

- 1: LED
- 2: Addressing socket



Product characteristics

Active AS-i module	
Mounting on DIN rail	
Combicon connection	
String mounting possible	
Addressing socket	
Input supply from external PELV voltage source	
Version 2.1	

Electrical data

Electrical design	4 inputs / 4 outputs / relay
Operating voltage [V]	26.5...31.6 DC (AS-i)
Total current consumption from AS-i [mA]	< 50
Max. current load per module [mA]	6000 ***)

Inputs

digital	
Circuit	PNP
Sensor supply	via E+/E- / external to PELV
Voltage range [V]	20...30 DC
Max. current load for all inputs total [mA]	500
Input current High/Low [mA]	6...10 / 0...2
Switching level High signal 1 [V]	> 11
Short-circuit proof	yes

Outputs

digital	
Output function	Relay
Voltage range [V]	10...240 AC / 24 DC *)
External voltage supply	yes
Max. current load per output [mA]	6000 ***)
Electrically separated	ja **)
Integrated watchdog	yes
Short-circuit proof	no

Environment

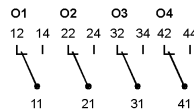
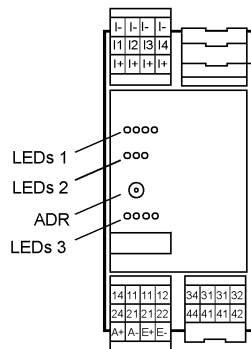
Ambient temperature [°C]	-25...60, cRUus: surrounding air temperature -25...60 °C
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**AC2259 - Active AS-i module - eclass: 27259090 / 27-25-90-90**

Protection	IP 20										
Tests / approvals											
EMC	EN 50295 EN 50178										
MTTF [Years]	326										
AS-i classification											
AS-i version	2.1										
Extended addressing mode possible	no										
AS-i profile	S-7.0.E										
I/O configuration [hex]	7										
ID code [Hex]	0.E										
AS-i certificate	in preparation										
Data bits	<table border="1"> <thead> <tr> <th>Data bit</th> <th>D0</th> <th>D1</th> <th>D2</th> <th>D3</th> </tr> </thead> <tbody> <tr> <td>Function</td> <td>input I1 - output O1</td> <td>input I2 - output O2</td> <td>input I3 - output O3</td> <td>input I4 - output O4</td> </tr> </tbody> </table>	Data bit	D0	D1	D2	D3	Function	input I1 - output O1	input I2 - output O2	input I3 - output O3	input I4 - output O4
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Function	input I1 - output O1	input I2 - output O2	input I3 - output O3	input I4 - output O4							
Mechanical data											
Housing materials	PA 6.6										
Weight [kg]	0.26										
Displays / operating elements											
Output status indication LED	yellow										
Power LED	green										
Error LED	red										
Electrical connection											
Connection	Combicon										

**Wiring**

- A+: AS-i +
- A-: AS-i -
- E+: External sensor supply +24V
- E-: External sensor supply 0V
- I+: Sensor supply +24V
- I-: Sensor supply 0V
- I1...4: Switching input Sensor 1...4



Accessories	
Accessories (optional)	Combicon connector
Remarks	
Remarks	<p>*) All outputs (relays) must be supplied with the same voltage (e.g. 2x 240 V AC, same phase conductor or 2x 24 V DC)</p> <p>**) Reinforced insulation to EN 50178, overvoltage category II, degree of soiling 2 to 240 V AC nominal voltage</p> <p>***) Resistive</p>
Pack quantity [piece]	1