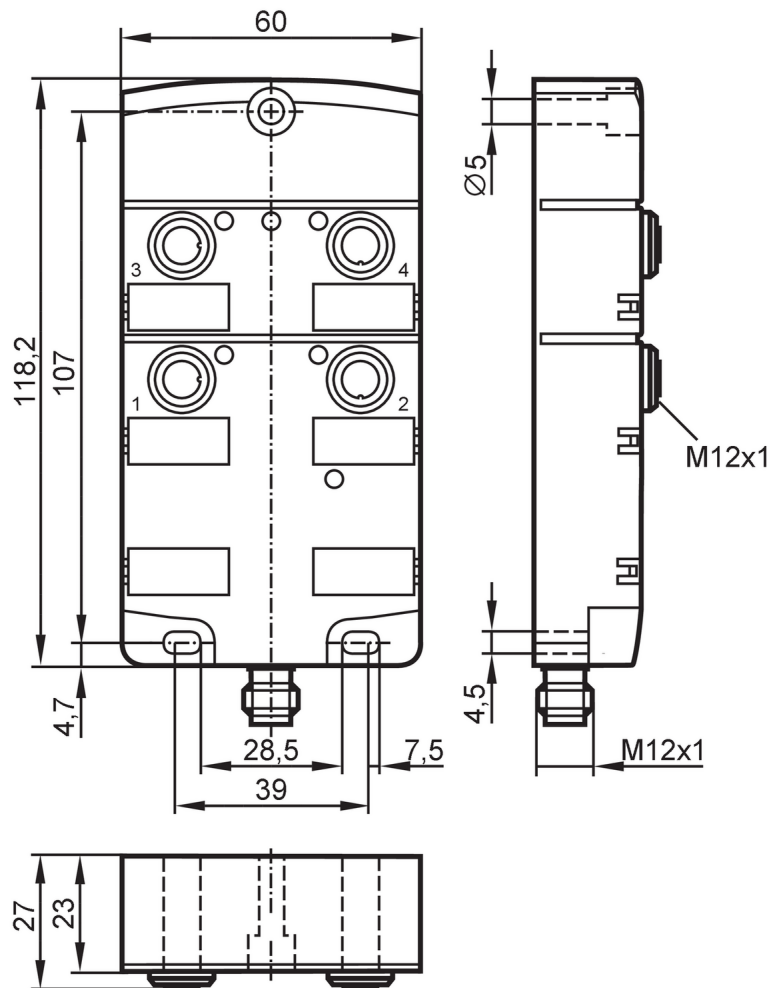


# AC2464



## AS-Interface CompactLine module

CompactLineM12 4DI M12



### Application

Application field installation

### Electrical data

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

### Inputs / outputs

Number of inputs and outputs Number of digital inputs: 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                                   |
| Voltage supply                      | [V] 20...30; (DC)                      |
| Max. total current rating of inputs | [mA] 200                               |
| Input current limitation            | [mA] 15                                |
| Input current High                  | [mA] 6...10                            |



## AS-Interface CompactLine module

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|                                                 |         |                                                                                     |     |                     |     |     |
|-------------------------------------------------|---------|-------------------------------------------------------------------------------------|-----|---------------------|-----|-----|
| Input current low                               | [mA]    | 0...2                                                                               |     |                     |     |     |
| Switching level high                            | [V]     | > 11                                                                                |     |                     |     |     |
| Digital inputs protected against short circuits |         | yes                                                                                 |     |                     |     |     |
| 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] | 382                                                                                 |     |                     |     |     |
| 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                             |         | M2; M3; M4                                                                          |     |                     |     |     |
| AS-i profile                                    |         | S-0.0.E                                                                             |     |                     |     |     |
| AS-i I/O configuration                          | [hex]   | 0                                                                                   |     |                     |     |     |
| AS-i ID code                                    | [hex]   | 0.E                                                                                 |     |                     |     |     |
| AS-i certificate                                |         | 40501                                                                               |     |                     |     |     |
| Data bits                                       |         | Data bit                                                                            | D0  | D1                  | D2  | D3  |
|                                                 |         | Input                                                                               | 1   | 2                   | 3   | 4   |
|                                                 |         | Socket                                                                              | I-1 | I-2                 | I-3 | I-4 |
|                                                 |         | Pin                                                                                 | 2+4 | 2+4                 | 2+4 | 2+4 |
| Mechanical data                                 |         |                                                                                     |     |                     |     |     |
| Weight                                          | [g]     | 301.5                                                                               |     |                     |     |     |
| Housing                                         |         | rectangular                                                                         |     |                     |     |     |
| Type of mounting                                |         | Backplane mounting                                                                  |     |                     |     |     |
| Dimensions                                      | [mm]    | 118.2 x 60 x 27                                                                     |     |                     |     |     |
| Material                                        |         | PA; Socket: brass nickel-plated; O-ring: FKM                                        |     |                     |     |     |
| Displays / operating elements                   |         |                                                                                     |     |                     |     |     |
| Display                                         |         | Switching status                                                                    |     | LED, yellow I1...I4 |     |     |
|                                                 |         | Power                                                                               |     | LED, green AS-i     |     |     |
|                                                 |         | errors                                                                              |     | LED, red            |     |     |
| Electrical connection                           |         |                                                                                     |     |                     |     |     |
| Module connection                               |         | M12                                                                                 |     |                     |     |     |
| Accessories                                     |         |                                                                                     |     |                     |     |     |
| Accessories (optional)                          |         | stainless steel sleeve, for installation in case of high mechanical stress , E70402 |     |                     |     |     |



AS-Interface CompactLine module

CompactLineM12 4DI M12

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

Electrical connection - AS-i

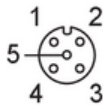
Connector: M12; coding: A; Contacts: 4



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

Electrical connection - Inputs

Connector: M12; coding: A; Contacts: 5



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