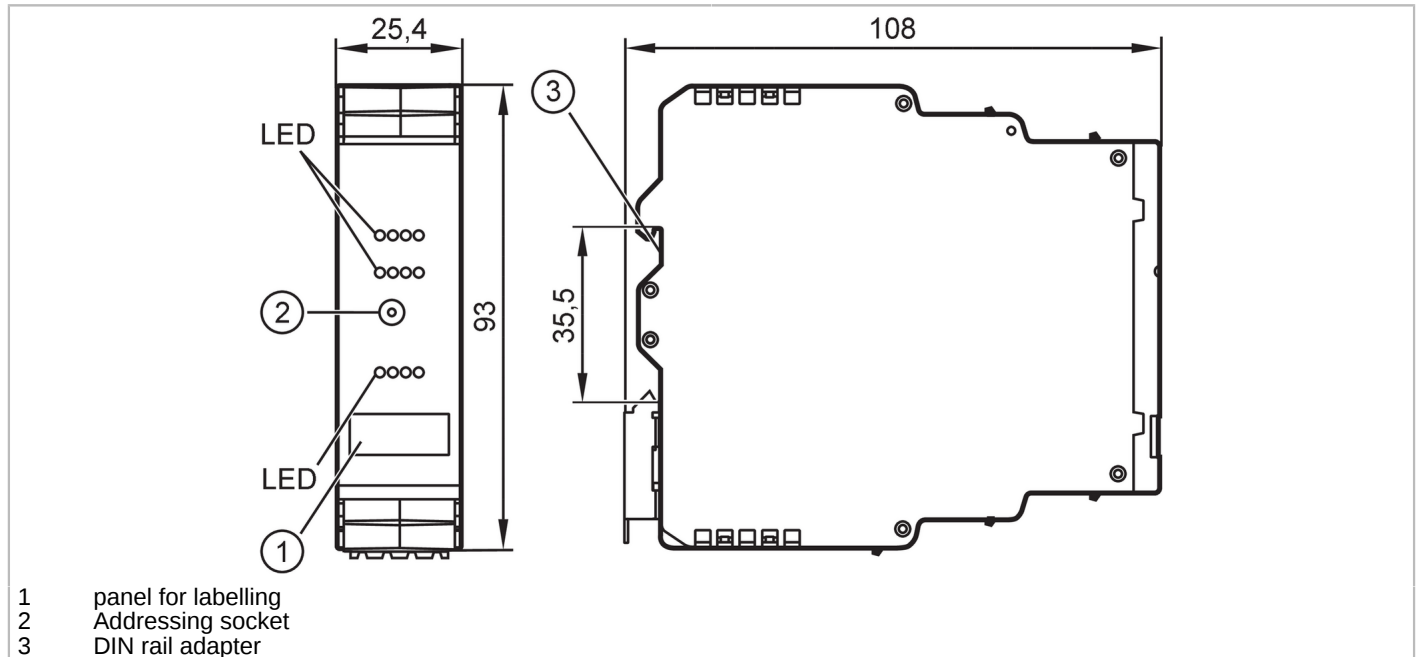




AS-Interface control cabinet module

SmartL25 4DI 4DO T C



Application

Design	housing for DIN rail mounting
Application	I/O modules for control cabinet installations

Electrical data

Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	50
Additional voltage supply	[V]	20...30 DC; (AUX)
Max. current consumption from additional supply	[mA]	4300; (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		AUX
Voltage 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						
Number of digital outputs		4				
Circuit		PNP				
Voltage range DC	[V]	20...30; (AUX)				
Max. current load per output	[mA]	1000; (utilization category DC-12: 700 mA; utilization 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...70				
Max. relative air humidity	[%]	90; (non condensing)				
Max. height above sea level	[m]	2000				
Protection		IP 20				
Pollution degree		2				
Tests / approvals						
EMC		EN 61000-6-2				
		EN 62026-2				
		EN 50581				
MTTF	[years]	186				
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				
AS-i certificate		37302				
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]	143				
Housing		rectangular				
Type of mounting		Mounting on DIN rail; (TH35 (EN 60715))				
Dimensions	[mm]	93 x 25.4 x 108				
Material		PC-GF20				



AS-Interface control cabinet module

SmartL25 4DI 4DO T C

Displays / operating elements

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

Accessories

Accessories (optional)	connector
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Remarks

Pack quantity	1 pcs.
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Electrical connection

pin header:

Connection

I-	I-	I-	I-
I1	I2	I3	I4
I+	I+	I+	I+

O-	O-	O-	O-
O1	O2	O3	O4
A+	A-	E+	E-

A+	AS-i +
A-	AS-i -
I+	Sensor supply +24V
I-	Sensor supply 0V
E+	external sensor supply for sensors/actuators +24V (AUX)
E-	external sensor supply for sensors/actuators 0V (AUX)
I1...I4	Switching input sensor 1...4
O-	Switching output actuator 0V
O1...O4	Switching output actuator 1...4