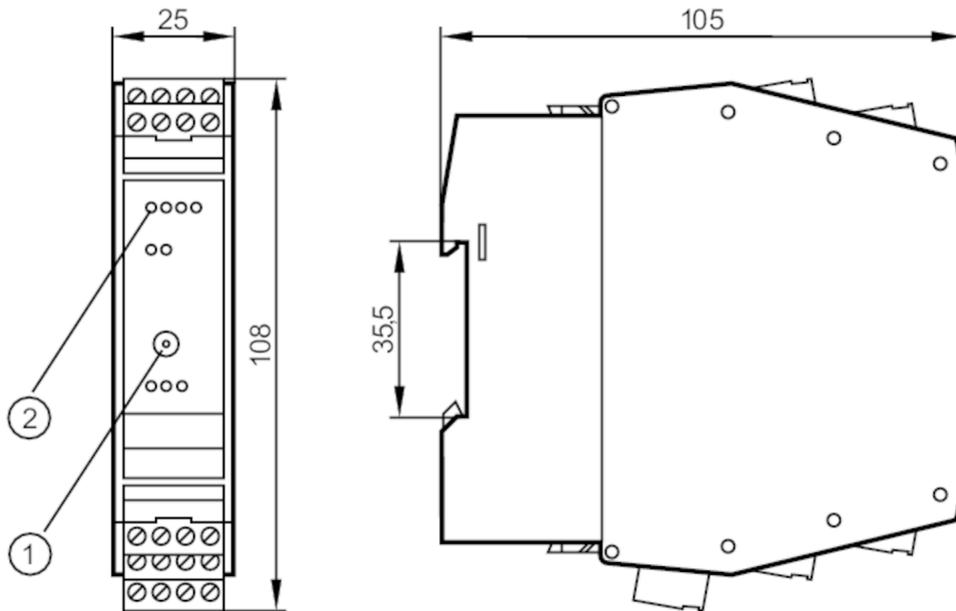




AS-Interface control cabinet module

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	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
Input current High	[mA] 6...10
Input current Low	[mA] 0...2



AS-Interface control cabinet module

SmartLine25 4DI 4DO T C AUX

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 profile		S-7.A.7															
AS-i I/O configuration	[hex]	7															
AS-i ID code	[hex]	A.7															
Assignment of the data bits		<table border="1"> <thead> <tr> <th>data bit</th> <th>D0</th> <th>D1</th> <th>D2</th> <th>D3</th> </tr> </thead> <tbody> <tr> <td>input</td> <td>I-1</td> <td>I-2</td> <td>I-3</td> <td>I-4</td> </tr> <tr> <td>Output</td> <td>O-1</td> <td>O-2</td> <td>O-3</td> <td>O-4</td> </tr> </tbody> </table>	data bit	D0	D1	D2	D3	input	I-1	I-2	I-3	I-4	Output	O-1	O-2	O-3	O-4
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
Type of mounting		mounting on DIN rail
Dimensions	[mm]	108 x 25 x 105
Materials		PA



AS-Interface control cabinet module

SmartLine25 4DI 4DO T C AUX

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