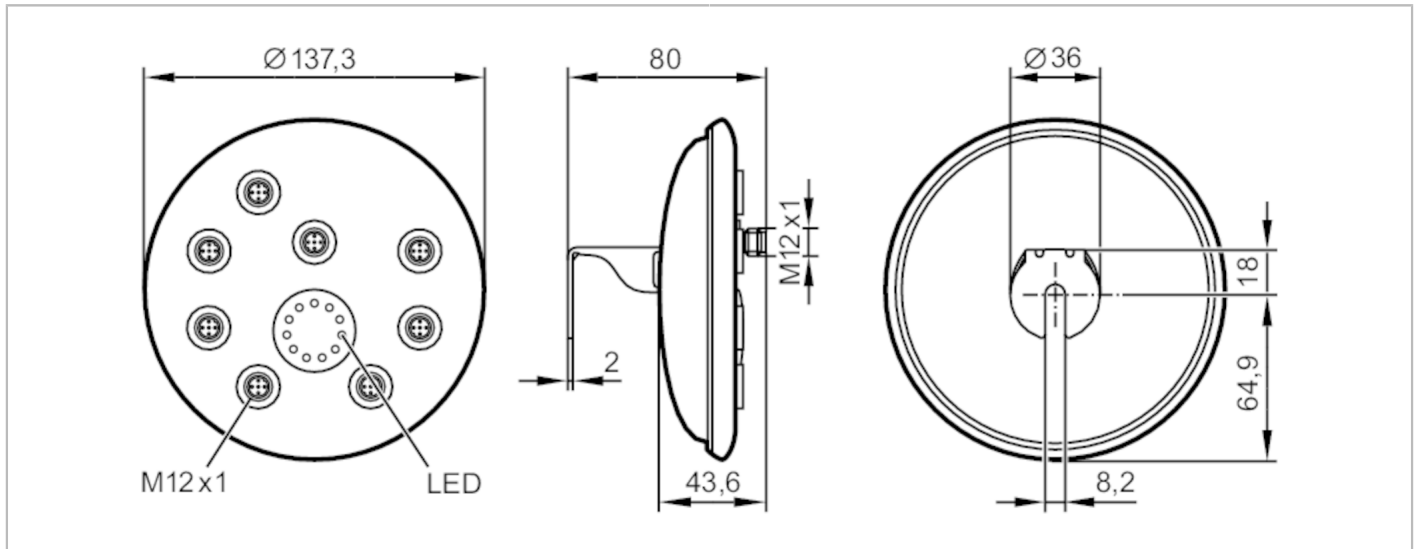


AC2904



AS-Interface ProcessLine module

ProcessLine 4DI 3DOT IP69K



Application

Application

for 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]	240
Additional voltage supply	[V]	20...30 DC; (AUX)
Max. current consumption from additional supply	[mA]	2100; (AUX)
Integrated watchdog		yes

Inputs / outputs

Number of inputs and outputs

Number of digital inputs: 4; Number of digital outputs: 3

Inputs

Number of digital inputs		4
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
Max. total current rating of inputs	[mA]	200
Input current High	[mA]	6...10
Input current Low	[mA]	0...2
Min. switching level high signal	[V]	11
Digital inputs protected against short circuits		yes



AS-Interface ProcessLine module

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Outputs					
Number of digital outputs	3				
Circuit	PNP				
Voltage range DC [V]	20...30; (AUX)				
Max. current load per output [mA]	700; (utilisation category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1))				
Max. current load outputs total [A]	2.1				
Short-circuit proof	yes				
Electrically separated	yes				
Operating conditions					
Ambient temperature [°C]	-5...70				
Protection	IP 68; IP 69K				
Tests / approvals					
EMC	EN 62026-2				
	EN 61000-6-2				
MTTF [years]	160				
AS-i classification					
AS-i version	2.1				
Extended addressing mode	yes				
AS-i profile	S-7.A.E				
AS-i I/O configuration [hex]	7				
AS-i ID code [hex]	A.E				
AS-i certificate	101107				
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
	Output	1	2	3	-
	socket	O-1	O-2	O-3	-
	pin	4	4	4	-
Mechanical data					
Weight [g]	632				
Dimensions [mm]	Ø 137.3 / L = 80				
Materials	threaded bush: stainless steel (1.4404 / 316L); PC; O-ring: EPDM				
Displays / operating elements					
Display	operation	LED, green			
	errors	LED, red			
	function	LED, yellow			
Electrical connection					
AS-i bus connection	M12				
Accessories					
Accessories (optional)	Torque wrench:, E70390				
	Protective cap: M12, E70297				
	Flat cable splitter box:, E70354				

AC2904



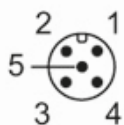
AS-Interface ProcessLine module

ProcessLine 4DI 3DOT IP69K

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. The round cable connected to AS-i/AUX should not be longer than 2 m.
Pack quantity	1 pcs.

Electrical connection - AS-i

Connector: M12



1	AS-i+
2	0 V AUX -
3	AS-i -
4	+24 V AUX +
5	functional earth FE

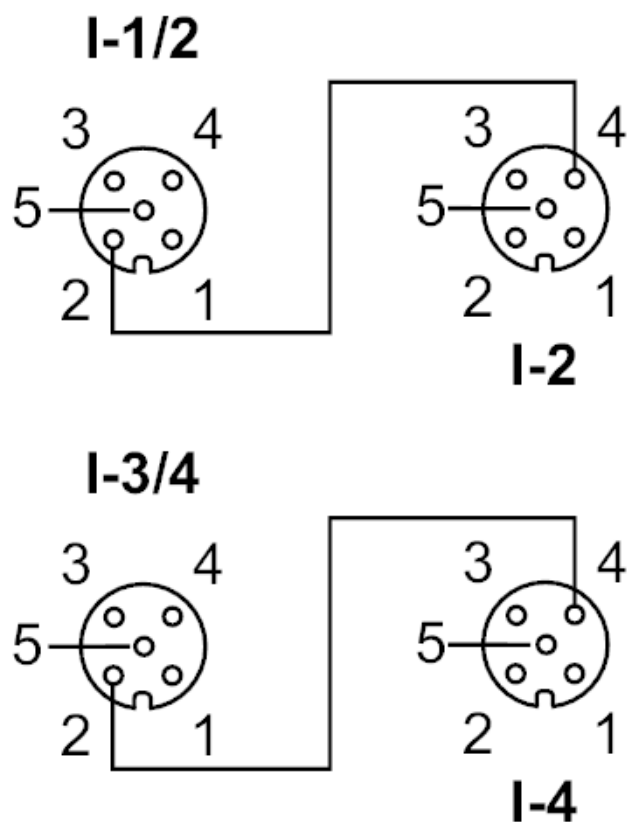


AS-Interface ProcessLine module

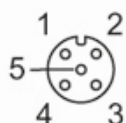
ProcessLine 4DI 3DOT IP69K

Electrical connection - Inputs

Connection



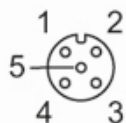
Connector: M12



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

Electrical connection - Outputs

Connector: M12



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AS-Interface ProcessLine module

ProcessLine 4DI 3DOT IP69K

3	external voltage AUX -
4	switching output
5	functional earth FE