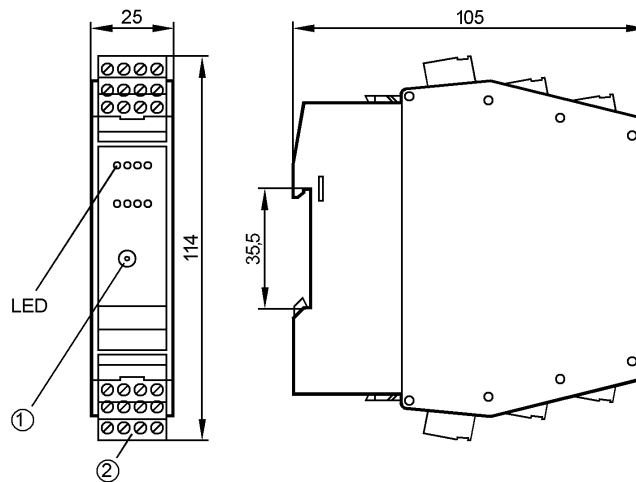


AC2216

SmartLine25 4AI (C) C IP20

Bus system AS-Interface



- 1: Addressing socket
2: Combicon connector with screw terminals, e.g. E70230 (optional)



Made in Germany

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 ± 20 %
Resolution [Bit]	16 (1 bit = 1 μA)

Measuring / setting range

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Bus system AS-Interface

value range 4...20000

Accuracy / deviations

Accuracy [% of the final value] 0.5

Reaction times

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

Environment

Ambient temperature [°C] 0...70

Storage temperature [°C] -20...85

Protection IP 20

Tests / approvals

EMC EN 50295

AS-i classification

AS-i profile S-7.3.E

I/O configuration [hex] 7

ID code [Hex] 3.E

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

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



Remarks

Pack quantity [piece] 1