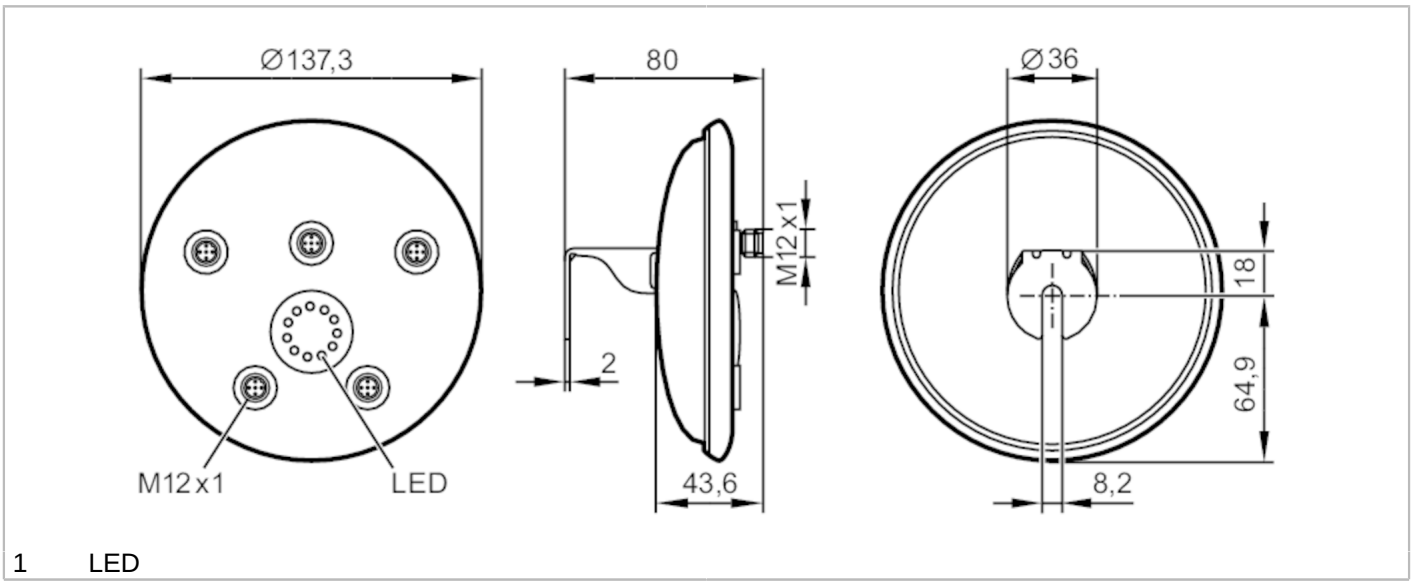
AC2923

AS-Interface ProcessLine module

ProcessLine 4AI C IP69K



1 LED

Electrical data		
Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	450
Reverse polarity protection		yes
Inputs / outputs		
Number of inputs and outputs		Number of analogue inputs: 4
Inputs		
Number of analogue inputs		4; (Anschluss von 2-, 3-, 4-Draht-Sensoren)
Sensor supply of the inputs		AS-i
Digital inputs protected against short circuits		yes
Analogue input (current)	[mA]	4...20
Max. voltage drop across load for nominal voltage	[V]	10
Resolution of analogue input		12 bit
Operating conditions		
Ambient temperature	[°C]	-5...70
Protection		IP 68; IP 69K
Tests / approvals		
EMC		EN 50295
MTTF	[years]	98

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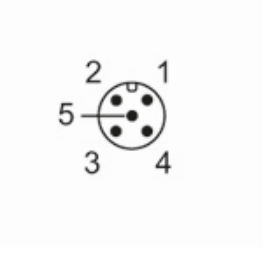
AS-i classification		
AS-i version		2.11 + 3.0
Extended addressing mode possible		no
AS-i profile		S-7.3.E
AS-i I/O configuration	[hex]	7
AS-i ID code	[hex]	3.E
AS-i certificate		101108
Mechanical data		
Weight	[g]	625
Dimensions	[mm]	137.3 x 80 x 137.3
Materials		threaded bush: stainless steel (1.4404 / 316L); PC; O-ring: EPDM
Displays / operating elements		
Display		operation: LED, green Voltage AS-i
		errors: LED, red
		function: LED, yellow channels AI1...AI4
Accessories		
Accessories (optional)		Protective cap: M12, E70297
		Flat cable insulation displacement connector, E70454
		Torque wrench, E70390
Remarks		
Remarks		When the sensors and actuators are supplied from AS-i the load must not exceed a maximum of 380 mA.
		The load for an individual sensor connection must not exceed 200 mA.
		When connecting a 2-wire or 3-wire sensor without own supply there has to be an external link between pin 3 and pin 4.
		The inputs (pins 2 and 4) are electrically separated and have no connection to AS-i.
		The sensor supply (pins 1 and 3) is electrically connected to AS-i.
Pack quantity		1 pcs.

Electrical connection - AS-i

1:	AS-i +
2:	n.c.
3:	AS-i -
4:	n.c.
5:	functional earth (FE)

Connector: 1 x M12



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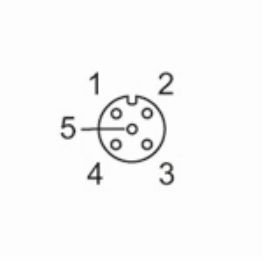
Electrical connection - Process connection

	Inputs
1	Sensor supply 24 V
2	analogue input AI +
3	Sensor supply 0 V
4	analogue input AI -
5	functional earth (FE)

Connector: 4 x M12