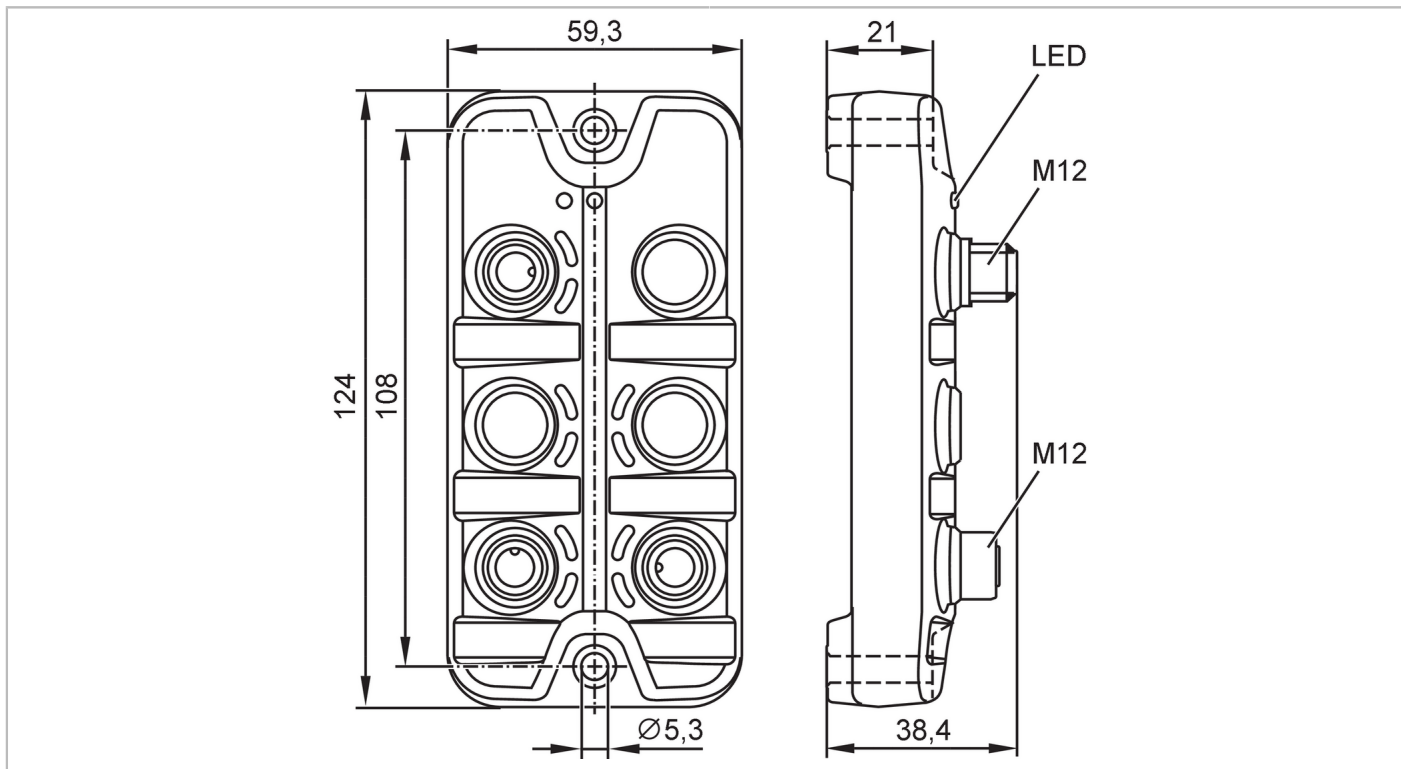


AC2952



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
Digital inputs protected against short circuits	yes



AS-Interface ProcessLine module

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

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	<table border="1"> <thead> <tr> <th>Data bit</th> <th>D0</th> <th>D1</th> <th>D2</th> <th>D3</th> </tr> </thead> <tbody> <tr> <td>Input</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>Socket</td> <td>I-1/2</td> <td>I-1/2</td> <td>I-3/4</td> <td>I-3/4</td> </tr> <tr> <td>Pin</td> <td>4</td> <td>2</td> <td>4</td> <td>2</td> </tr> <tr> <td>Output</td> <td>1</td> <td>2</td> <td>-</td> <td>-</td> </tr> <tr> <td>Socket</td> <td>O-1</td> <td>O-2</td> <td>-</td> <td>-</td> </tr> <tr> <td>Pin</td> <td>4</td> <td>4</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	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	-	-
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																																			
Housing	rectangular																																			
Type of mounting	Backplane mounting																																			

AC2952



AS-Interface ProcessLine module

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

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

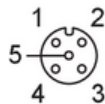
Connector: M12; coding: A; Contacts: 4



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

Electrical connection - inputs / outputs

Connector: M12; coding: A; Contacts: 4



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.