

Product characteristics

Active CompactLine module

AS-i flat cable connection

Sockets M12 x 1

IR addressing possible

Digital inputs and outputs

Electrical data

Electrical design

4 inputs / 4 outputs

Operating voltage [V]

26.5...31.6 DC (AS-i) / 10...30 DC (AUX); cULus - Class 2 source required

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 limitation [mA]

15

Input current High/Low [mA]

6...10 / 0...2

Switching level High signal 1 [V]

> 11

Short-circuit proof

yes

Outputs

digital

Output function

transistor PNP

Voltage range [V]

10...30 DC

External voltage supply

to PELV *)

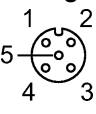
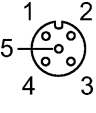
Max. current load per output [mA]

2000 **)

Electrically separated

yes

AC2412 - Active CompactLine module - eclass: 27259090 / 27-25-90-90

Integrated watchdog	yes																																			
Short-circuit proof	yes																																			
Environment																																				
Ambient temperature [°C]	-25...80																																			
Protection	IP 67; (enclosure type 1); when flat cables E7400x and E7401x are used																																			
Tests / approvals																																				
EMC	EN 50295																																			
AS-i classification																																				
AS-i version	2.11 + 3.0																																			
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	46001																																			
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>Input</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>Socket</td> <td>I-1</td> <td>I-2</td> <td>I-3</td> <td>I-4</td> </tr> <tr> <td>Pin</td> <td>2+4</td> <td>2+4</td> <td>2+4</td> <td>2+4</td> </tr> <tr> <td>Output</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>Socket</td> <td>O-1</td> <td>O-2</td> <td>O-3</td> <td>O-4</td> </tr> <tr> <td>Pin</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> </tr> </tbody> </table>	Data bit	D0	D1	D2	D3	Input	1	2	3	4	Socket	I-1	I-2	I-3	I-4	Pin	2+4	2+4	2+4	2+4	Output	1	2	3	4	Socket	O-1	O-2	O-3	O-4	Pin	4	4	4	4
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Mechanical data																																				
Housing materials	PA; socket: brass nickel-plated; threaded inserts in the lower part: brass nickel-plated; O-Ring (socket): Viton; Piercing contacts: CuSn6 surface nickel and tin-plated																																			
Weight [kg]	0.372																																			
Displays / operating elements																																				
Power LED	green																																			
Error LED	red																																			
Function display LED	yellow																																			
Electrical connection																																				
Wiring																																				
	<p>Inputs</p> <p>Pin 1: Sensor supply L+</p> <p>Pin 2+4: Data input 1 (internally bridged)</p> <p>Pin 3: Sensor supply L-</p> <p>Pin 5: functional earth</p>																																			
	<p>Outputs</p> <p>Pin 3: External voltage AUX -</p> <p>Pin 4: Switching output</p> <p>Pin 5: functional earth (FE)</p> <p>Pin 1, 2: not used</p>																																			
Accessories																																				
Accessories (optional)	stainless steel sleeve for installation in case of high mechanical stress (E70402)																																			
Remarks																																				
Remarks	Inputs and outputs must be electrically isolated. *) via black flat cable **) Utilisation category (DC13): The switch-on and switch-off capacity for the triggering of solenoids is rated up to 20 W (to IEC 60947-5-1)																																			
Pack quantity [piece]	1																																			