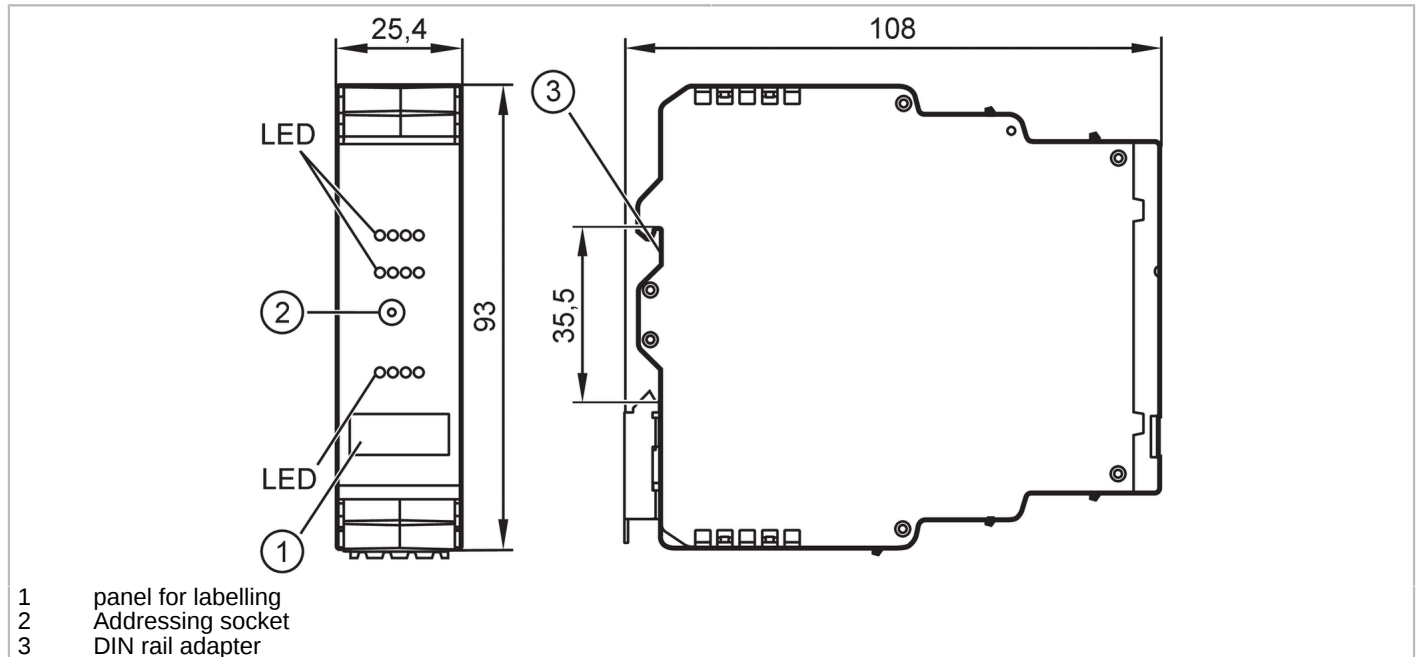




AS-Interface control cabinet module

SmartLine25 4DI 4DO A/B T C



Application		
Design	housing for DIN rail mounting, Only for operation with AS-i masters with the profile M4	
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]	250
Additional voltage supply	[V]	20...30 DC
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
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

SmartLine25 4DI 4DO A/B T C

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					
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: > 60 °C					
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]	235					
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	3.0					
AS-i addressing	Addressing socket					
Extended addressing mode	yes					
AS-i master profile	M4					
AS-i profile	S-7.A.7					
AS-i I/O configuration [hex]	7					
AS-i ID code [hex]	A.7					
AS-i certificate	60702					
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]	150					
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

SmartLine25 4DI 4DO A/B 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																									
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 header:																										
Connection																										
<table><tr><td>I-</td><td>I-</td><td>I-</td><td>I-</td></tr><tr><td>I¹</td><td>I²</td><td>I³</td><td>I⁴</td></tr><tr><td>I+</td><td>I+</td><td>I+</td><td>I+</td></tr></table> <table><tr><td>O-</td><td>O-</td><td>O-</td><td>O-</td></tr><tr><td>O¹</td><td>O²</td><td>O³</td><td>O⁴</td></tr><tr><td>A+</td><td>A-</td><td>E+</td><td>E-</td></tr></table>			I-	I-	I-	I-	I ¹	I ²	I ³	I ⁴	I+	I+	I+	I+	O-	O-	O-	O-	O ¹	O ²	O ³	O ⁴	A+	A-	E+	E-
I-	I-	I-	I-																							
I ¹	I ²	I ³	I ⁴																							
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O-	O-	O-	O-																							
O ¹	O ²	O ³	O ⁴																							
A+	A-	E+	E-																							
A+	AS-i +																									
A-	AS-i -																									
I+	Sensor supply +24V																									
I-	Sensor supply 0V																									
E+	Actuator supply +24V																									
E-	Actuator supply 0V																									
I1...I4	Switching input sensor 1...4																									
O1...O4	Switching output actuator 1...4																									
O-	Switching output actuator 0V																									