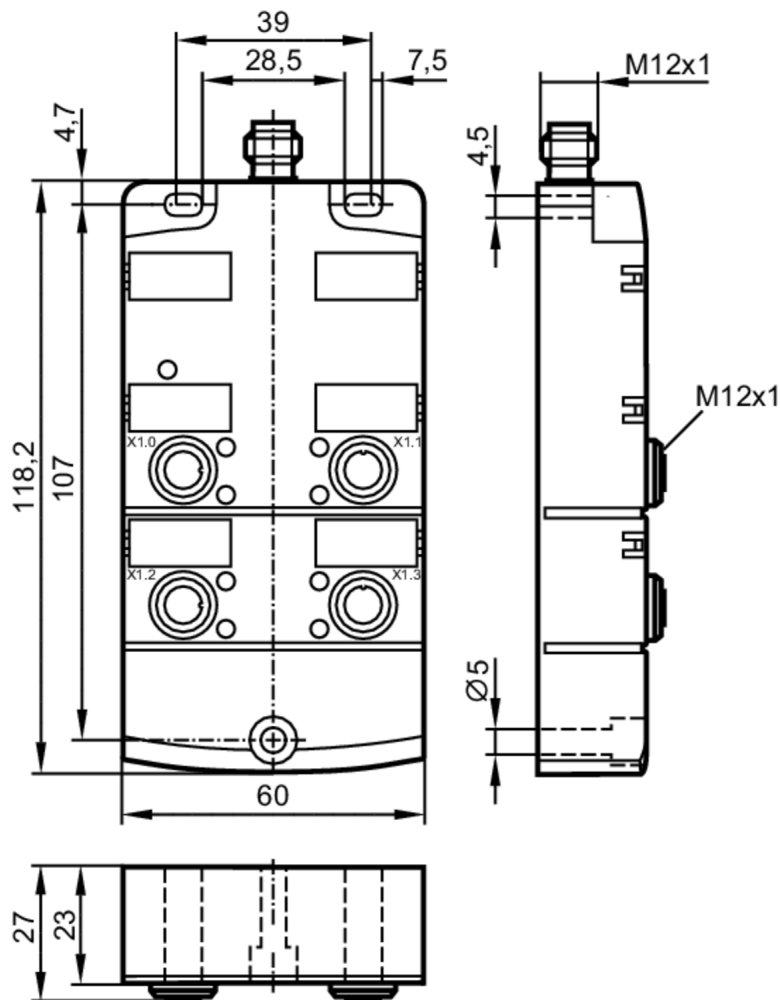


# AL2400



## IO-Link CompactLine module

IO-Link module 4 x 2 DI IP 67



| Electrical data                 |                             |                                               |
|---------------------------------|-----------------------------|-----------------------------------------------|
| Operating voltage               | [V]                         | 18...30 DC; (cULus - Class 2 source required) |
| Current consumption             | [mA]                        | < 50                                          |
| Sensor supply US                |                             |                                               |
| Current rating per port         | [A]                         | 0.1                                           |
| Inputs / outputs                |                             |                                               |
| Number of inputs and outputs    | Number of digital inputs: 8 |                                               |
| Inputs                          |                             |                                               |
| Number of digital inputs        | 8; (4 x 2)                  |                                               |
| Input circuit of digital inputs | PNP                         |                                               |
| Sensor supply of the inputs     | IO-Link                     |                                               |
| Input current limitation        | [mA]                        | 15                                            |
| Input current High              | [mA]                        | 6...10                                        |
| Input current low               | [mA]                        | 0...2                                         |
| Switching level high            | [V]                         | > 11                                          |

# AL2400



## IO-Link CompactLine module

IO-Link module 4 x 2 DI IP 67

|                                                 |     |
|-------------------------------------------------|-----|
| Digital inputs protected against short circuits | yes |
|-------------------------------------------------|-----|

### Interfaces

|                         |                   |          |
|-------------------------|-------------------|----------|
| Communication interface | IO-Link           |          |
| Supported DeviceIDs     | Type of operation | DeviceID |
|                         | default           | 554      |

|                         |                   |     |
|-------------------------|-------------------|-----|
| IO-Link Device          |                   |     |
| Transmission type       | COM2 (38,4 kBaud) |     |
| IO-Link revision        | 1.1               |     |
| SDCI standard           | IEC 61131-9       |     |
| SIO mode                | no                |     |
| Process data analog     | 1                 |     |
| Process data binary     | 12                |     |
| Min. process cycle time | [ms]              | 2.9 |

### Operating conditions

|                              |                 |                                     |
|------------------------------|-----------------|-------------------------------------|
| Ambient temperature          | [°C]            | -25...70                            |
| Protection                   | IP 67           |                                     |
| Protection rating (NEMA 250) | 6P              |                                     |
| Chemical media               | ISO 16750-5     | AA, BA, BD, HLP, CC, DB, DC, DD, CA |
|                              | NEMA 250 5.13.1 | AA                                  |

### Tests / approvals

|     |              |  |
|-----|--------------|--|
| EMC | EN 61000-6-2 |  |
|     | EN 61000-6-3 |  |
|     | IEC 61131-9  |  |

### Mechanical data

|                  |                                              |     |
|------------------|----------------------------------------------|-----|
| Weight           | [g]                                          | 300 |
| Material         | PA; Socket: brass nickel-plated; O-ring: FKM |     |
| Sealing material | FKM                                          |     |

### Displays / operating elements

|         |          |             |
|---------|----------|-------------|
| Display | Power    | 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       | For use in NFPA 79 Applications only                          |  |
|               | The device is to be operated to IO-Link specification V1.1.2. |  |
|               | The maximum cable length of the IO-Link cable is 20 m.        |  |
| Pack quantity | 1 pcs.                                                        |  |

# AL2400



## IO-Link CompactLine module

IO-Link module 4 x 2 DI IP 67

### Electrical connection - IO-Link

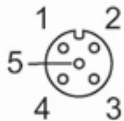
Connector: M12; coding: A



|   |          |
|---|----------|
| 1 | UB +     |
| 2 | not used |
| 3 | UB -     |
| 4 | IO-Link  |

### Electrical connection - Process connection

Connector: M12; coding: A; sealing: FKM



|   |                     |
|---|---------------------|
|   | Inputs X1.0...X1.3  |
| 1 | Sensor supply +24 V |
| 2 | IN 2                |
| 3 | Sensor supply 0 V   |
| 4 | IN 1                |
| 5 | not used            |