AC2267

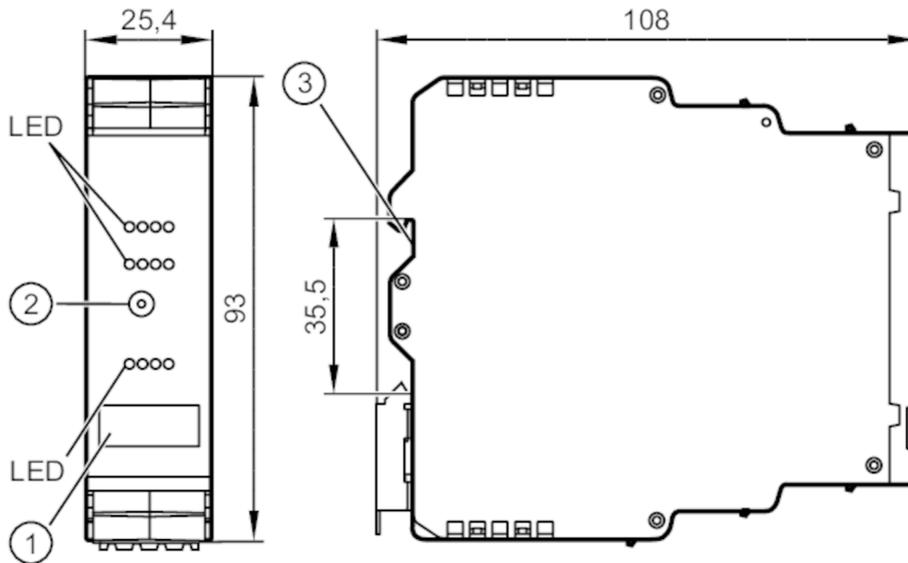### AS-Interface control cabinet module

SmartLine25 4DI 4DO T C AUX

1   panel for labelling
2   addressing socket
3   DIN rail adapter

Application	
Design	only for operation with AS-i masters with the profile M4
Application	Installation in control cabinets

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
Power supply	[V]	20...30; (DC)
Max. total current rating of inputs	[mA]	200

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Input current High	[mA]	6...10
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; (AUX)
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))
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		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 pending		yes			
Assignment of the 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]	144.8
Housing		housing for DIN rail mounting

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Type of mounting		mounting on DIN rail
Dimensions	[mm]	93 x 25.4 x 108
Materials		PC-GF20

Displays / operating elements

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

Accessories

Accessories (optional)	connectors

Remarks

Pack quantity	1 pcs.

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 voltage supply for sensors/actuators +24V (AUX)
E-   external voltage 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