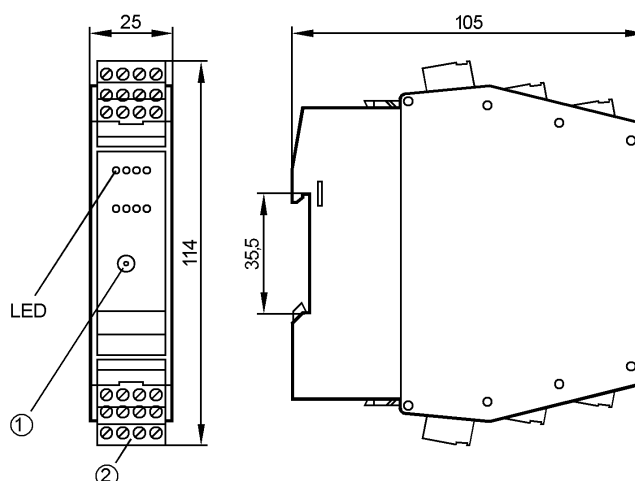


AC2216

SmartLine25 4AI (C) C IP20

Bus system AS-Interface



1: Addressing socket

2: Combicon connector with screw terminals, e.g. E70230 (optional)



Product characteristics

Active AS-i module

Mounting on DIN rail

Combicon connector for sensor connection

AS-i profile S-7.3

4 analogue inputs 4...20 mA

Supply either from AS-i or an external 24 V source

For the connection of 2-wire, 3-wire or 4-wire sensors

Electrical data

Electrical design	4 inputs 4...20 mA
Operating voltage [V]	26.5...31.6 DC; "supply class 2" to cULus.
Current consumption from AS-i (without external supply) [mA]	53
Current consumption from AS-i (with external supply) [mA]	28
Current consumption from external supply 24 V DC [mA]	10
Internal resistance	50 Ω
AS-i interface reverse polarity protection	yes

Inputs

analogue

Analogue input	4...20 mA
Sensor supply	AS-i / external (to PELV)
Max. total current load for all inputs (without external supply) [mA]	100
Max. total current load for all inputs (with external supply) [mA]	500
Short-circuit proof	no
Max. operating voltage [V]	24 DC $\pm$ 20 %
Resolution [Bit]	16 (1 bit = 1 μ A)

Measuring / setting range

AC2216

SmartLine25 4AI (C) C IP20

Bus system AS-Interface

value range	4...20000
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Accuracy / deviations

Accuracy [% of the final value]	0.5
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Reaction times

A/D conversion	1 channel: 20 ms / 2 channels: 120 ms / 3 channels: 180 ms / 4 channels: 240 ms
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Environment

Ambient temperature [°C]	0...70
Storage temperature [°C]	-20...85
Protection	IP 20

Tests / approvals

EMC	EN 50295
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AS-i classification

AS-i profile	S-7.3.E
I/O configuration [hex]	7
ID code [Hex]	3.E
AS-i certificate	in preparation

Mechanical data

Housing materials	PA 6.6
Weight [kg]	0.159

Displays / operating elements

Operation	LED	green (indication AS-i voltage / indication ext. 24 V AUX)
Error	LED	red (FAULT: AS-i communication error / periphery fault)
Function display	LED	yellow (indication channels 1...4 / indication diagnosis DIAG)

Electrical connection

Connection	Combicon
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Wiring

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



Accessories

Accessories (optional)	Combicon connector
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Remarks

Pack quantity [piece]	1
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