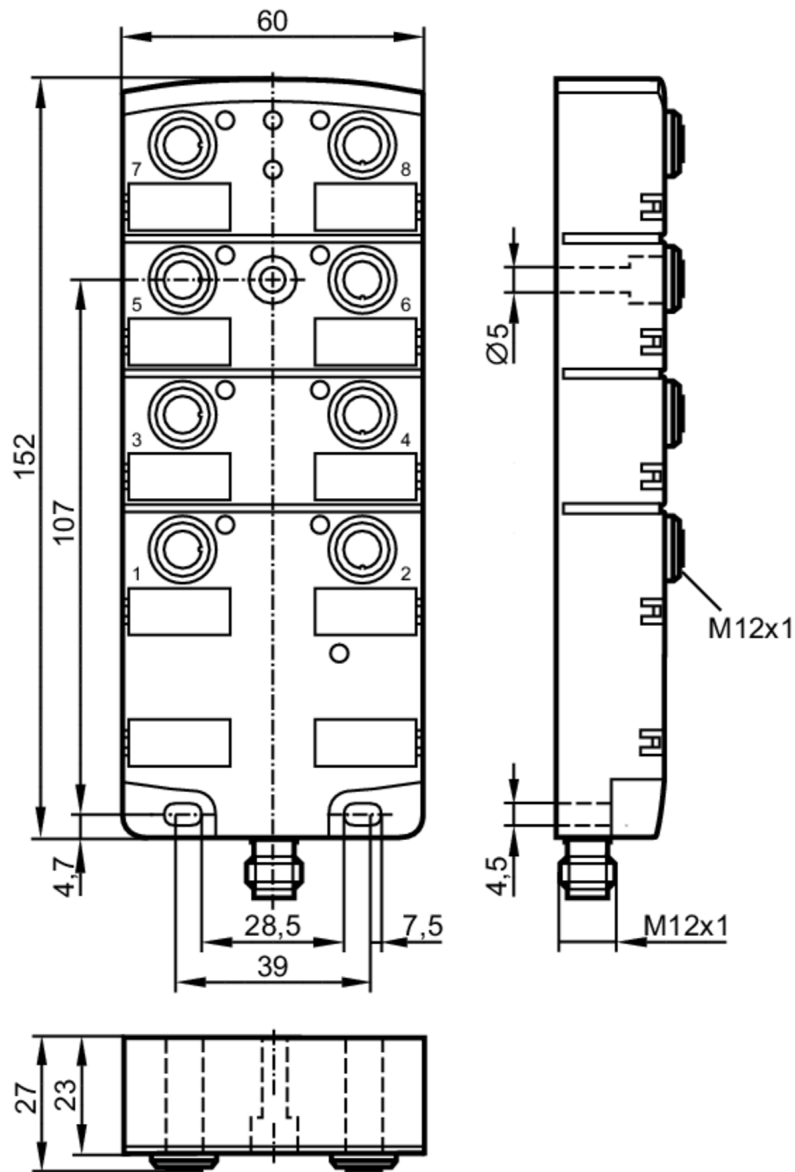




AS-Interface CompactLine module

CompactM12 4 DI-Y 4 DO A/B M12



| Application                                     |      |                    |
|-------------------------------------------------|------|--------------------|
| Application                                     |      | field installation |
| Electrical data                                 |      |                    |
| Operating voltage                               | [V]  | 26.5...31.6 DC     |
| Max. current consumption from AS-i              | [mA] | 250                |
| Max. current load total                         | [A]  | 4                  |
| Additional voltage supply                       | [V]  | 10...30 DC; (AUX)  |
| Max. current consumption from additional supply | [mA] | 4000; (AUX)        |
| Integrated watchdog                             |      | yes                |



## AS-Interface CompactLine module

CompactM12 4 DI-Y 4 DO A/B M12

| 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; (type 2 according to IEC 61131-2)                                               |         |
| Sensor supply of the inputs                     | AS-i                                                                                 |         |
| Power supply [V]                                | 20...30; (DC)                                                                        |         |
| Max. total current rating of inputs [mA]        | 200                                                                                  |         |
| Input current limitation [mA]                   | 15                                                                                   |         |
| Input current High [mA]                         | 6...10                                                                               |         |
| Input current Low [mA]                          | 0...2                                                                                |         |
| Switching level high [V]                        | > 11                                                                                 |         |
| Digital inputs protected against short circuits | yes                                                                                  |         |
| Outputs                                         |                                                                                      |         |
| Number of digital outputs                       | 4                                                                                    |         |
| Circuit                                         | PNP                                                                                  |         |
| Voltage range DC [V]                            | 10...30; (AUX)                                                                       |         |
| Max. current load per output [mA]               | 2000; (utilisation category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1)) |         |
| Max. current load outputs total [A]             | 4                                                                                    |         |
| Short-circuit proof                             | yes                                                                                  |         |
| Electrically separated                          | yes                                                                                  |         |
| Actuator supply outputs                         | AUX                                                                                  |         |
| Operating conditions                            |                                                                                      |         |
| Ambient temperature [°C]                        | -25...80                                                                             |         |
| Storage temperature [°C]                        | -25...80                                                                             |         |
| Max. relative air humidity [%]                  | 90; (non condensing)                                                                 |         |
| Max. height above sea level [m]                 | 2000                                                                                 |         |
| Protection                                      | IP 67; (when flat cables are used E7400x / E7401x)                                   |         |
| Tests / approvals                               |                                                                                      |         |
| EMC                                             | EN 61000-6-2                                                                         |         |
|                                                 | EN 62026-2                                                                           |         |
|                                                 | EN 50581                                                                             |         |
| MTTF [years]                                    | 190                                                                                  |         |
| UL approval                                     | power supply                                                                         | Class 2 |
| AS-i classification                             |                                                                                      |         |
| AS-i version                                    | 3.0                                                                                  |         |
| AS-i addressing                                 | IR addressing possible                                                               |         |
| Extended addressing mode                        | yes                                                                                  |         |
| AS-i master profile                             | M4                                                                                   |         |
| AS-i profile                                    | S-7.A.7                                                                              |         |
| AS-i I/O configuration [hex]                    | 7                                                                                    |         |
| AS-i ID code [hex]                              | A.7                                                                                  |         |



AS-Interface CompactLine module

CompactM12 4 DI-Y 4 DO A/B M12

|                             |          |       |             |       |             |
|-----------------------------|----------|-------|-------------|-------|-------------|
| AS-i certificate            | 126101   |       |             |       |             |
| Assignment of the 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]                                          | 388.5 |
| Materials | PA; socket: brass nickel-plated; O-ring: FKM |       |

Displays / operating elements

|         |                  |                              |
|---------|------------------|------------------------------|
| Display | switching status | LED, yellow I1...I4, O1...O4 |
|         | operation        | LED, green AS-i, AUX         |
|         | errors           | LED, red                     |

Electrical connection

|                   |     |
|-------------------|-----|
| Module connection | M12 |
|-------------------|-----|

Accessories

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| Accessories (optional) | Stainless steel sleeve, for installation in case of high mechanical stress , E70402 |
|------------------------|-------------------------------------------------------------------------------------|

Remarks

|               |                                                                      |
|---------------|----------------------------------------------------------------------|
| Remarks       | Do not connect any of the following points to an external potential: |
|               | I-, I+, I1, I2, I3, I4                                               |
|               | The connections are electrically connected with the AS-i cable.      |
| Pack quantity | 1 pcs.                                                               |

Electrical connection - Inputs

Connection

|                |                       |
|----------------|-----------------------|
| Connector: M12 |                       |
|                | Inputs                |
| 1              | Sensor supply +       |
| 2              | data input            |
| 3              | Sensor supply -       |
| 4              | data input            |
| 5              | functional earth (FE) |

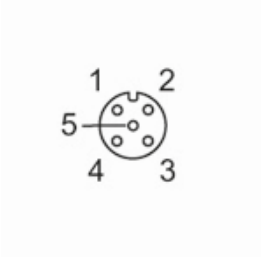


AS-Interface CompactLine module

CompactM12 4 DI-Y 4 DO A/B M12

Electrical connection - Outputs

Connector: M12; coding: A



|   |                        |
|---|------------------------|
|   | Outputs                |
| 1 | not used               |
| 2 | not used               |
| 3 | external voltage AUX - |
| 4 | switching output       |
| 5 | functional earth (FE)  |