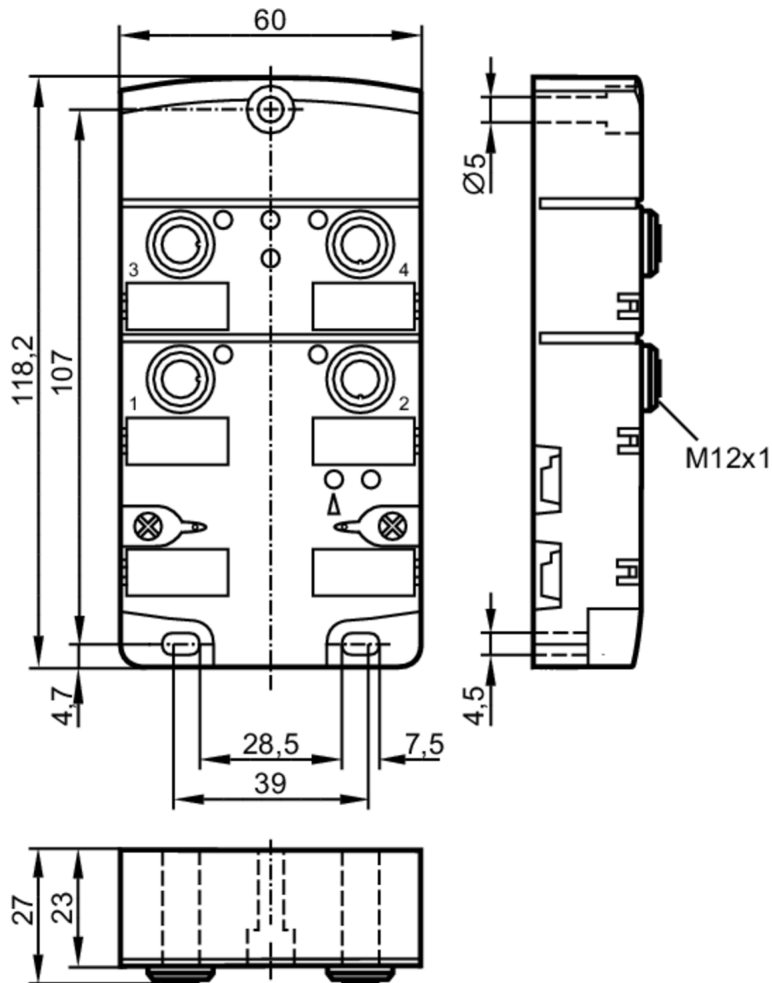




AS-Interface CompactLine module

CompactM12 2 DO 2 DI T V4A A/B



| Application                                          |                                                           |
|------------------------------------------------------|-----------------------------------------------------------|
| Application                                          | field installation                                        |
| Electrical data                                      |                                                           |
| Operating voltage [V]                                | 26.5...31.6 DC                                            |
| Max. current consumption from AS-i [mA]              | 220                                                       |
| 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                                                       |
| 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)                    |



## AS-Interface CompactLine module

CompactM12 2 DO 2 DI T V4A A/B

| Sensor supply of the inputs                     |      | AS-i          |
|-------------------------------------------------|------|---------------|
| Power supply                                    | [V]  | 20...30; (DC) |
| Max. total current rating of inputs             | [mA] | 180           |
| 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       |      | 2                                                                                    |
| 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]      | 251     |
| UL approval | power supply | Class 2 |

## AS-i classification

|                          |       |                        |
|--------------------------|-------|------------------------|
| AS-i version             |       | 2.11; 3.0              |
| AS-i addressing          |       | IR addressing possible |
| Extended addressing mode |       | yes                    |
| AS-i master profile      |       | M2; M3; M4             |
| AS-i profile             |       | S-B.A.E                |
| AS-i I/O configuration   | [hex] | B                      |
| AS-i ID code             | [hex] | A.E                    |
| AS-i certificate         |       | 128501                 |



AS-Interface CompactLine module

CompactM12 2 DO 2 DI T V4A A/B

|                             |          |     |     |     |     |
|-----------------------------|----------|-----|-----|-----|-----|
| Assignment of the data bits | data bit | D0  | D1  | D2  | D3  |
|                             | input    | -   | -   | 3   | 4   |
|                             | socket   | -   | -   | I-3 | I-4 |
|                             | pin      | -   | -   | 2+4 | 2+4 |
|                             | Output   | 1   | 2   | -   | -   |
|                             | socket   | O-1 | O-2 | -   | -   |
|                             | pin      | 4   | 4   | -   | -   |

Mechanical data

|                  |      |                                                                                                                                                                                                                           |
|------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weight           | [g]  | 292                                                                                                                                                                                                                       |
| Type of mounting |      | AS-i flat cables directly connectable                                                                                                                                                                                     |
| Dimensions       | [mm] | 118.2 x 60 x 27                                                                                                                                                                                                           |
| Materials        |      | PA; socket: stainless steel (316L/1.4404); threaded inserts in the lower part: stainless steel (316L/1.4404); O-ring: EPDM; screws: stainless steel (316Cu/1.4578); piercing contacts: CuSn6 nickel-plated and tin-plated |
| Sealing material |      | EPDM                                                                                                                                                                                                                      |

Displays / operating elements

|         |                  |                              |
|---------|------------------|------------------------------|
| Display | switching status | LED, yellow I1...I2, O1...O2 |
|         | operation        | LED, green AS-i, AUX         |
|         | errors           | LED, red                     |

Electrical connection

|                   |             |
|-------------------|-------------|
| Module connection | Flat cables |
|-------------------|-------------|

Accessories

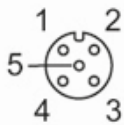
|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| Accessories (optional) | Stainless steel sleeve, for installation in case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

Remarks

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

Electrical connection - Inputs

Connector: M12; coding: A; Sealing: EPDM



|     |                                 |
|-----|---------------------------------|
|     | Inputs                          |
| 1   | Sensor supply L+                |
| 2+4 | data input 1 internally bridged |
| 3   | Sensor supply L-                |
| 5   | functional earth                |

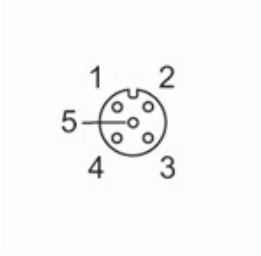


AS-Interface CompactLine module

CompactM12 2 DO 2 DI T V4A A/B

Electrical connection - Outputs

Connector: M12; coding: A; Sealing: EPDM



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