



1: label



Product characteristics

Active AS-i module IP 65

AS-i interface to FC lower parts

Connection via cage clamps

4 analog inputs

temperature Pt100

AS-i profile S-7.3

Electrical data

Electrical design

4 inputs Pt100

Operating voltage [V]

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]

20

Short-circuit proof

yes

analog

Resolution [Bit]

16bit /0.1°C

Outputs

analog

Resolution [Bit]

16bit /0.1°C

Measuring / setting range

value range [°C]

-200...850

Accuracy / deviations

Accuracy

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 65

Tests / approvals

AC2620 - Active AS-i module IP 65 - eclass: 27259090 / 27-25-90-90

EMC		EN 50295										
MTTF	[Years]	150										
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										
Parameter bits		<table border="1"> <thead> <tr> <th>Parameter bit</th> <th>Designation</th> </tr> </thead> <tbody> <tr> <td>P0</td> <td>filter: 1* 50 Hz filter in the A/D converter active / 0 60 Hz filter in the A/D converter active (* default)</td> </tr> <tr> <td>P1</td> <td>periphery fault: 1 coding periphery fault / 0 coding periphery fault</td> </tr> <tr> <td>P2</td> <td>periphery fault: 1 coding periphery fault / 0 coding periphery fault</td> </tr> <tr> <td>P3</td> <td>selection Pt100 elements: 1 2-wire mode / 0 3-wire mode</td> </tr> </tbody> </table>	Parameter bit	Designation	P0	filter: 1* 50 Hz filter in the A/D converter active / 0 60 Hz filter in the A/D converter active (* default)	P1	periphery fault: 1 coding periphery fault / 0 coding periphery fault	P2	periphery fault: 1 coding periphery fault / 0 coding periphery fault	P3	selection Pt100 elements: 1 2-wire mode / 0 3-wire mode
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Mechanical data												
Housing materials		PBT										
Weight	[kg]	0.293										
Displays / operating elements												
Output status indication	LED	green (status channel 1 - analog 1 / status channel 2 - analog 2 / status channel 3 - analog 3 / status channel 4 - analog 4)										
Power	LED	green (AS-i: AS-i voltage)										
Error	LED	red (FAULT: AS-i communication error / periphery fault)										
Electrical connection												
Connection		via contact pins to FC or SC lower part										
Connection of the sensors		2 wires / 3 wires										
Wiring												
1: Channel 1+												
2: S1-												
3: Channel 1-												
4: Channel 2+												
5: S2												
6: Channel 2-												
7: Channel 3+												
8: S3-												
9: Channel 3-												
10: Channel 4+												
11: S4-												
12: Channel 4-												
Remarks												
Pack quantity	[piece]	1										