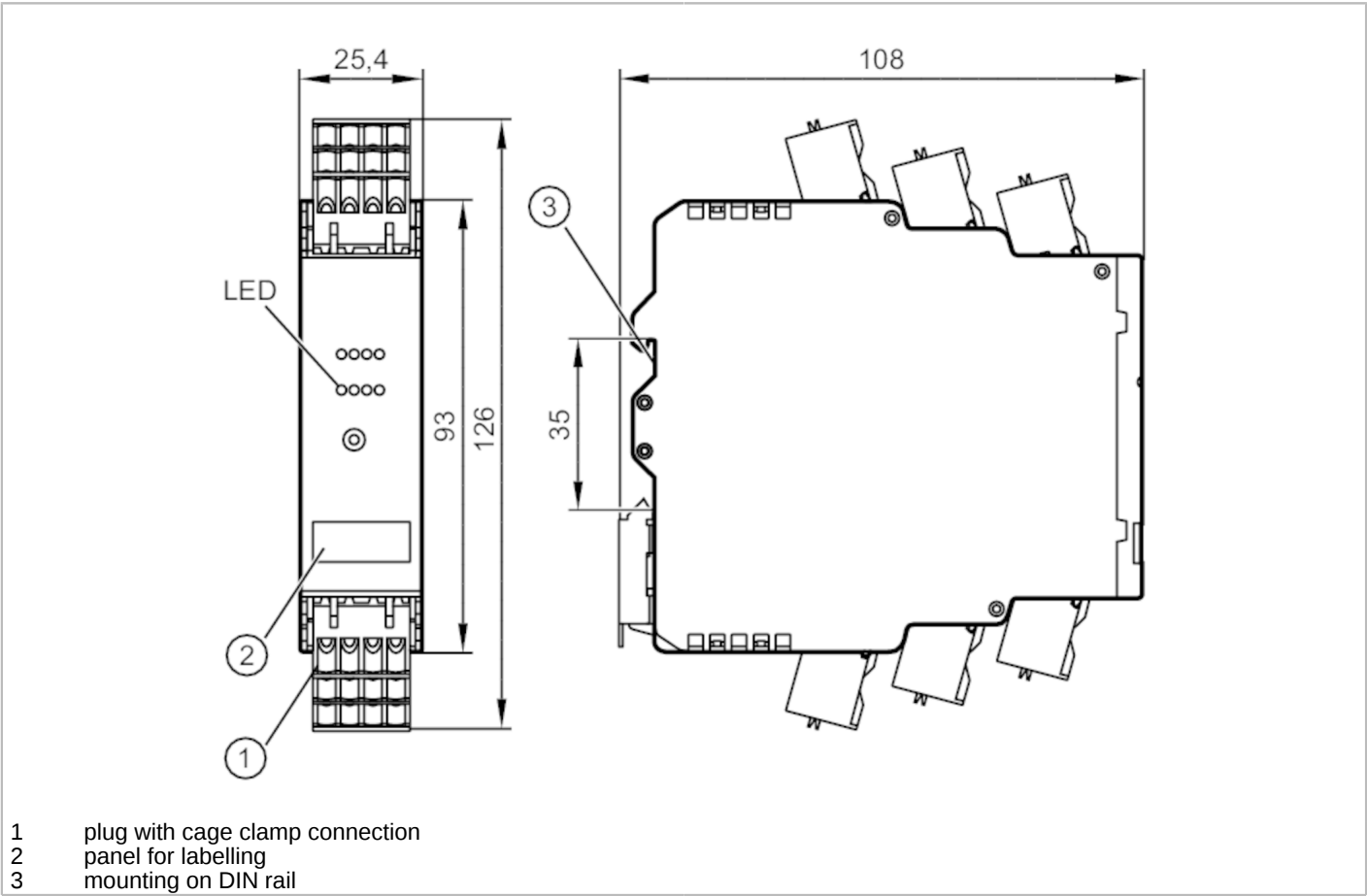




AS-Interface control cabinet module

SmartL25 4 AI (Pt100) C IP20



Product characteristics

Number of inputs and outputs	Number of Pt100 inputs: 4
Measuring range [°C]	-200...850

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 [mA] from AS-i	80
Reverse polarity protection	yes

Inputs / outputs

Number of inputs and outputs	Number of Pt100 inputs: 4
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Inputs

Number of Pt100 inputs	4
Sensor supply of the inputs	AS-i
Number of analogue inputs	connection of 2- and 4-wire sensors
Analogue inputs protected against short circuits	yes



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Resolution of analogue input	16 bit / 0.1 °C	
Measuring/setting range		
Measuring range	[°C]	-200...850
Accuracy / deviations		
Accuracy	± 0.2 °C (-200 °C)...± 2 °C (800 °C)	
Operating conditions		
Ambient temperature	[°C]	0...70
Storage temperature	[°C]	-25...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	
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
AS-i certificate	129901	
Mechanical data		
Weight	[g]	195.55
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
	operation	LED, green AS-i
	errors	LED, red
Accessories		
Items supplied	COMBICON connectors	
Remarks		
Pack quantity	1 pcs.	



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Electrical connection

pin headers: 4 x ; Spacing: 5.0 mm

Connection

FE	FE	FE	FE
S+	1+	1-	S-
S+	2+	2-	S-

S-	3-	3+	S+
S-	4-	4+	S+
A+	A-	nc	nc

S+	sensor inputs +
S-	sensor inputs -
	Outputs Drive + 4-wire Pt100
	Outputs Drive - 4-wire Pt100
FE	functional earth
A+	AS-i +
A-	AS-i -
nc	not used