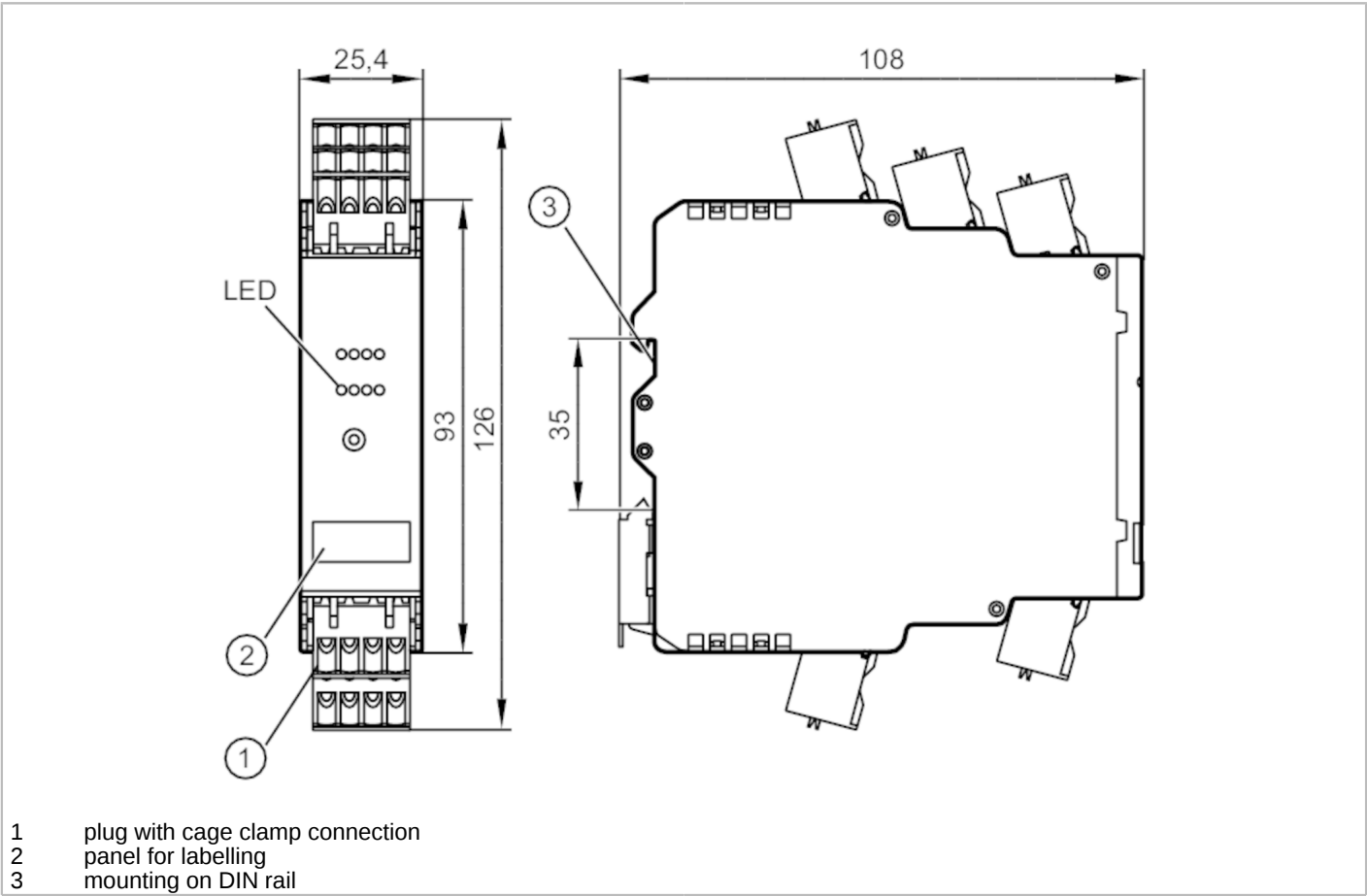




AS-Interface control cabinet module

SmartL25 4 AI (C) C IP20



Application	
Design	housing for DIN rail mounting
Application	Installation in control cabinets
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 analogue inputs: 4
Inputs	
Sensor supply of the inputs	AS-i / AUX
Power supply [V]	18...30
Max. total current rating of inputs [mA]	100
Number of analogue inputs	4; (connection of 2-wire, 3-wire and 4-wire sensors)



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Analogue input (current)	[mA]	4...20
Analogue inputs protected against short circuits		no
Resolution of analogue input		16 bit (1 bit = 1 µA)
Precision analogue 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	power 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]	260.7
Housing		rectangular
Type of mounting		mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm]	126 x 25.4 x 108
Materials		PC-GF20

Displays / operating elements

Display	analogue signal	LED, yellow channels AI1...AI4
	diagnosis	LED, yellow
	operation	LED, green AS-i, AUX
	errors	LED, red

Accessories

Items supplied	COMBICON connectors
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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+	C1	I-	0V
I+	C2	I-	0V
I+	C3	I-	0V

0V	I-	C4	I+
A+	A-	E+	E-

I+	Sensor supply +24V
C1...4	analogue input Current
I-	Sensor supply 0V
0V	analogue input 0V
A+	AS-i +
A-	AS-i -
E+	external sensor supply +24V
E-	external sensor supply 0V