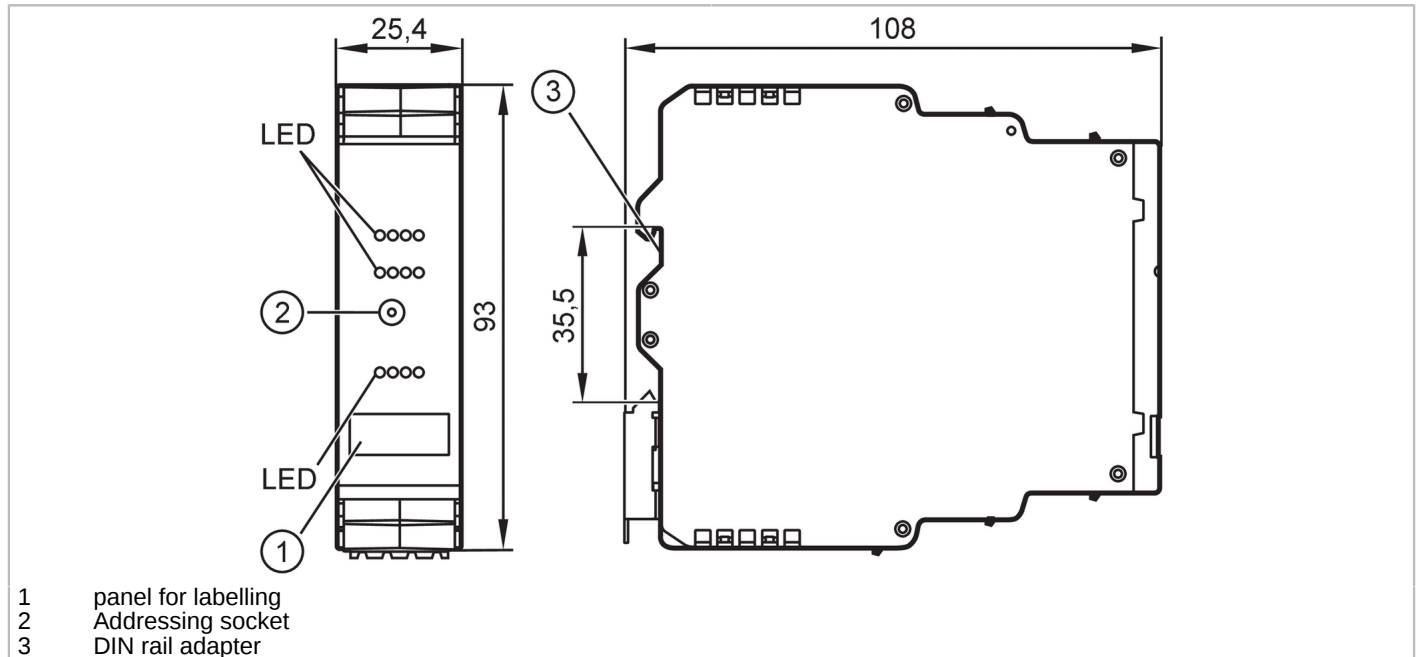




AS-Interface control cabinet module

SmartLine25 4DI 3DO T C AUX



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
Max. current consumption from additional supply	[mA]	3300; (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
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



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Outputs						
Number of digital outputs	3					
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]	3					
Short-circuit proof	yes					
Electrically separated	yes					
Actuator supply outputs	AUX					
Operating conditions						
Ambient temperature [°C]	-20...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]	187					
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					
AS-i certificate pending	yes					
Data bits	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]	143.5					
Housing	rectangular					
Type of mounting	Mounting on DIN rail; (TH35 (EN 60715))					
Dimensions [mm]	93 x 25.4 x 108					
Material	PC-GF20					



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Displays / operating elements

Display	Switching status	LED, yellow I1...I4, O1....O3
	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	
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
O1...O3	Switching output actuator 1...3
O-	Switching output actuator 0V