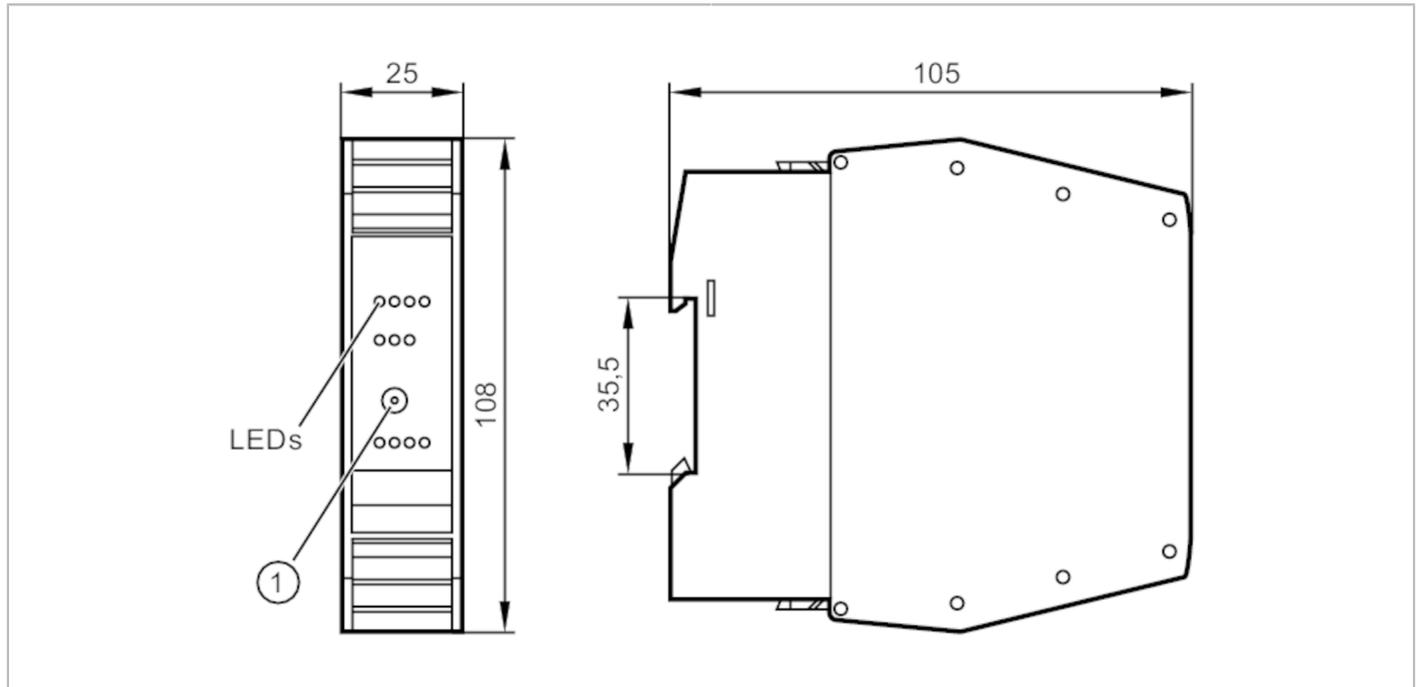




## AS-Interface control cabinet module

SmartL25 4DI 4DO T C



Application	
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...30 DC; (AUX)
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]	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
Outputs	
Number of digital outputs	4



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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	2.11; 3.0				
AS-i addressing	addressing socket				
Extended addressing mode	no				
AS-i profile	S-7.0.E				
AS-i I/O configuration [hex]	7				
AS-i ID code [hex]	0.E				
AS-i certificate	37302				
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]	143
Type of mounting	mounting on DIN rail
Materials	PA

### 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
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### 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