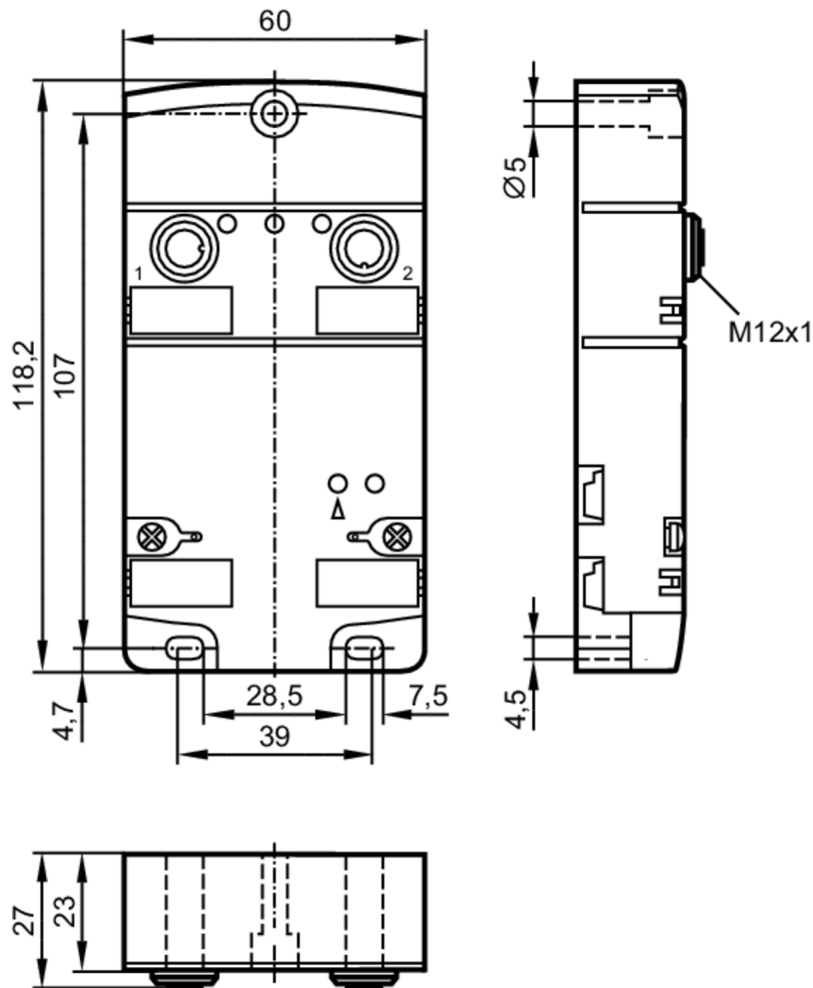


# AC2402



## AS-Interface CompactLine module

CompactM12 2 AI C V4A



### Application

Application field installation

### Electrical data

|                                         |                |
|-----------------------------------------|----------------|
| Operating voltage [V]                   | 26.5...31.6 DC |
| Max. current consumption from AS-i [mA] | 250            |
| Reverse polarity protection             | yes            |

### Inputs / outputs

Number of inputs and outputs Number of analog inputs: 2

### Inputs

|                                          |                                            |
|------------------------------------------|--------------------------------------------|
| Max. total current rating of inputs [mA] | 200                                        |
| Number of analog inputs                  | 2; (Anschluss von 2- und 3-Draht-Sensoren) |
| Analog input (current) [mA]              | 4...20                                     |

### Operating conditions

Ambient temperature [°C] -25...80



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|                             |      |                                                    |
|-----------------------------|------|----------------------------------------------------|
| 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]        | 167     |
| UL approval | voltage supply | Class 2 |

## AS-i classification

|                          |                        |
|--------------------------|------------------------|
| AS-i version             | 2.11; 3.0              |
| AS-i addressing          | IR addressing possible |
| Extended addressing mode | no                     |
| AS-i master profile      | M3; M4                 |
| AS-i profile             | S-7.3.D                |
| AS-i I/O configuration   | [hex] 7                |
| AS-i ID code             | [hex] 3.D              |
| AS-i certificate         | 99101                  |

## Mechanical data

|                  |      |                                                                                                                                                                                                                                     |
|------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weight           | [g]  | 275.5                                                                                                                                                                                                                               |
| Housing          |      | rectangular                                                                                                                                                                                                                         |
| Type of mounting |      | AS-i flat cable connection; Backplane mounting                                                                                                                                                                                      |
| Dimensions       | [mm] | 118.2 x 60 x 27                                                                                                                                                                                                                     |
| Material         |      | PA; Socket: stainless steel (1.4404 / 316L); threaded inserts in the lower part: stainless steel (1.4404 / 316L); screws in the lower part: stainless steel (1.4578 / 316Cu); Piercing contacts: CuSn6 nickel-plated and tin-plated |

## Displays / operating elements

|         |          |                               |
|---------|----------|-------------------------------|
| Display | Power    | LED, green Voltage AS-i       |
|         | errors   | LED, red                      |
|         | Function | LED, yellow Channels AI1, AI2 |

## Electrical connection

|                   |            |
|-------------------|------------|
| Module connection | Flat cable |
|-------------------|------------|

## Accessories

|                        |                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------|
| Accessories (optional) | Protective cap: M12, E73004<br>stainless steel sleeve, for installation in case of high mechanical stress , E70402 |
|------------------------|--------------------------------------------------------------------------------------------------------------------|

## Remarks

|               |                                                                                                                                                                                                                            |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remarks       | When the actuators are supplied from AS-i the load must not exceed a maximum of 200 mA.<br>There is an electrical connection between the sensor and AS-i.<br>The module is exclusively supplied via the yellow AS-i cable. |
| Pack quantity | 1 pcs.                                                                                                                                                                                                                     |

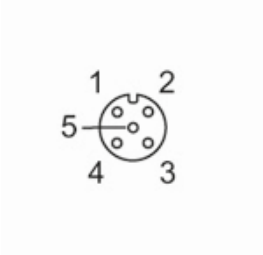


AS-Interface CompactLine module

CompactM12 2 AI C V4A

Electrical connection

Connector: M12; coding: A



|   |                                     |
|---|-------------------------------------|
| 1 | Sensor supply +24V                  |
| 2 | analog input AI +                   |
| 3 | Sensor supply 0V / analog input AI- |
| 5 | functional earth                    |