

Bus system AS-Interface

AC2910

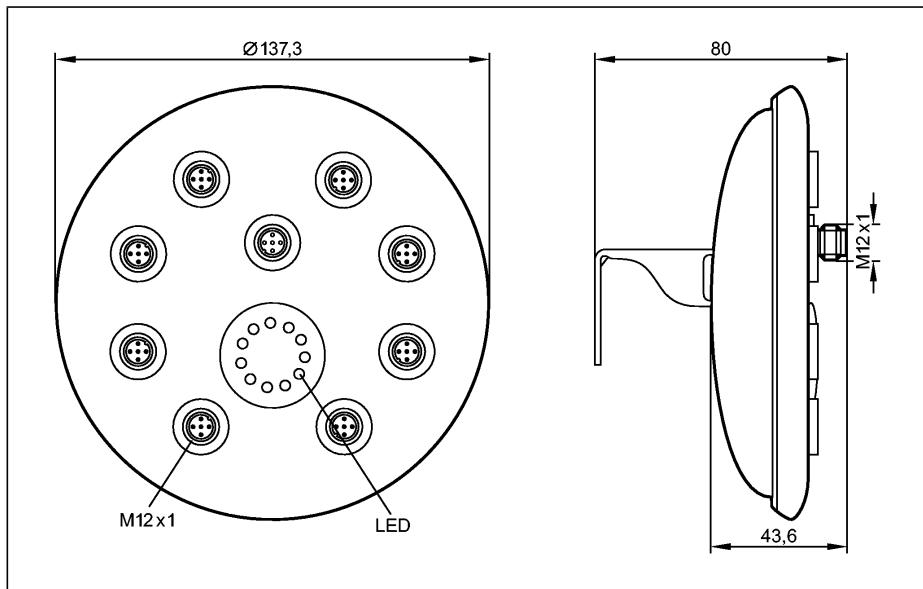
Active ProcessLine module

Sockets M12 x 1

Version 2.1 with extended addressing mode

Protection rating IP 69K
high-grade stainless steel

Digital inputs



Made in Germany



Electrical design

Output

Operating voltage	[V]
Total current consumption from AS-i	[mA]

Inputs

Input circuit	DC PNP
Sensor supply	AS-i
Voltage range	18...30 DC
Max. current load for all inputs total	400
Short-circuit proof	yes
Switching level High signal 1	> 11
Input current High/Low	> 6 / < 2
AS-Interface / extended addressing mode possible	version 2.1 / yes

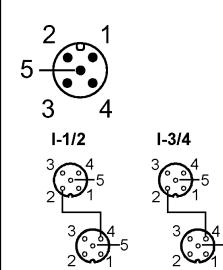
8 digital inputs (2 Slaves)

transistor PNP

26.5...31.6 DC

< 500

AC2910

Ambient temperature	[°C]	-5...70																				
Protection		IP 69K																				
AS-i version		2.1																				
AS-i profile		S-O.A.E																				
I/O configuration [hex]		0																				
ID code [Hex]		A.E																				
AS-i certificate		88901																				
EMC		EN 50295																				
Housing materials		high-grade stainless steel; Makrolon; O-ring: EPDM																				
Function display																						
Operation	LED	green																				
Error	LED	red																				
Function	LED	yellow																				
Connection		via stainless steel splitter E70377																				
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> </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
Data bit	D0	D1	D2	D3																		
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Pin	4	2 4	4	2 4																		
Weight	[kg]	0.684																				
Remarks		<p>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 should not be longer than 2m.</p>																				
Accessories (included)		M12 protective cap (E70297)																				
Accessories (optional)		torque wrench (E70390) FC splitter (E70454)																				
Wiring		 <p>1: AS-i+ 2: n.c. 3: AS-i - 4: n.c. 5: functional earth</p> <p>Inputs</p> <p>1: sensor supply L+ 3: sensor supply L- 5: function earth</p>																				