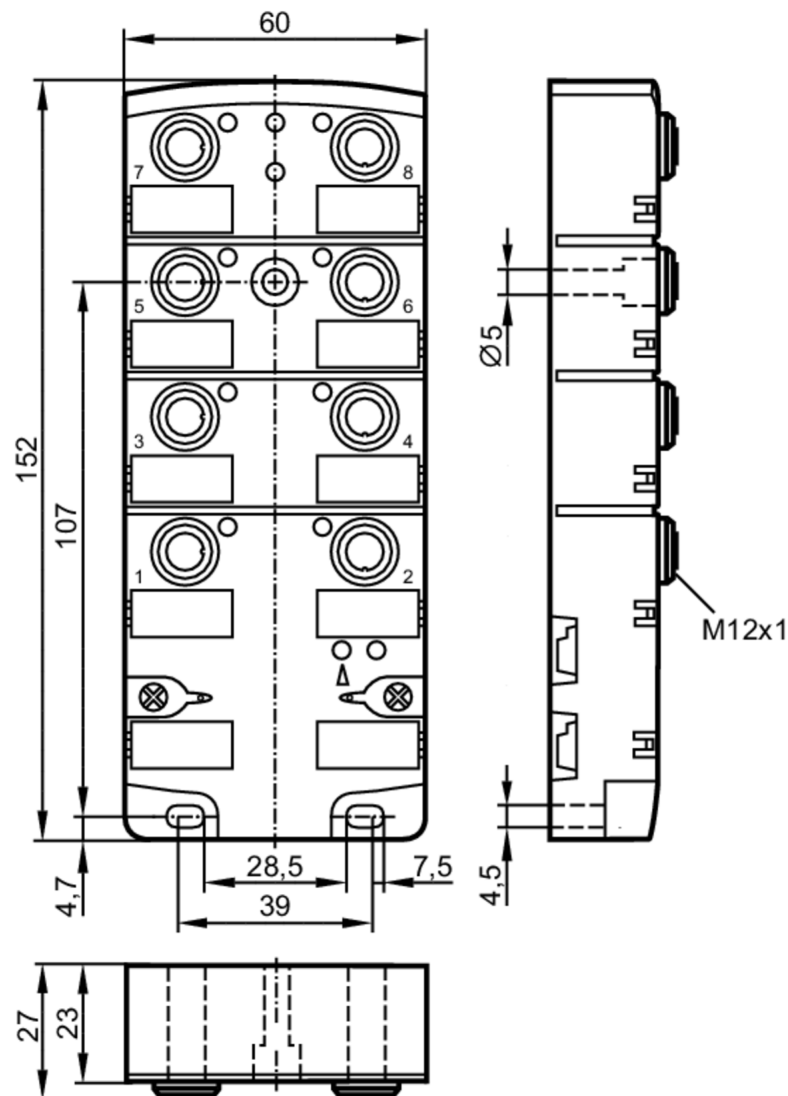




AS-Interface CompactLine module

CompactModule 4DI 4DOT M12 V4A



Electrical data

|                                    |      |                                             |
|------------------------------------|------|---------------------------------------------|
| Operating voltage                  | [V]  | 26.5...31.6 DC; ("supply class 2" to cULus) |
| Max. current consumption from AS-i | [mA] | 250                                         |
| Max. current load total            | [A]  | 4                                           |
| Additional voltage supply          | [V]  | 10...30 DC; (AUX)                           |
| Integrated watchdog                |      | yes                                         |

Inputs / outputs

|                              |                                                           |
|------------------------------|-----------------------------------------------------------|
| Number of inputs and outputs | Number of digital inputs: 4; Number of digital outputs: 4 |
|------------------------------|-----------------------------------------------------------|



## AS-Interface CompactLine module

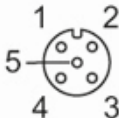
CompactModule 4DI 4DOT M12 V4A

| Inputs                                          |                                                                                           |     |     |     |     |
|-------------------------------------------------|-------------------------------------------------------------------------------------------|-----|-----|-----|-----|
| Number of digital inputs                        | 4                                                                                         |     |     |     |     |
| Input circuit of digital inputs                 | PNP                                                                                       |     |     |     |     |
| voltage supply [V]                              | 20...30                                                                                   |     |     |     |     |
| 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                                                                                     |     |     |     |     |
| Min. switching level high signal [V]            | 11                                                                                        |     |     |     |     |
| Digital inputs protected against short circuits | yes                                                                                       |     |     |     |     |
| Sensor supply of the inputs                     | AS-i                                                                                      |     |     |     |     |
| Outputs                                         |                                                                                           |     |     |     |     |
| Number of digital outputs                       | 4                                                                                         |     |     |     |     |
| Beschaltung                                     | PNP                                                                                       |     |     |     |     |
| Voltage range DC                                | 10...30; (to PELV)                                                                        |     |     |     |     |
| Max. current load per output [mA]               | 2000; (utilisation category DC-13 (control of electromagnets): 20 W (IEC 60947-5-1))      |     |     |     |     |
| Short-circuit proof                             | yes                                                                                       |     |     |     |     |
| Electrically separated                          | yes                                                                                       |     |     |     |     |
| Operating conditions                            |                                                                                           |     |     |     |     |
| Ambient temperature [°C]                        | -25...80                                                                                  |     |     |     |     |
| Protection                                      | IP 67; ("enclosure type 1" according to cULus; when flat cables are used E7400x / E7401x) |     |     |     |     |
| Tests / approvals                               |                                                                                           |     |     |     |     |
| EMC                                             | EN 50295                                                                                  |     |     |     |     |
| AS-i classification                             |                                                                                           |     |     |     |     |
| AS-i addressing                                 | IR addressing possible                                                                    |     |     |     |     |
| Extended addressing mode possible               | no                                                                                        |     |     |     |     |
| AS-i profile                                    | S-7.0.E                                                                                   |     |     |     |     |
| AS-i I/O configuration [hex]                    | 7                                                                                         |     |     |     |     |
| AS-i ID code [hex]                              | 0.E                                                                                       |     |     |     |     |
| AS-i certificate                                | 46001                                                                                     |     |     |     |     |
| Assignment of the 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 |
|                                                 | Output                                                                                    | 1   | 2   | 3   | 4   |
|                                                 | socket                                                                                    | O-1 | O-2 | O-3 | O-4 |
|                                                 | pin                                                                                       | 4   | 4   | 4   | 4   |



## AS-Interface CompactLine module

CompactModule 4DI 4DOT M12 V4A

| Mechanical data                                                                     |                                                                                                                                                                                                                                 |             |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Weight                                                                              | [g]                                                                                                                                                                                                                             | 371.5       |
| Type of mounting                                                                    | AS-i flat cables directly connectable                                                                                                                                                                                           |             |
| Materials                                                                           | PA; socket: stainless steel (1.4404 / 316L); threaded inserts in the lower part: stainless steel (1.4404 / 316L); screws: stainless steel (1.4578 / 316Cu); piercing contacts: CuSn6 nickel-plated and tin-plated; O-ring EPDM; |             |
| Displays / operating elements                                                       |                                                                                                                                                                                                                                 |             |
| Display                                                                             | operation                                                                                                                                                                                                                       | LED, green  |
|                                                                                     | errors                                                                                                                                                                                                                          | LED, red    |
|                                                                                     | function                                                                                                                                                                                                                        | LED, yellow |
| Accessories                                                                         |                                                                                                                                                                                                                                 |             |
| Accessories (optional)                                                              | Stainless steel sleeve, for installation in case of high mechanical stress , E70402                                                                                                                                             |             |
| Remarks                                                                             |                                                                                                                                                                                                                                 |             |
| Remarks                                                                             | Inputs and outputs must be electrically isolated.                                                                                                                                                                               |             |
|                                                                                     | 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 - Outputs                                                     |                                                                                                                                                                                                                                 |             |
|                                                                                     | Outputs                                                                                                                                                                                                                         |             |
| 3                                                                                   | external voltage AUX -                                                                                                                                                                                                          |             |
| 4                                                                                   | switching output                                                                                                                                                                                                                |             |
| 5                                                                                   | functional earth (FE)                                                                                                                                                                                                           |             |
| 1, 2                                                                                | not used                                                                                                                                                                                                                        |             |
| Connector: M12                                                                      |                                                                                                                                                                                                                                 |             |
|  |                                                                                                                                                                                                                                 |             |
| Electrical connection - Inputs                                                      |                                                                                                                                                                                                                                 |             |
|                                                                                     | Inputs                                                                                                                                                                                                                          |             |
| 1                                                                                   | Sensor supply L+                                                                                                                                                                                                                |             |
| 2+4                                                                                 | data input 1 internally bridged                                                                                                                                                                                                 |             |
| 3                                                                                   | Sensor supply L-                                                                                                                                                                                                                |             |
| 5                                                                                   | functional earth                                                                                                                                                                                                                |             |
| Connector: M12                                                                      |                                                                                                                                                                                                                                 |             |

# AC2452



## AS-Interface CompactLine module

CompactModule 4DI 4DOT M12 V4A

