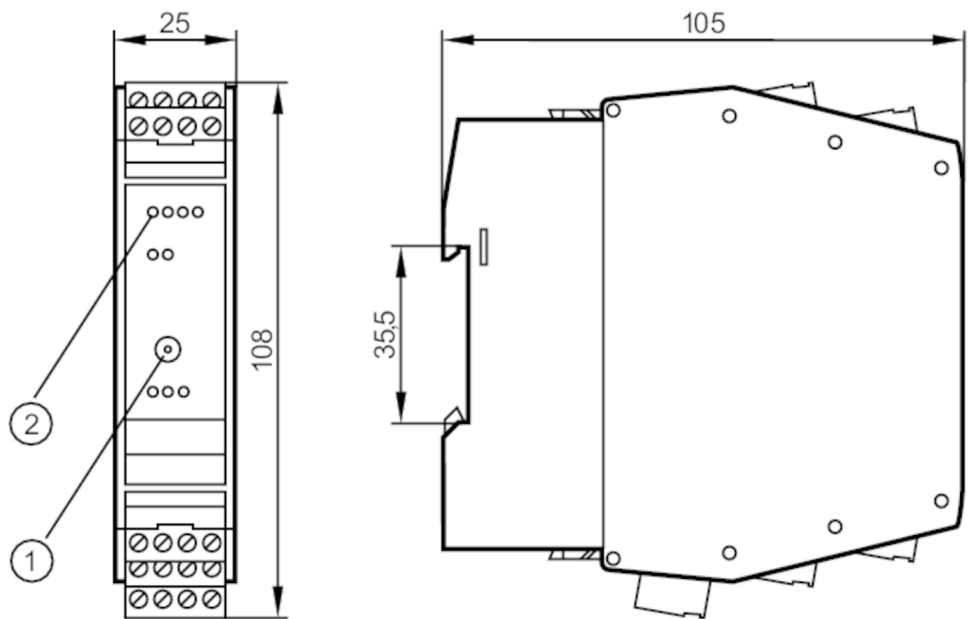




AS-Interface control cabinet module

SmartLine25 4DI 4DO T C AUX



- 1 Addressing socket
- 2 LED



Application		
Design	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]	50
Additional voltage supply	[V]	20 DC
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	
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]	20...30; (DC)
Max. total current rating of inputs	[mA]	200
Input current High	[mA]	6...10
Input current low	[mA]	0...2



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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; (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
Degree of soiling		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		3.0
AS-i addressing		Addressing socket
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
Data bits	Data bit	D0
	Input	I-1
	Output	O-1
		D1
		I-2
		O-2
		D2
		I-3
		O-3
		D3
		I-4
		O-4
Mechanical data		
Weight	[g]	144.8
Type of mounting		Mounting on DIN rail
Dimensions	[mm]	108 x 25 x 105
Material		PA



AS-Interface control cabinet module

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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																										
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-	I1	I2	I3	I4	I+	I+	I+	I+	O-	O-	O-	O-	O1	O2	O3	O4	A+	A-	E+	E-
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																									