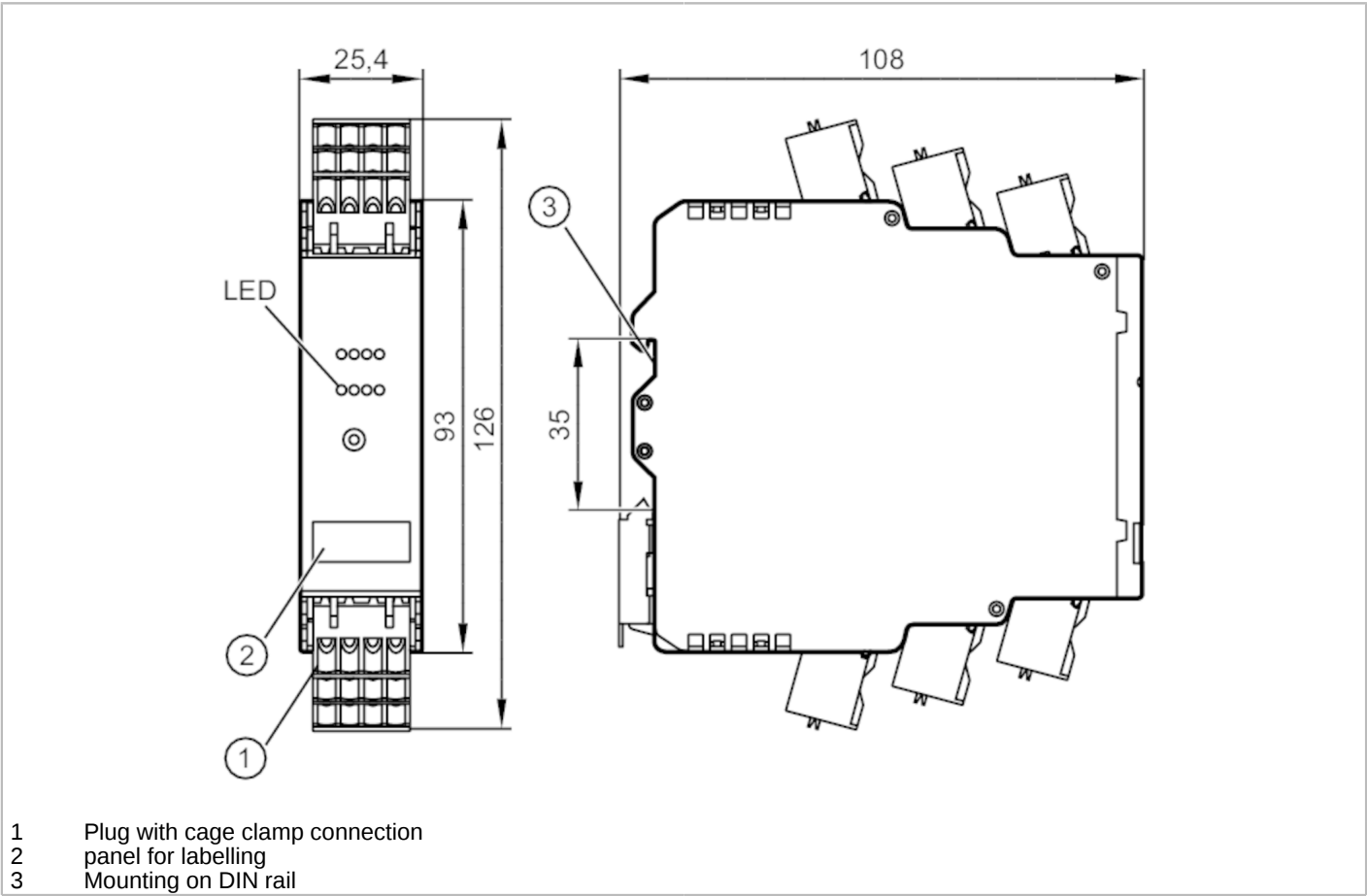




AS-Interface control cabinet module

SmartL25 4 AI (Pt100) C IP20



Product characteristics	
Number of inputs and outputs	Number of Pt100 inputs: 4
Measuring range [°C]	-200...850
Application	
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]	80
Reverse polarity protection	yes
Inputs / outputs	
Number of inputs and outputs	Number of Pt100 inputs: 4
Inputs	
Number of Pt100 inputs	4
Sensor supply of the inputs	AS-i
Number of analog inputs	connection of 2- and 4-wire sensors
Analog inputs protected against short circuits	yes
Resolution of analog input	16 bit / 0.1 °C



AS-Interface control cabinet module

SmartL25 4 AI (Pt100) C IP20

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
Degree of soiling		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
Type of mounting		Mounting on DIN rail
Material		PC-GF20
Displays / operating elements		
Display	analog signal	LED, yellow Channels AI1...AI4
	Power	LED, green AS-i
	errors	LED, red
Accessories		
Items supplied		Combicon connector
Remarks		
Pack quantity		1 pcs.



AS-Interface control cabinet module

SmartL25 4 AI (Pt100) C IP20

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