



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 actuator connection
AS-i profile S-7.3
4 analog outputs 0...20 mA
For the connection of 2-wire actuators or 4-wire actuators with separate 24 V supply

Electrical data

Electrical design	4 outputs 0...20 mA
Operating voltage [V]	26.5...31.6 DC; cULus - Class 2 source required
Current rating per module (with external supply) [mA]	500
Current consumption from AS-i (without external supply) [mA]	57
Current consumption from AS-i (with external supply) [mA]	25
Current consumption from external supply 24 V DC [mA]	12
Current rating per module (without external supply) [mA]	
Internal resistance	50 Ω
AS-i interface reverse polarity protection	yes
Overload protection	yes
<b>Outputs</b>	
analog	
current output [mA]	0...20
Max. load [Ω]	600
voltage output [V]	24 DC ± 20 %
External voltage supply	according to PELV
Actuator supply	AS-i / external
Resolution [Bit]	16 (1 bit = 1µA)
<b>Accuracy / deviations</b>	
value range	0...20000 dec.; accuracy 0.5 % of the final value of the measuring range
<b>Reaction times</b>	

**AC2218 - Active AS-i module - eclass: 27259090 / 27-25-90-90**

D/A-conversion time 2 channels [ms]	< 1										
Environment											
Ambient temperature [°C]	0...70										
Storage temperature [°C]	-20...85										
Protection	IP 20										
Tests / approvals											
EMC	EN 50295										
MTTF [Years]	140										
AS-i classification											
AS-i profile	S-7.3.6										
I/O configuration [hex]	7										
ID code [Hex]	3.6										
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>not used / 1 reserved 0 reserved</td> </tr> <tr> <td>P1</td> <td>not used / 1 reserved 0 reserved</td> </tr> <tr> <td>P2</td> <td>periphery fault / 1 periphery fault indication active / 0 periphery fault indication not active</td> </tr> <tr> <td>P3</td> <td>not used / 1 reserved 0 reserved</td> </tr> </tbody> </table>	Parameter bit	Designation	P0	not used / 1 reserved 0 reserved	P1	not used / 1 reserved 0 reserved	P2	periphery fault / 1 periphery fault indication active / 0 periphery fault indication not active	P3	not used / 1 reserved 0 reserved
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P1	not used / 1 reserved 0 reserved										
P2	periphery fault / 1 periphery fault indication active / 0 periphery fault indication not active										
P3	not used / 1 reserved 0 reserved										
Mechanical data											
Housing materials	PA 6.6										
Weight [kg]	0.168										
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										
<b>Wiring</b>											
O+:	Actuator supply +24V										
C1...4:	analog output Current										
O-:	Actuator supply 0V										
0V:	analog output 0V										
A+:	AS-i +										
A-:	AS-i -										
E+:	External actuator supply +24V										
E-:	External actuator supply 0V										



Remarks	
Pack quantity [piece]	1