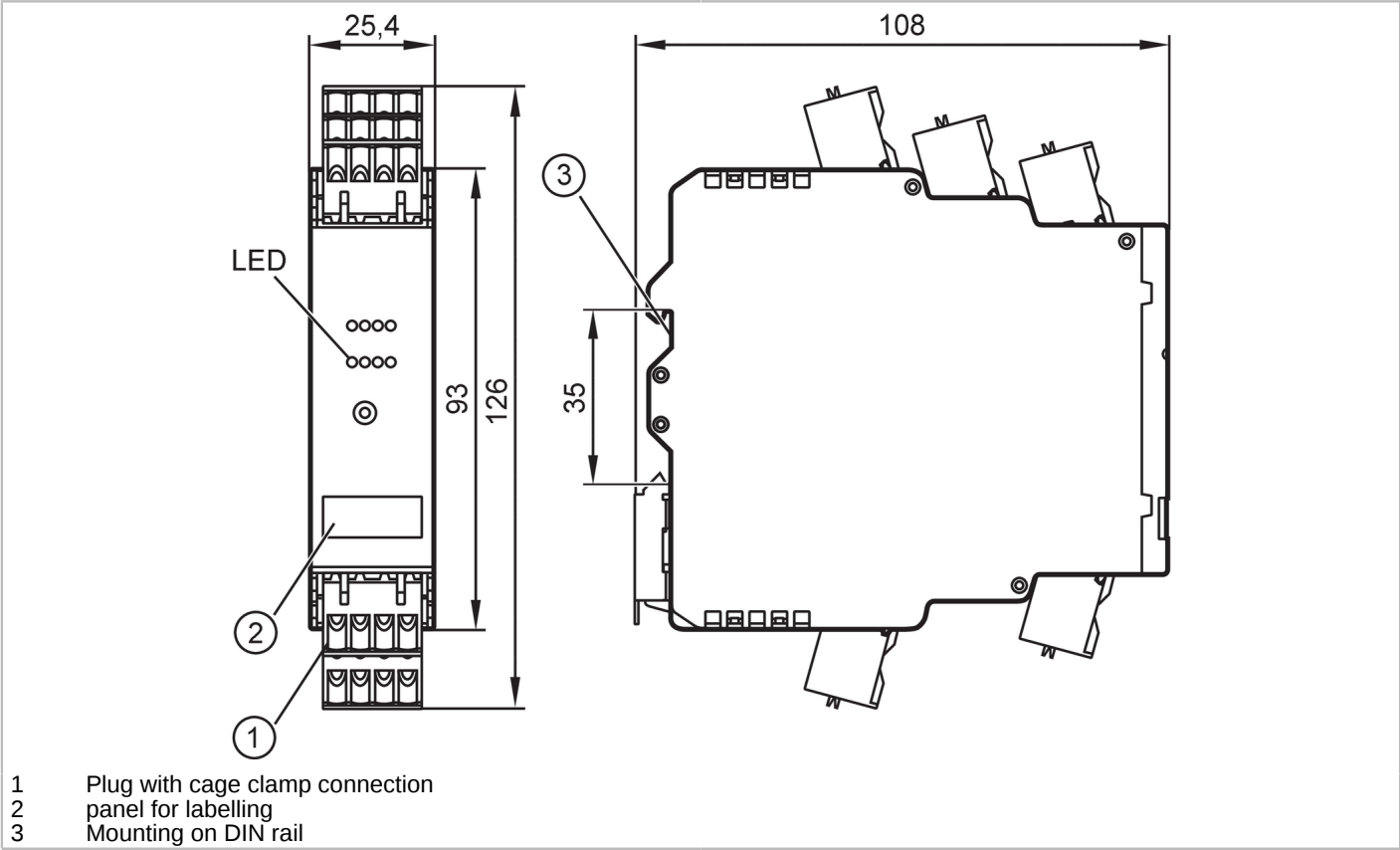




AS-Interface control cabinet module

SmartL25 4 AI (V) C IP20



Application

Design	housing for DIN rail mounting
Application	I/O modules for control cabinet installations

Electrical data

Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	157
Reverse polarity protection		yes
Additional voltage supply	[V]	20...30 DC; (AUX)
Additional voltage supply		optional
Max. current consumption from additional supply	[mA]	550; (AUX)

Inputs / outputs

Number of inputs and outputs	Number of analog inputs: 4
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Inputs

Sensor supply of the inputs		AS-i / AUX
Voltage supply	[V]	18...30; (DC)
Max. total current rating of inputs	[mA]	100
Number of analog inputs		4; (connection of 2-wire, 3-wire and 4-wire sensors)
Analog input (voltage)	[V]	0...10



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Analog inputs protected against short circuits	no
Resolution of analog input	16 bit (1 bit = 1 mV)
Precision analog input [%]	0,5

Operating conditions

Ambient temperature [°C]	0...70
Storage temperature [°C]	-20...85
Max. relative air humidity [%]	90; (non condensing)
Max. height above sea level [m]	2000
Protection	IP 20
Protection rating terminals	IP 20
Pollution degree	2

Tests / approvals

EMC	EN 61000-6-2	
	EN 61000-6-4	
UL approval	voltage supply	Class 2

AS-i classification

AS-i version	2.11; 3.0
AS-i addressing	Addressing socket
Extended addressing mode	no
AS-i master profile	M3; M4
AS-i profile	S-7.3.E
AS-i I/O configuration [hex]	7
AS-i ID code [hex]	3.E

Mechanical data

Weight [g]	198.5
Housing	rectangular
Type of mounting	Mounting on DIN rail; (TH35 (EN 60715))
Dimensions [mm]	126 x 25.4 x 108
Material	PC-GF20

Displays / operating elements

Display	analog signal	LED, yellow Channels AI1...AI4
	diagnosis	LED, yellow
	Power	LED, green AS-i, AUX
	errors	LED, red

Accessories

Items supplied	Combicon connector
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Remarks

Pack quantity	1 pcs.
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Electrical connection

pin headers: 4 x ; Spacing: 5.0 mm

Connection

I+	V1	I-	0V
I+	V2	I-	0V
I+	V3	I-	0V

0V	I-	V4	I+
A+	A-	E+	E-

I+	Sensor supply +24V
V1...4	analog input Voltage
I-	Sensor supply 0V
0V	analog input 0V
A+	AS-i +
A-	AS-i -
E+	External sensor supply +24V
E-	External sensor supply 0V