



1: label



Product characteristics

Active AS-i module IP 65

AS-i interface to FC-E lower parts

Connection via cage clamps

2 analog inputs

4...20 mA

AS-i profile S-7.3

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

Electrical data

Electrical design

Operating voltage [V]

2 inputs 4...20 mA

26.5...31.6 DC

Internal resistance

50 Ω

Current consumption from AS-i (without external supply) [mA]

40

Current consumption from AS-i (with external supply) [mA]

32

Current consumption from external supply 24 V DC [mA]

8

AS-i interface reverse polarity protection

yes

Inputs

analog

Analog 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 %

Outputs

analog

Resolution [Bit]

16 (1 bit = 1µA)

Accuracy / deviations

4000...20000 dec.; accuracy 0.5 % of the final value of the measuring range

value range

Reaction times

A/D conversion

1 channel: 20 ms / 2 channels: 120 ms

Environment

AC2616 - Active AS-i module IP 65 - eclass: 27259090 / 27-25-90-90

Ambient temperature	[°C]	0...70										
Storage temperature	[°C]	-25...85										
Protection		IP 65										
Tests / approvals												
EMC		EN 50295										
MTTF	[Years]	150										
AS-i classification												
AS-i profile		S-7.3.D										
I/O configuration [hex]		7										
ID code [Hex]		3.D										
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>channel: 1 channel 2 is projected / 0 channel 2 is not projected</td> </tr> <tr> <td>P2</td> <td>periphery fault: 1 periphery fault active / 0 periphery fault not active</td> </tr> <tr> <td>P3</td> <td>not used: 1 reserved / 0 not reserved</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	channel: 1 channel 2 is projected / 0 channel 2 is not projected	P2	periphery fault: 1 periphery fault active / 0 periphery fault not active	P3	not used: 1 reserved / 0 not reserved
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Mechanical data												
Housing materials		PBT										
Weight	[kg]	0.286										
Displays / operating elements												
Output status indication	LED	green (status channel 1 - analog 1 / status channel 2 - analog 2)										
Power	LED	green (AS-i: AS-i voltage)										
Error	LED	red (FAULT: AS-i communication error / periphery fault)										
Function display	LED	green (power: supply A/D converter)										
Electrical connection												
Connection		via contact pins to FC, FC-E or SC lower part										
Wiring												
1: I+ Sensor supply 2 +24V												
2: C2 analog input mA												
3: I- Sensor supply 2 0V												
4: COM 2 analog input 2 0V												
5: Shield												
6: Shield												
7: I+ Sensor supply 1 +24V												
8: C1 analog input mA												
9: I- Sensor supply 1 0V												
10: COM 1 analog input 1 0V												
11: FE functional earth												
12: FE functional earth												
Remarks												
Pack quantity	[piece]	1										