



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



Product characteristics

Active AS-i module

Mounting on DIN rail

Combicon connection

4 analog inputs

temperature Pt100

AS-i profile S-7.3

Electrical data

Electrical design

Operating voltage [V]

4 inputs Pt100

26.5...31.6 DC

Total current consumption from AS-i [mA]

< 80

AS-i interface reverse polarity protection

yes

Inputs

digital

Circuit

4 inputs Pt100

Sensor supply

AS-i

Voltage range [V]

24 DC  $\pm$  20 %

Max. current load for all inputs total [mA]

< 80

Short-circuit proof

yes

Outputs

analog

Resolution [Bit]

16bit /0.1°C

Measuring / setting range

value range [°C]

-200...850

Accuracy / deviations

linear change from  $\pm$  0.2 °C (-200 °C) ...  $\pm$  2 °C (800 °C)

Reaction times

A/D conversion time [ms]

480 (4 channels)

Environment

Ambient temperature [°C]

0...70

Storage temperature [°C]

-25...85

Protection

IP 20

**AC2220 - Active AS-i module - eclass: 27259090 / 27-25-90-90**

Tests / approvals

EMC		EN 50295
MTTF [Years]		140
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		PBT
Weight [kg]		0.154
Displays / operating elements		
Output status indication	LED	yellow (state channel 1 - analogue 1 / state channel 2 - analogue 2 / state channel 3 - analogue 3 / state channel 4 - analogue 4)
Power	LED	green (AS-i: AS-i voltage)
Error	LED	red (FAULT: AS-i communication error / periphery fault)
Electrical connection		
Connection		Combicon
Connection of the sensors		2 wires / 4 wires

**Wiring**

- S+: Sensor inputs +
- S-: Sensor inputs -
- 1+...4+: Drive outputs + \*)
- 1-...4-: Drive outputs - \*)
- FE: functional earth
- A+: AS-i +
- A-: AS-i -



Remarks

Remarks	*) only for 4-wire Pt100 cULus - Class 2 source required
Pack quantity [piece]	1