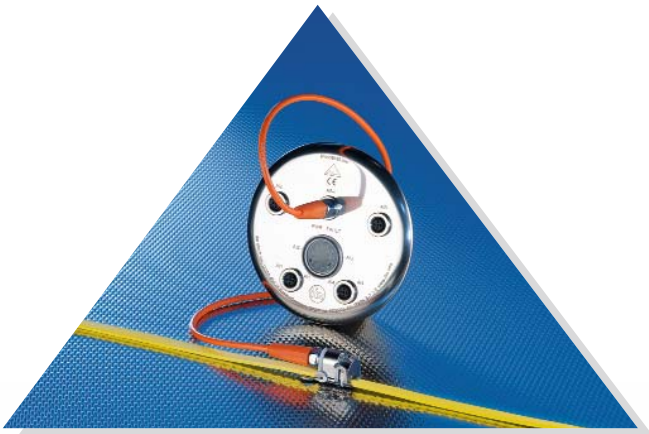




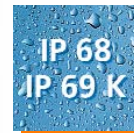
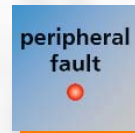
AS-i analogue module in stainless steel design with IP 69K.



ProcessLine

Highly robust for extreme cleaning requirements.

- ▲ 4-channel analogue input module 4...20 mA.
- ▲ Suitable for 2-wire and 3-wire sensors.
- ▲ Stainless steel housing tested and certified by ECOLAB.
- ▲ Connection via high-grade stainless steel splitters.

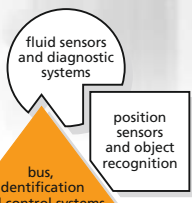


Introduction

The ProcessLine modules are particularly suited for applications with extreme cleaning conditions due to their high protection rating, the stainless steel housing and the simple, efficient mounting.

Special features

- ECOLAB tested and certified AS-i module
- Robust due to high protection ratings IP 68 and IP 69K
- Food-grade high-grade stainless steel housing
- No dirt deposits possible
- Easy cleaning
- Powerful LEDs for status and diagnosis



• **ECOLAB test**

The test sample is subjected to a predefined test procedure for material resistance.

Test criteria are the complete immersion in an alkaline and acid cleaning and disinfecting agent for 28 days. After this time, the test samples are subjected to a measurement of mass difference as well as to a visual inspection with respect to swelling, embrittlement and change of colour.

• **IP 69K ingress resistance test**

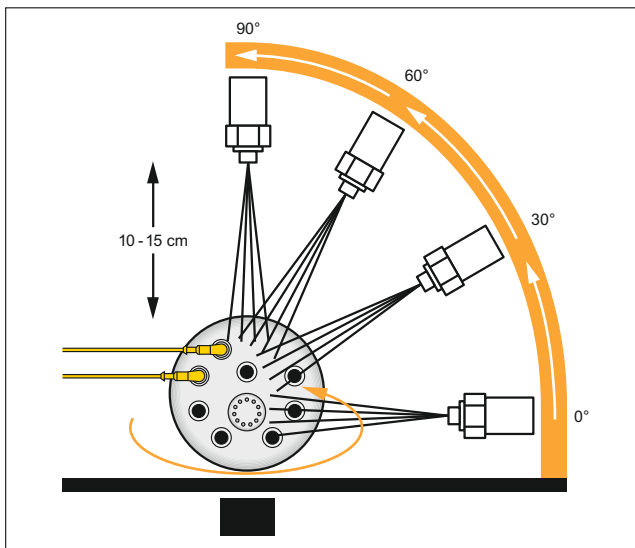
The goal of this test is to simulate requirements of high-pressure cleaning as, for example, those given in the food industry.

In the test fixture, the module and the connector are subjected to a water jet of 80...100 bar at a temperature of 80 °C.

The duration of each cleaning cycle is 30 seconds.

The spray nozzle is located at a defined angle and at a distance of 10...15 cm from the test sample.

Protection test IP 69K



Versions






In addition to the analogue input module, the ProcessLine family includes a passive splitter module (AC2900).

Furthermore, an AS-i module with 4 inputs and 3 outputs (AC2904) or a module with 8 digital inputs in the extended addressing mode (AC2910) are available.





Technical data

ProcessLine module AC2916		
Operating voltage (AS-i)	[V DC]	26.5...31.5
Analogue inputs	[number]	4
	[mA]	4...20 mA
Sensor supply from AS-i		•
Resolution	[bits]	12
Value range	[dec.]	4000...20000
Material of M12 plugs / sockets		high-grade stainless steel
Housing material		high-grade stainless steel
O-ring material		EPDM
Protection rating		IP 68, IP 69K
Operating temperature	[°C]	-5...70
AS-i profile		S-7.3.E

Accessories

Type	Description	Order no.
	AS-i flat cable "Food Automation", yellow	AC4007
	AS-i flat cable "Food Automation", black	AC4008
	FC splitter high-grade stainless steel, AS-i / 24 V via M12	E70354
	FC splitter, high-grade stainless steel, AS-i via M12	E70454
	FC splitter, high-grade stainless steel	E70377
	PVC protective cap, M12	E70297

Connectors and splitter boxes

Type	Description	Order no.
	Jumper M12 / M12, 0.6 m, high-grade stainless steel, IP 69K	EVT059
	Jumper M12 / M12, 1.0 m, high-grade stainless steel, IP 69K	EVT060
	Jumper M12 / M12, 2.0 m, high-grade stainless steel, IP 69K	EVT061
	Jumper M12 / M12, 5.0 m, high-grade stainless steel, IP 69K	EVT062