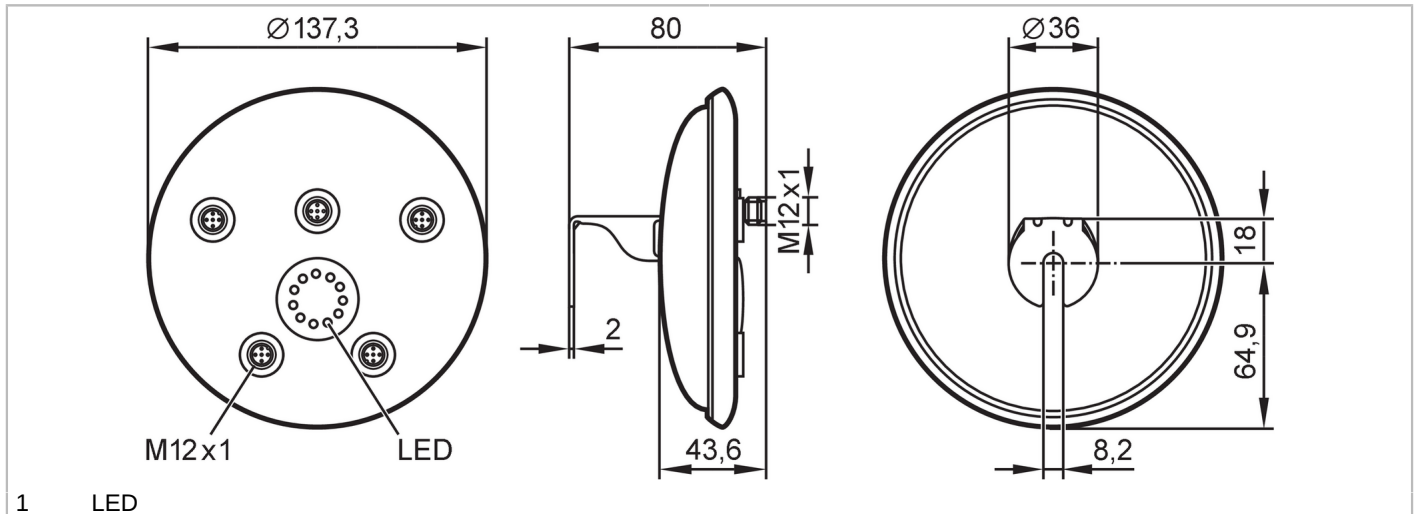


AC2916



AS-Interface ProcessLine module

ProcessLine 4AI C IP69K



Application	
Application	sanitary 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 analog inputs: 4
Inputs	
Sensor supply of the inputs	AS-i
Voltage supply [V]	18...30
Number of analog inputs	4; (connection of 2- and 3-wire sensors)
Analog input (current) [mA]	4...20
Max. voltage drop across load for nominal voltage [V]	10
Resolution of analog input	1 bit = 1 µA
Precision analog input [%]	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
Degree of soiling	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]	607
Housing	tubular
Type of mounting	Mounting base
Dimensions [mm]	Ø 137.3 / L = 80
Material	threaded bush: stainless steel (1.4404 / 316L); LED-Fenster: PC; O-ring: EPDM; Protective cap: PP

Displays / operating elements		
Display	analog signal	LED, yellow Channels AI1...AI4
	Power	LED, green AS-i
	errors	LED, red

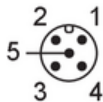
Electrical connection	
Module connection	M12

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.
	There is an electrical connection between the sensor and 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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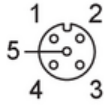


AS-Interface ProcessLine module

ProcessLine 4AI C IP69K

Electrical connection - Process connection

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



	Inputs
1	Sensor supply + 24 V
2	AI+
3	Sensor supply 0 V / AI-
4	n.c.
5	functional earth (FE)