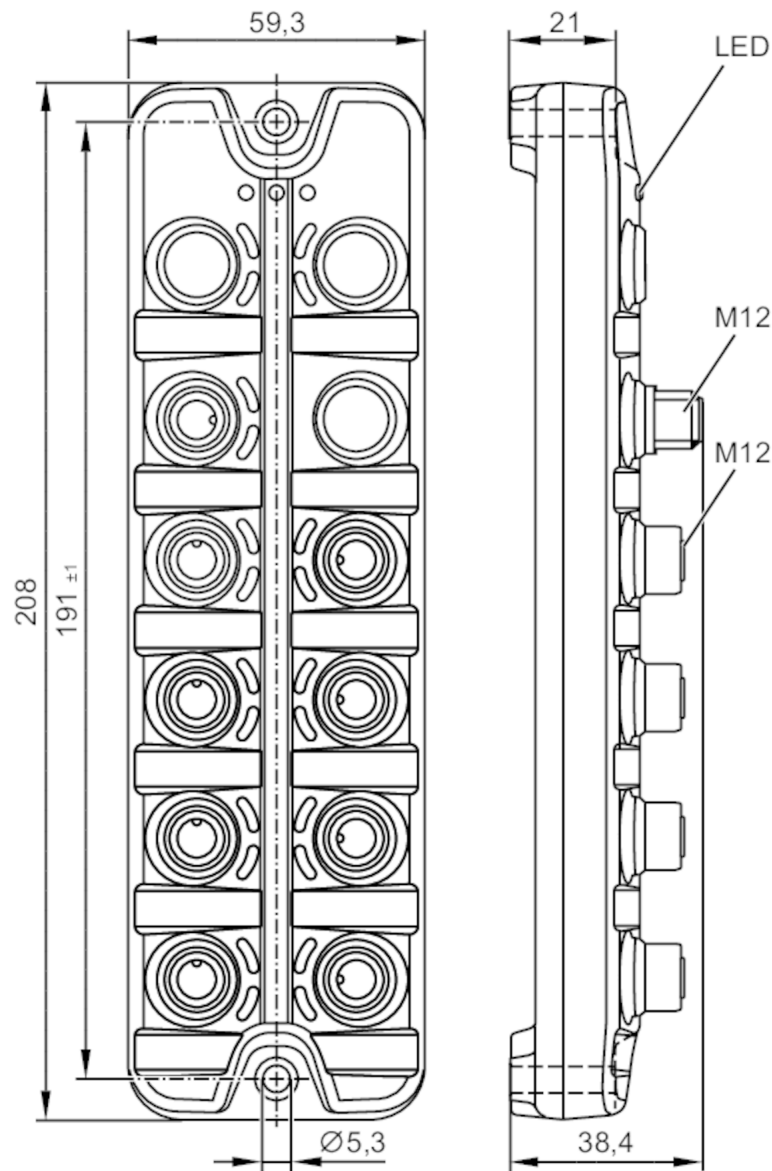


AC2953



AS-Interface ProcessLine module

ProcessLine 4DI-Y 4DO IP69K



Depending on the version some LEDs are inactive



Application

Application	sanitary and wet areas in the food industry
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Electrical data

Operating voltage	[V]	18...31.6 DC
Max. current consumption from AS-i	[mA]	250
Protection class		III
Additional voltage supply	[V]	15...30 DC
Max. current consumption from additional supply	[mA]	3500; (AUX)



AS-Interface ProcessLine module

ProcessLine 4DI-Y 4DO IP69K

Integrated watchdog	yes	
Inputs / outputs		
Number of inputs and outputs	Number of digital inputs: 4; Number of digital outputs: 4	
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	
Digital inputs protected against short circuits	yes	
Outputs		
Number of digital outputs	4	
Circuit	PNP	
Voltage range DC [V]	15...30	
Max. current load per output [mA]	1000	
Max. current load outputs total [A]	3.5	
Short-circuit proof	yes	
Electrically separated	yes	
Actuator supply outputs	AUX	
Operating conditions		
Ambient temperature [°C]	-25...60	
Note on ambient temperature	2000 m: -25...60 °C	
	3000 m: -25...56 °C	
	4000 m: -25...53 °C	
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]	123	



AS-Interface ProcessLine module

ProcessLine 4DI-Y 4DO IP69K

UL approval	File number UL	E205959
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AS-i classification

AS-i version	3.0				
Extended addressing mode	yes				
AS-i profile	S-7.A.7				
AS-i I/O configuration	[hex]	7			
AS-i ID code	[hex]	A.7			
AS-i ID1 code	[hex]	7; (fixed)			
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	4
	Socket	O-1	O-2	O-3	O-4
	Pin	4	4	4	4

Mechanical data

Weight [g]	401.1
Housing	rectangular
Type of mounting	Backplane mounting
Dimensions [mm]	208 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...OUT4
	Power	LED, green AS-i, AUX
	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

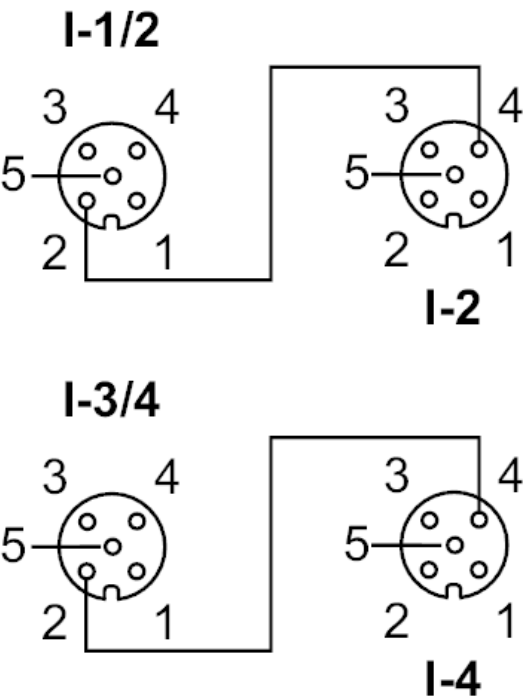


1	AS-i +
2	AUX-
3	AS-i -
4	AUX+



Electrical connection - Inputs

Connection



Connector: M12

I-1/2

1	L+
2	IN2 DI internal gebrückt mit Buchse I-2 PIN 4
3	L-
4	IN1 DI
5	n.c.

I-2

1	L+
2	n.c.
3	L-
4	IN2 DI internal gebrückt mit Buchse I-1/2 PIN 2
5	n.c.

I-3/4

1	L+
2	IN4 DI internal gebrückt mit Buchse I-4 PIN 4
3	L-
4	IN3 DI
5	n.c.

I-4

1	L+
2	n.c.
3	L-
4	IN4 DI internal gebrückt mit Buchse I-3/4 PIN 2
5	n.c.

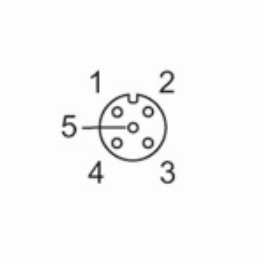


AS-Interface ProcessLine module

ProcessLine 4DI-Y 4DO IP69K

Electrical connection - Outputs

Connector: M12; coding: A



O-1...O-4	
1	n.c.
2	n.c.
3	OUT-
4	OUT DO
5	n.c.