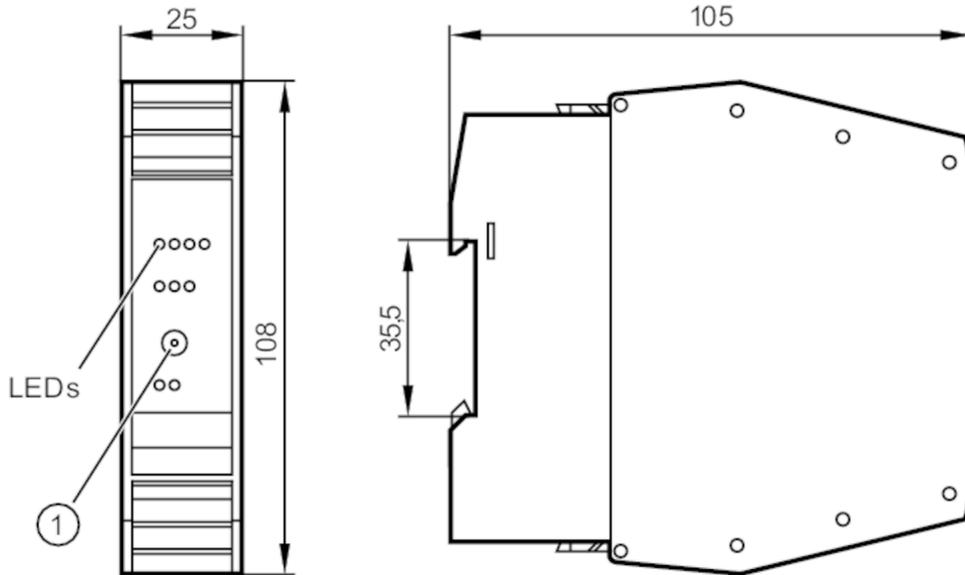




AS-Interface control cabinet module

SmartL25 4DI 2DO R C



1 addressing socket



Application	
Application	Installation in control cabinets
Electrical data	
Operating voltage [V]	26.5...31.6 DC
Max. current consumption from AS-i [mA]	250
Integrated watchdog	yes
Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 4; Number of relay outputs: 2
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
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	
Voltage range DC [V]	24; (All outputs have to be supplied with the same voltage.: 2 x 24 V DC)



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Voltage range AC	[V]	10...240; (All outputs have to be supplied with the same voltage.: 2 x 240 V AC, same phase conductor)
Max. current load per output	[mA]	6000; (240 V AC; 24 V DC; ohmic resistance)
Max. current load outputs total	[A]	6; (240 V AC; 24 V DC; ohmic resistance)
Number of relay outputs		2
Short-circuit proof		no
Electrically separated		yes

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]	325

AS-i classification

AS-i version		2.11; 3.0			
AS-i addressing		addressing socket			
Extended addressing mode		yes			
AS-i master profile		M2; M3; M4			
AS-i profile		S-7.A.E			
AS-i I/O configuration	[hex]	7			
AS-i ID code	[hex]	A.E			
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	-	-

Mechanical data

Weight	[g]	159.8
Housing		housing for DIN rail mounting
Type of mounting		mounting on DIN rail
Dimensions	[mm]	108 x 25 x 105
Materials		PA

Displays / operating elements

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

Accessories

Accessories (optional)	connectors
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Remarks

Pack quantity	1 pcs.
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Electrical connection

pin header:

Connection

I-	I-	I-	I-
I1	I2	I3	I4
I+	I+	I+	I+

14	11	11	12
24	21	21	22
A+	A-		

A+	AS-i +
A-	AS-i -
I+	Sensor supply +24V
I-	Sensor supply 0V
I1...I4	switching input sensor 1...4
O1...O2	switching output relay 1...2
11	relay O1 changeover contact, common
12	relay O1 changeover contact, normally closed contact
14	relay O1 changeover contact, normally open
21	relay O2 changeover contact, common
22	relay O2 changeover contact, normally closed contact
24	relay O2 changeover contact, normally open