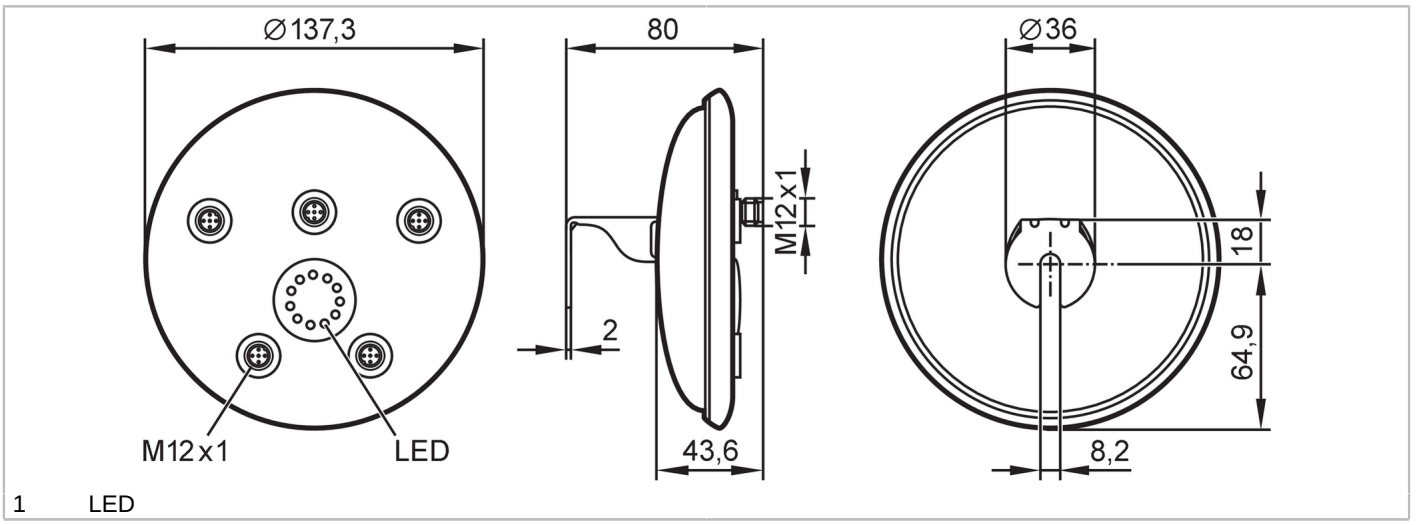
AC2923

AS-Interface ProcessLine module

ProcessLine 4AI C IP69K



1 LED

Application		
Application		hygienic and wet areas in the food industry
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		
Sensor supply of the inputs		AS-i
Voltage supply	[V]	18...30
Number of analogue inputs		4; (connection of 2-wire, 3-wire and 4-wire sensors)
Analogue input (current)	[mA]	4...20
Max. voltage drop across load for nominal voltage	[V]	10
Resolution		1 bit = 1 µA
Accuracy	[%]	0,5
Operating conditions		
Ambient temperature	[°C]	-5...70
Storage temperature	[°C]	-25...85
Max. relative air humidity	[%]	90; (linearly decreasing to 50 % (40 °C) non condensing)
Max. height above sea level	[m]	2000
Protection		IP 68; IP 69K
Pollution degree		2
Tests / approvals		
EMC		EN 62026-2
		EN 61000-6-2
MTTF	[years]	98

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AS-Interface ProcessLine module

ProcessLine 4AI C IP69K

AS-i classification		
AS-i version		2.11; 3.0
Extended addressing mode		no
AS-i master profile		M3; M4
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]	Ø 137.3 / L = 80
Materials		threaded bush: stainless steel (316L/1.4404); LED-Fenster: PC; O-ring: EPDM; Protective cap: PP

Displays / operating elements		
Display	analogue signal	LED, yellow channels AI1...AI4
	operation	LED, green AS-i
	errors	LED, red

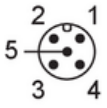
Electrical connection	
Module connection	M12

Accessories	
Accessories (optional)	Protective cap: M12, E70297
	Flat cable insulation displacement connector:, E70455
	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.
	MEW = % of the final value of the measuring range
Pack quantity	1 pcs.

Electrical connection - AS-i

Connector: 1 x M12; coding: A; Contacts: 5; Tightening torque: 1.2...1.4 Nm



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

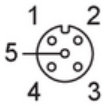
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AS-Interface ProcessLine module

ProcessLine 4AI C IP69K

Electrical connection - Process connection

Connector: 4 x M12; coding: A; Contacts: 5; Tightening torque: 1.2...1.4 Nm



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