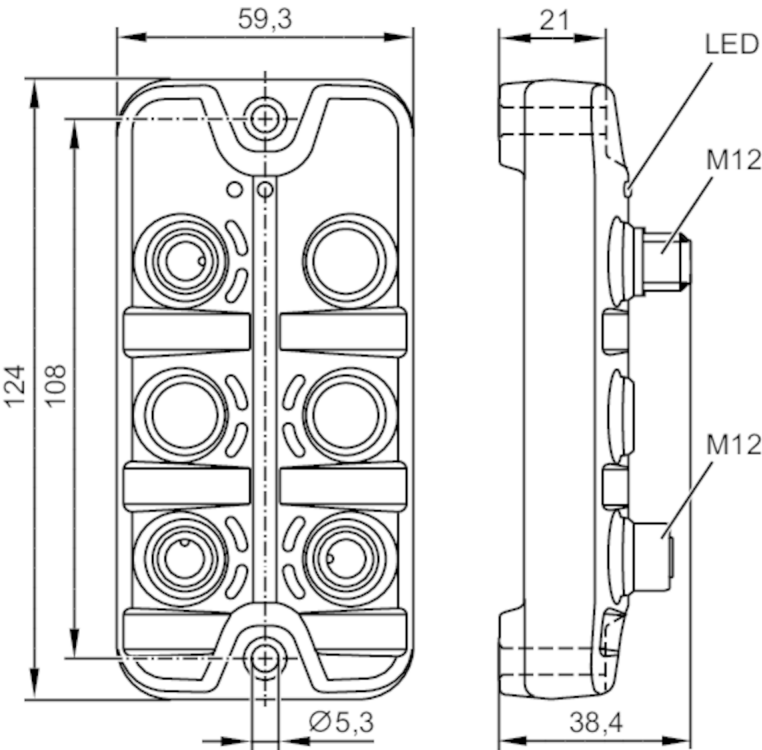




AS-Interface ProcessLine module

ProcessLine 2x (2DI/1DO) AS-i IP69K



Application

Application

sanitary and wet areas in the food industry

Electrical data

Operating voltage	[V]	18...31.6 DC
Max. current consumption from AS-i	[mA]	250
Protection class		III
Max. current load total	[A]	180; (total current for all inputs and outputs supplied from AS-i)
Integrated watchdog		yes

Inputs / outputs

Number of inputs and outputs

Number of digital inputs: 4; Number of digital outputs: 2

Inputs

Number of digital inputs		4
Input circuit of digital inputs		PNP
Sensor supply of the inputs		AS-i
Voltage supply	[V]	18...30
Max. total current rating of inputs	[mA]	180
Input current High	[mA]	2...4
Input current low	[mA]	0...1.5
Switching level high	[V]	> 11



AS-Interface ProcessLine module

ProcessLine 2x (2DI/1DO) AS-i IP69K

Digital inputs protected against short circuits	yes
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Outputs

Number of digital outputs	2
Circuit	PNP
Voltage range DC [V]	15...30
Max. current load per output [mA]	100
Max. current load outputs total [A]	0.18
Short-circuit proof	yes
Electrically separated	yes
Actuator supply outputs	AS-i

Operating conditions

Ambient temperature	[°C]	-25...60	
Storage temperature	[°C]	-25...85	
Max. relative air humidity	[%]	90; (non condensing)	
Max. height above sea level	[m]	4000	
Protection		IP 65; IP 66; IP 67; IP 69K; (operation with stainless steel protective caps: IP 69K)	
Degree of soiling		2	
Chemical media		ISO 16750-5	HLP, CC, DB, DC, DD, CA
		NEMA 250 5.13.1	AA

Tests / approvals

EMC	EN 62026-2	
	EN 61000-6-2	
	EN 61000-6-3	
	IEC 61131-2 Type 3	
Shock resistance	DIN EN 60068-2-27	
Vibration resistance	DIN EN 60068-2-6	
	DIN EN 60068-2-64	
MTTF [years]	178	
UL approval	File number UL	E205959

AS-i classification

AS-i version	2.11; 3.0				
Extended addressing mode	yes				
AS-i profile	S-7.A.E				
AS-i I/O configuration [hex]	0				
AS-i ID code [hex]	A.E				
Data bits	Data bit	D0	D1	D2	D3
	Input	1	2	3	4
	Socket	I-1/2	I-1/2	I-3/4	I-3/4
	Pin	4	2	4	2
	Output	1	2	-	-
	Socket	O-1	O-2	-	-
	Pin	4	4	-	-

Mechanical data

Weight [g]	232.6
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AC2952



AS-Interface ProcessLine module

ProcessLine 2x (2DI/1DO) AS-i IP69K

Housing	rectangular
Type of mounting	Backplane mounting
Dimensions [mm]	124 x 59.3 x 38.4
Material	housing: PA grey; Connectors: stainless steel (1.4404 / 316L); sealing: EPDM

Displays / operating elements

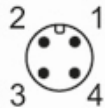
Display	Switching status	LED, yellow IN1...IN4; OUT1...OUT2
	Power	LED, green AS-i
	error	LED, red

Remarks

Remarks	Do not connect any of the following points to an external potential:
	L-; L+; IN1; IN2; IN3; IN4
	The connections are electrically connected with the AS-i cable.
Pack quantity	1 pcs.

Electrical connection - Power IN

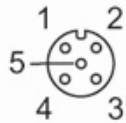
Connector: M12; coding: A



1	AS-i +
2	n.c.
3	AS-i -
4	n.c.

Electrical connection - inputs / outputs

Connector: M12; coding: A



I-1/2 / O-1

1	L+
2	IN2 DI2
3	L-
4	MP1 DI1 / DO1
5	n.c.

I-3/4 / O-2

1	L+
2	IN4 DI4
3	L-
4	MP2 DI3 / DO2
5	n.c.