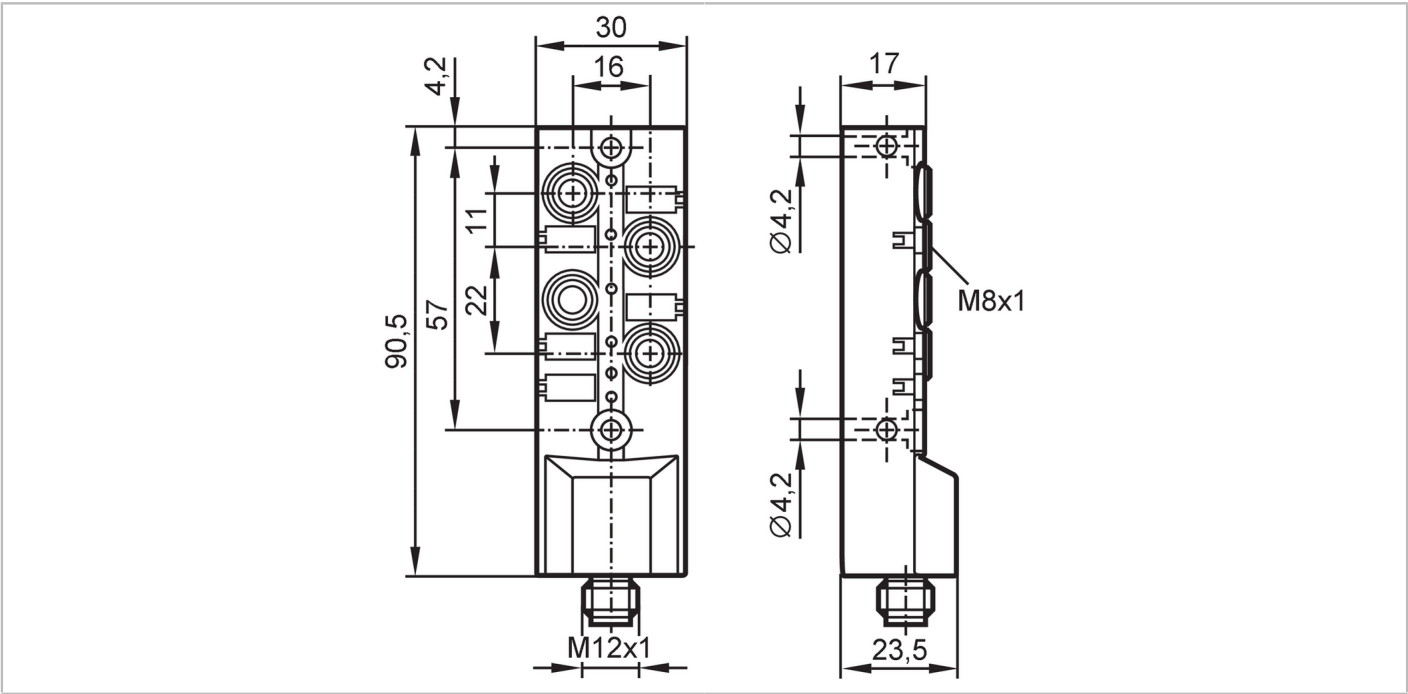




AS-Interface CompactLine module

CompactM8 2DI 2DO



| Application                                     |      |                                                           |
|-------------------------------------------------|------|-----------------------------------------------------------|
| Application                                     |      | field installation                                        |
| Electrical data                                 |      |                                                           |
| Operating voltage                               | [V]  | 26.5...31.6 DC                                            |
| Max. current consumption from AS-i              | [mA] | 230                                                       |
| Integrated watchdog                             |      | yes                                                       |
| Inputs / outputs                                |      |                                                           |
| Number of inputs and outputs                    |      | Number of digital inputs: 2; Number of digital outputs: 2 |
| Inputs                                          |      |                                                           |
| Number of digital inputs                        |      | 2                                                         |
| Input circuit of digital inputs                 |      | PNP; (type 2 according to IEC 61131-2)                    |
| Sensor supply of the inputs                     |      | AS-i                                                      |
| Voltage supply                                  | [V]  | 18...30; (DC)                                             |
| Max. total current rating of inputs             | [mA] | 180; (current load for all inputs and outputs: 180 mA)    |
| Switching level high                            | [V]  | > 11                                                      |
| Digital inputs protected against short circuits |      | yes                                                       |
| Outputs                                         |      |                                                           |
| Number of digital outputs                       |      | 2                                                         |
| Voltage range DC                                | [V]  | 18...30                                                   |
| Max. current load per output                    | [mA] | 180; (current load for all inputs and outputs: 180 mA)    |
| Short-circuit proof                             |      | yes                                                       |
| Electrically separated                          |      | no                                                        |



## AS-Interface CompactLine module

CompactM8 2DI 2DO

|                               |         |                      |                             |     |                              |     |          |
|-------------------------------|---------|----------------------|-----------------------------|-----|------------------------------|-----|----------|
| Actuator supply outputs       |         | AS-i                 |                             |     |                              |     |          |
| Operating conditions          |         |                      |                             |     |                              |     |          |
| Ambient temperature           | [°C]    | -25...60             |                             |     |                              |     |          |
| Storage temperature           | [°C]    | -25...60             |                             |     |                              |     |          |
| Max. relative air humidity    | [%]     | 90; (non condensing) |                             |     |                              |     |          |
| Max. height above sea level   | [m]     | 2000                 |                             |     |                              |     |          |
| Protection                    |         | IP 65; IP 67; IP 68  |                             |     |                              |     |          |
| Tests / approvals             |         |                      |                             |     |                              |     |          |
| EMC                           |         | EN 62026-2           |                             |     |                              |     |          |
|                               |         | EN 50581             |                             |     |                              |     |          |
| MTTF                          | [years] | 261                  |                             |     |                              |     |          |
| UL approval                   |         | voltage supply       |                             |     | Class 2                      |     |          |
| AS-i classification           |         |                      |                             |     |                              |     |          |
| AS-i version                  |         | 2.11; 3.0            |                             |     |                              |     |          |
| Extended addressing mode      |         | yes                  |                             |     |                              |     |          |
| AS-i master profile           |         | M2; M3; M4           |                             |     |                              |     |          |
| AS-i profile                  |         | S-B.A.E              |                             |     |                              |     |          |
| AS-i I/O configuration        |         | B                    |                             |     |                              |     |          |
| AS-i ID code                  |         | A.E                  |                             |     |                              |     |          |
| AS-i certificate              |         | 100901               |                             |     |                              |     |          |
| Data bits                     |         | Data bit             | D0                          | D1  | D2                           | D3  |          |
|                               |         | Input                | -                           | -   | 3                            | 4   |          |
|                               |         | Socket               | -                           | -   | I-3                          | I-4 |          |
|                               |         | Pin                  | -                           | -   | 4                            | 4   |          |
|                               |         | Output               | 1                           | 2   | -                            | -   |          |
|                               |         | Socket               | O-1                         | O-2 | -                            | -   |          |
|                               |         | Pin                  | 4                           | 4   | -                            | -   |          |
| Parameter bits                |         | Parameter bit        | Description                 |     |                              |     |          |
|                               |         | P0                   | not used                    |     |                              |     |          |
|                               |         | P1                   | peripheral fault indication | : 1 | activated                    | / 0 | disabled |
|                               |         | P2                   | not used                    |     |                              |     |          |
|                               |         | P3                   | not used                    |     |                              |     |          |
|                               |         |                      |                             |     |                              |     |          |
| Mechanical data               |         |                      |                             |     |                              |     |          |
| Weight                        | [g]     | 111                  |                             |     |                              |     |          |
| Housing                       |         | rectangular          |                             |     |                              |     |          |
| Type of mounting              |         | Backplane mounting   |                             |     |                              |     |          |
| Dimensions                    | [mm]    | 90.5 x 30 x 23.5     |                             |     |                              |     |          |
| Material                      |         | housing: PBT         |                             |     |                              |     |          |
| Displays / operating elements |         |                      |                             |     |                              |     |          |
| Display                       |         | Switching status     |                             |     | LED, yellow I1...I2, O1...O2 |     |          |
|                               |         | Power                |                             |     | LED, green AS-i              |     |          |
|                               |         | errors               |                             |     | LED, red                     |     |          |



AS-Interface CompactLine module

CompactM8 2DI 2DO

| Electrical connection  |                                                                        |
|------------------------|------------------------------------------------------------------------|
| Module connection      | M12                                                                    |
| Accessories            |                                                                        |
| Items supplied         | label tag                                                              |
|                        | Protective caps: 2                                                     |
| Accessories (optional) | Protective cap: M8, E73005                                             |
|                        | Flat cable insulation displacement connector: 1 m, round cable, E70582 |
|                        | Flat cable insulation displacement connector: M12, E70096              |
|                        | DIN rail adapter:, E73006                                              |
| Remarks                |                                                                        |
| Remarks                | Do not connect any of the following points to an external potential:   |
|                        | I-, I+, I1, I2                                                         |
|                        | The connections are electrically connected with the AS-i cable.        |
| Pack quantity          | 1 pcs.                                                                 |

Electrical connection

Electrical connection - AS-i

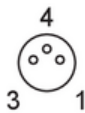
Connector: 1 x M12; coding: A; Contacts: 2



- |   |        |
|---|--------|
| 1 | AS-i + |
| 3 | AS-i - |

Electrical connection - Inputs

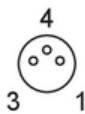
Connector: 2 x M8; coding: A; Contacts: 3



- |   |                  |
|---|------------------|
|   | Inputs           |
| 1 | Sensor supply L+ |
| 3 | Sensor supply L- |
| 4 | Data input       |

Electrical connection - Outputs

Connector: 2 x M8; coding: A; Contacts: 2



- |   |                     |
|---|---------------------|
|   | Outputs             |
| 1 | not used            |
| 3 | Internal voltage E- |
| 4 | Switching output +  |