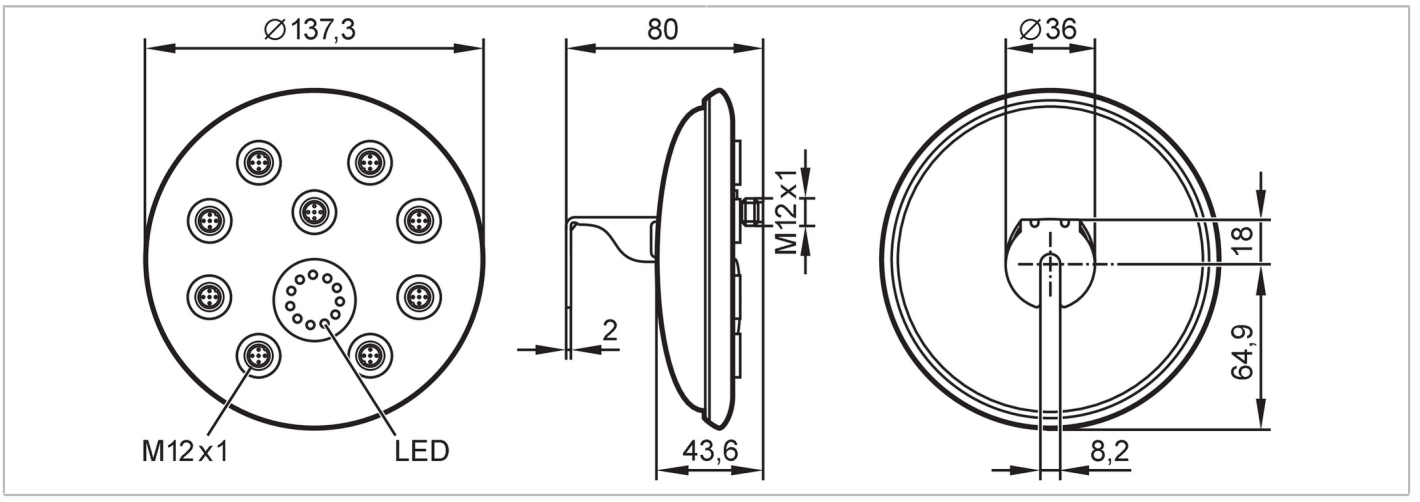
AC2910

AS-Interface ProcessLine module

ProcessLine 8DI IP69K



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]	500
Inputs / outputs		
Number of inputs and outputs		Number of digital inputs: 8
Inputs		
Number of digital inputs		8; (2 x Slave)
Input circuit of digital inputs		PNP; (type 2 according to IEC 61131-2)
Sensor supply of the inputs		AS-i
Voltage supply	[V]	18...30; (DC)
Max. total current rating of inputs	[mA]	400
Input current High	[mA]	6...10
Input current Low	[mA]	0...2
Switching level high	[V]	> 11
Digital inputs protected against short circuits		yes
Operating conditions		
Ambient temperature	[°C]	-5...70
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]	212

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AS-i classification						
AS-i version		2.1				
Extended addressing mode		yes				
AS-i master profile		M2; M3; M4				
AS-i profile		S-0.A.E				
AS-i I/O configuration	[hex]	0				
AS-i ID code	[hex]	A.E				
AS-i certificate		88901				
Assignment of the data bits		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
Mechanical data						
Weight	[g]	644				
Housing		cylindrical				
Type of mounting		mounting base				
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		operation	LED, green			
		errors	LED, red			
		function	LED, yellow			
Electrical connection						
Module connection		M12				
Accessories						
Items supplied		Protective cap: M12, E70297				
Accessories (optional)		Torque wrench:, E70390				
		Flat cable insulation displacement connector:, E70454				
Remarks						
Remarks		Inputs and outputs must be electrically isolated.				
		Do not connect any of the following points to an external potential:				
		I-, I+, I-1/2, I-2, I-3/4, I-4				
		The connections are electrically connected with the AS-i cable.				
		default setting of the ID1 codes: slave 1=1 / slave 2=2				
		The round cable connected to AS-i should not be longer than 2 m.				
Pack quantity		1 pcs.				

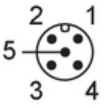
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AS-Interface ProcessLine module

ProcessLine 8DI IP69K

Electrical connection - AS-i

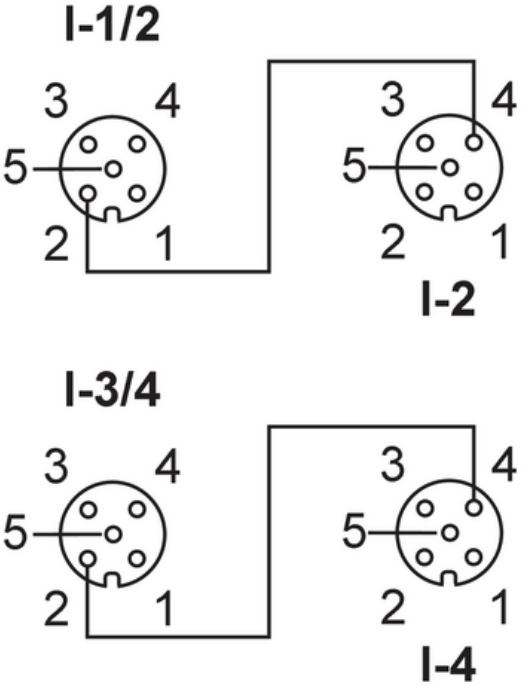
Connector: M12; coding: A; Contacts: 5; Tightening torque: 1.2...1.4 Nm



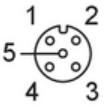
1	AS-i+
2	n.c.
3	AS-i -
4	n.c.
5	functional earth FE

Electrical connection - Inputs

Connection



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



1	Sensor supply L+
3	Sensor supply L-
5	functional earth