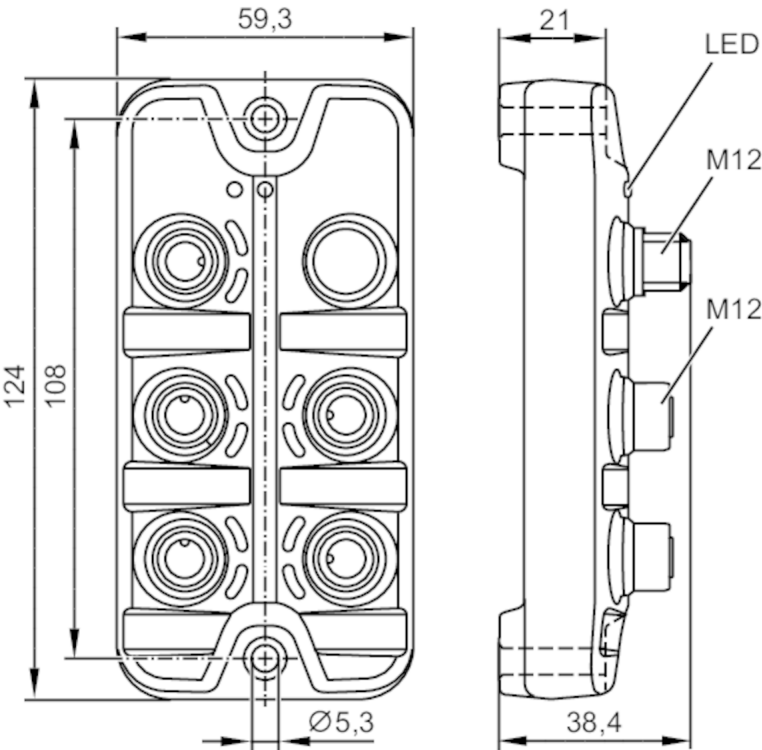




AS-Interface ProcessLine module

ProcessLine 4DI-Y IP69K



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
Integrated watchdog		yes

Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 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



AS-Interface ProcessLine module

ProcessLine 4DI-Y IP69K

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]	233			
UL approval		File number UL		E205959	
AS-i classification					
AS-i version		2.11; 3.0			
Extended addressing mode		yes			
AS-i profile		S-0.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-2	I-3/4	I-3/4 / I-4
	Pin	4	2 4	4	2 4
Mechanical data					
Weight	[g]	234.1			
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			
	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.			



AS-Interface ProcessLine module

ProcessLine 4DI-Y IP69K

Electrical connection - Power IN

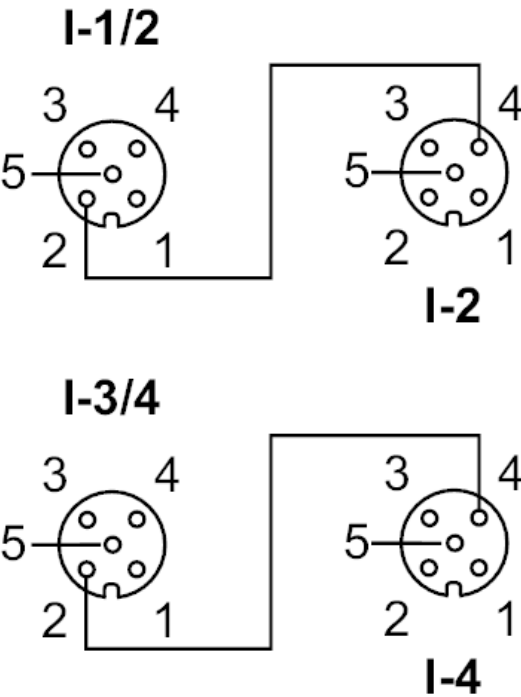
Connector: M12; coding: A



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

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.

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AS-Interface ProcessLine module

ProcessLine 4DI-Y IP69K

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.