

Product characteristics

Active ProcessLine module

Sockets M12 x 1

Version 2.1 with extended addressing mode

Protection rating IP 69K

high-grade stainless steel

Digital inputs and outputs

Electrical data

Electrical design

4 inputs / 3 outputs

Operating voltage [V]

26.5...31.6 DC

Total current consumption from AS-i [mA]

< 240

Max. current load per module [mA]

2100

Inputs

digital

Circuit

DC PNP

Sensor supply

AS-i

Voltage range [V]

18...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]

> 11

Short-circuit proof

yes

Outputs

digital

Output function

transistor PNP

Voltage range [V]

24 DC (10...30 DC)

External voltage supply

according to PELV

Max. current load per output [mA]

700 *)

Electrically separated

yes

Integrated watchdog

yes

Short-circuit proof

yes

Environment

Ambient temperature [°C]

-5...70

Protection

IP 69K

Tests / approvals

EMC

EN 50295

MTTF [Years]

160

AS-i classification

AS-i version

2.1

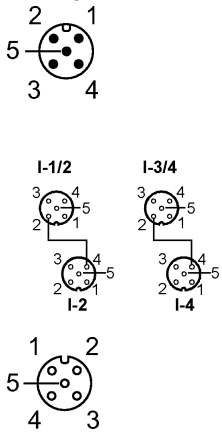
Extended addressing mode possible

yes

AS-i profile

S-7.A.E

AC2904 - Active ProcessLine module - eclass: 27259090 / 27-25-90-90

I/O configuration [hex]	7																																			
ID code [Hex]	A.E																																			
AS-i certificate	101107																																			
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-1/2</td> <td>I-1/2 I-2</td> <td>I-3/4</td> <td>I-3/4 I-4</td> </tr> <tr> <td>Pin</td> <td>4</td> <td>2 4</td> <td>4</td> <td>2 4</td> </tr> <tr> <td>Output</td> <td>1</td> <td>2</td> <td>3</td> <td>-</td> </tr> <tr> <td>Socket</td> <td>O-1</td> <td>O-2</td> <td>O-3</td> <td>-</td> </tr> <tr> <td>Pin</td> <td>4</td> <td>4</td> <td>4</td> <td>-</td> </tr> </tbody> </table>	Data bit	D0	D1	D2	D3	Input	1	2	3	4	Socket	I-1/2	I-1/2 I-2	I-3/4	I-3/4 I-4	Pin	4	2 4	4	2 4	Output	1	2	3	-	Socket	O-1	O-2	O-3	-	Pin	4	4	4	-
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Mechanical data																																				
Housing materials	high-grade stainless steel; Makrolon; O-ring: EPDM																																			
Weight [kg]	0.641																																			
Displays / operating elements																																				
Power LED	green																																			
Error LED	red																																			
Function display LED	yellow																																			
Electrical connection																																				
Connection	via stainless steel splitter E70354																																			
Wiring 	1: AS-i+ 2: 0 V 3: AS-i - 4: +24 V 5: functional earth 1: Sensor supply L+ 3: Sensor supply L- 5: functional earth 3: External voltage - 4: Switching output + 5: functional earth																																			
Accessories																																				
Accessories (optional)	torque wrench (E70390); M12 protective cap (E70297); FC splitter (E70354)																																			
Remarks																																				
Remarks	*) 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) Inputs and outputs must be electrically isolated. Do not connect any of the points I-, I+, I-1/2, I-2, I-3/4, I-4 to an external potential since they are electrically connected to the AS-i cable. The round cable connected to AS-i/AUX should not be longer than 2m.																																			
Pack quantity [piece]	1																																			