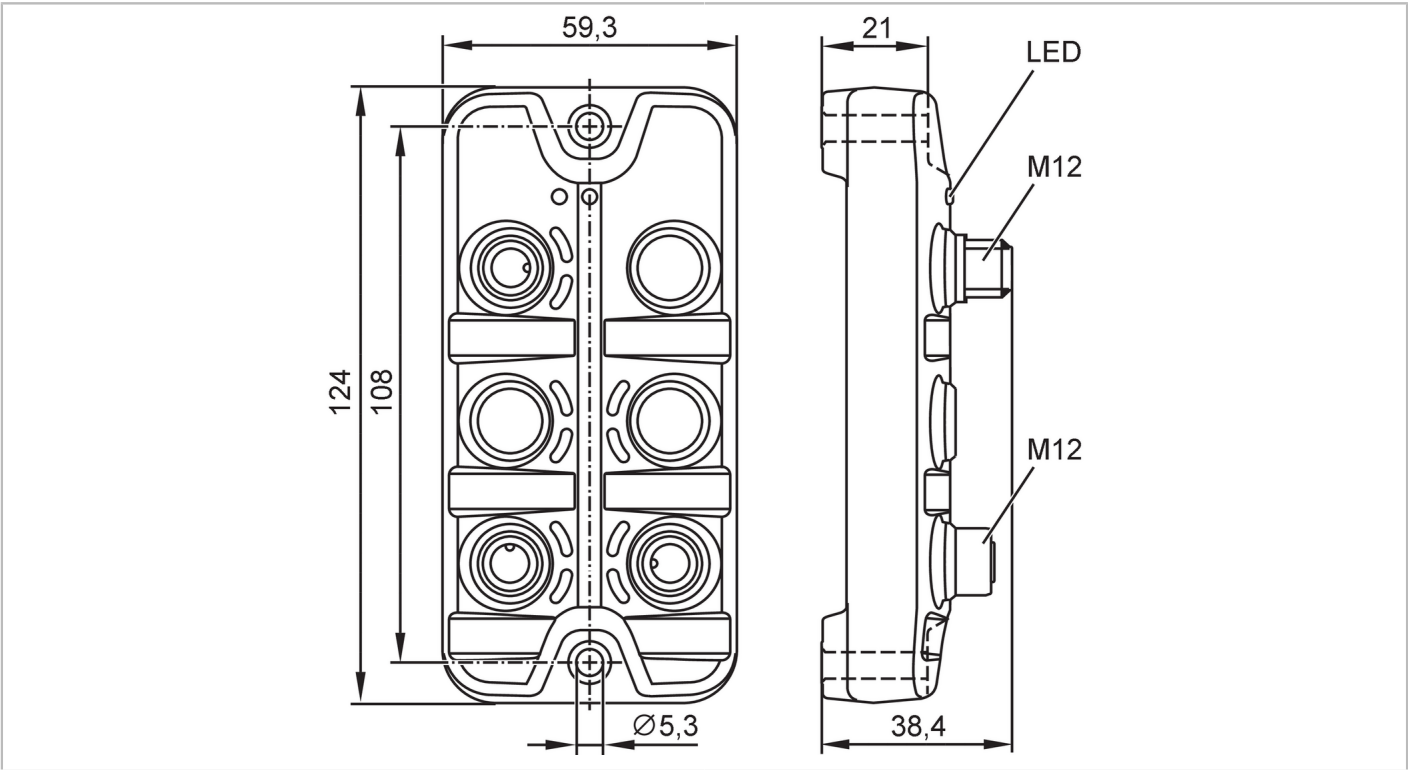




AS-Interface ProcessLine module

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) |                         |         |       |       |
| Pollution degree                    | 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                                                                                 |                         |         |       |       |
| 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

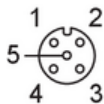
Connector: M12; coding: A; Contacts: 4



|   |        |
|---|--------|
| 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.          |