	[°C]	-25...65
Max. relative air humidity	[%]	90; (non condensing)
Max. height above sea level	[m]	2000
Protection		IP 20
Protection rating terminals		IP 20
Tests / approvals		
EMC	EN 62026-2	
	EN 61000-6-2	
	EN 61000-6-3	
MTTF	[years]	261
AS-i classification		
AS-i version		3.0
Extended addressing mode		yes
AS-i profile		S-7.A.7
AS-i I/O configuration	[hex]	7
AS-i ID code	[hex]	A.7
AS-i certificate		124401
Mechanical data		
Weight	[g]	136.5
Type of mounting		mounting on DIN rail; string mounting possible
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		COMBICON connectors
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.



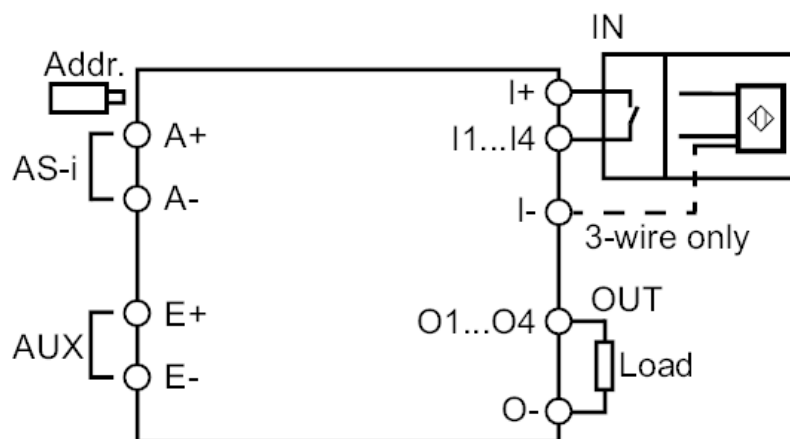
AS-Interface control cabinet module

SmartL25 4DI 4DO T C

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