AC2254
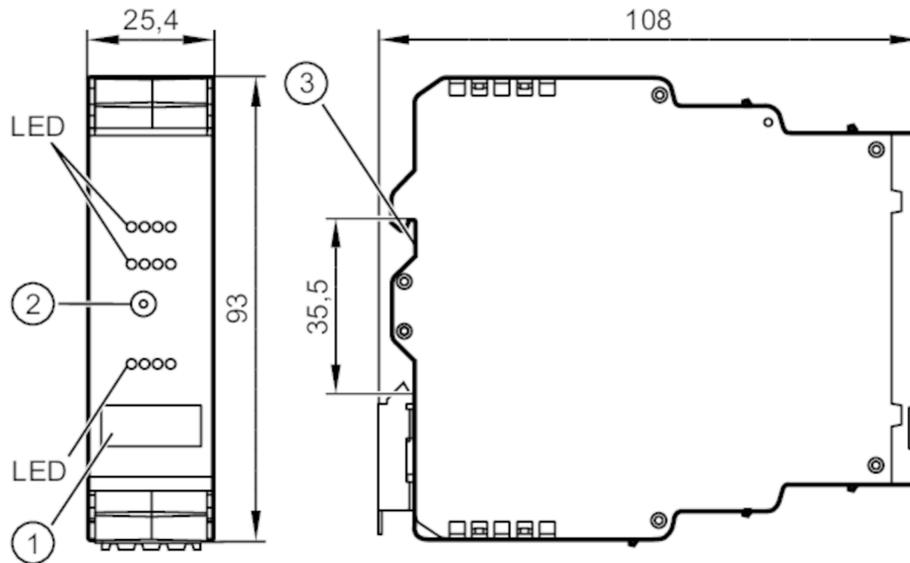
AS-Interface control cabinet module

SmartL25 4DI C

1   panel for labelling
2   addressing socket
3   DIN rail adapter

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]	600; (AUX)

Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 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]	500
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

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]	485	
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		yes						
AS-i master profile		M2; M3; M4						
AS-i profile		S-0.A.E						
AS-i I/O configuration	[hex]	0						
AS-i ID code	[hex]	A.E						
AS-i certificate		39402						
Assignment of the data bits		data bit	D0		D1		D2		D3
		input	I-1		I-2		I-3		I-4

Mechanical data

Weight	[g]	142
Housing		housing for DIN rail mounting
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
	operation	LED, green AS-i, AUX
	errors	LED, red

Accessories

Accessories (optional)	connectors

Remarks

Pack quantity	1 pcs.

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Electrical connection
pin header:
Connection

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

A+	A-		

A+	AS-i +
A-	AS-i -
I+	Sensor supply +24V
I-	Sensor supply 0V
E+	external sensor supply +24V
E-	external sensor supply 0V
I1...I4	switching input sensor 1...4