

- 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 analog 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

Operating voltage [V]	
Current consumption from AS-i (without external supply) [mA]	
Current consumption from AS-i (with external supply) [mA]	
Current consumption from external supply 24 V DC [mA]	
Internal resistance	
AS-i interface reverse polarity protection	

4 inputs 4...20 mA	
	26.5...31.6 DC; cULus - Class 2 source required
	53
	28
	10
	50 Ω
	yes

Inputs

analog

Analog input	
Sensor supply	
Max. total current load for all inputs (without external supply) [mA]	
Max. total current load for all inputs (with external supply) [mA]	
Short-circuit proof	
Max. operating voltage [V]	
Resolution [Bit]	
Measuring / setting range value range	
Accuracy / deviations	
Accuracy [% of the final value]	

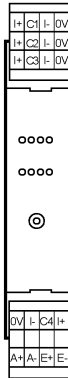
	4...20 mA
	AS-i / external (to PELV)
	100
	500
	no
	24 DC ± 20 %
	16 (1 bit = 1 μA)
	4...20000
	0.5

AC2216 - Active AS-i module - eclass: 27259090 / 27-25-90-90

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
AS-i certificate		in preparation
Mechanical data		
Housing materials		PA 6.6
Weight	[kg]	0.159
Displays / operating elements		
Power	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: analog input Current
 I-: Sensor supply 0V
 0V: analog input 0V
 A+: AS-i +
 A-: AS-i -
 E+: External sensor supply +24V
 E-: External sensor supply 0V



Accessories		
Accessories (optional)		Combicon connector
Remarks		
Pack quantity	[piece]	1