



1: Addressing socket
2: Combicon plug with screw terminals (optional)



Product characteristics

Active AS-i module

Mounting on DIN rail

Combicon connection

String mounting possible

Addressing socket

Version 2.1

Digital inputs and outputs

Electrical data

Electrical design

4 inputs / 4 outputs

Operating voltage [V]

26.5...31.6 DC

Total current consumption from AS-i [mA]

< 250

Max. current load per module [mA]

4000**)

Inputs

digital

Circuit

PNP

Sensor supply

AS-i

Voltage range [V]

20...30 DC

Max. current load for all inputs total [mA]

200

Input current High/Low [mA]

6...10 / 0...2

Switching level High signal 1 [V]

>10

Short-circuit proof

yes

Outputs

digital

Output function

transistor PNP

Voltage range [V]

24 DC (20...30 DC)

External voltage supply

via E+/E- / external to PELV

Max. current load per output [mA]

1000*)

Electrically separated

yes

Integrated watchdog

yes

Short-circuit proof

yes

Environment

Ambient temperature [°C]

-25...70, cRUus: surrounding air temperature -25...60 °C

AC2251 - Active AS-i module - eclass: 27259090 / 27-25-90-90

Protection	IP 20										
Tests / approvals											
EMC	EN 50295										
MTTF [Years]	184										
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	37301										
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
Data bit	D0	D1	D2	D3							
Function	input I1 - output O1	input I2 - output O2	input I3 - output O3	input I4 - output O4							
Mechanical data											
Housing materials	PA										
Weight [kg]	0.138										
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 - I+: Sensor supply +24V I-: Sensor supply 0V E+: Actuator supply +24V E-: Actuator supply 0V I1...I4: Switching input Sensor 1...4 O1...O4: Switching output actuator 1...4 O-: Switching output actuator 0V											
Accessories											
Accessories (optional)	Combicon connector										
Remarks											
Remarks	<p>Inputs and outputs must be electrically isolated. Do not connect any of the points I-, I+, I1, I2, I3, I4 to an external potential since they are electrically connected to the AS-i cable. If a slave with the ID code "A" (extended addressing mode possible) is used with a master of the first generation (version 2.0), the parameter P3 must be 1 and the output bit D3 = 0. The output bit D3 must not be used.</p> <p>*) Utilisation category DC-13; utilisation category DC-12: 700 mA. The switch-on and switch-off capability for the triggering of solenoids is rated up to 20 W (according to IEC 60947-5-1).</p> <p>**> 50 °C: 2000 mA</p>										
Pack quantity [piece]	1										