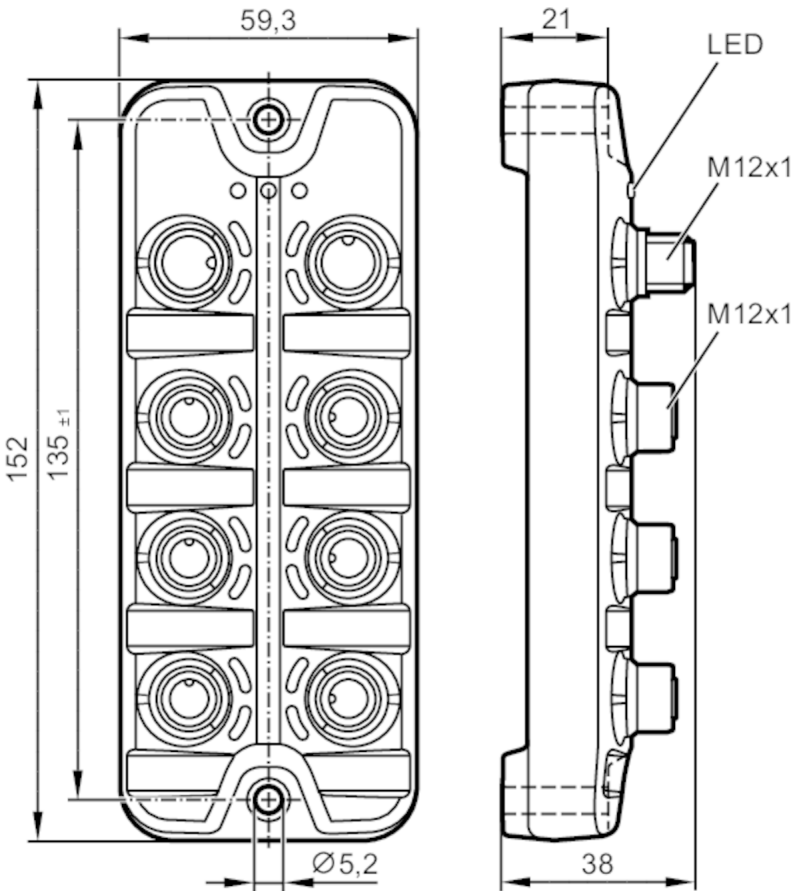


# AL2236



## IO-Link CompactLine module

IOL MOD SL 6XDO/DO E D M12 IP69K



| Application                                     |                                    |                                                   |
|-------------------------------------------------|------------------------------------|---------------------------------------------------|
| Application                                     | I/O modules for field applications |                                                   |
| Electrical data                                 |                                    |                                                   |
| Operating voltage                               | [V]                                | 18...30 DC; (US)                                  |
| Current consumption                             | [mA]                               | 50; (US)                                          |
| Protection class                                |                                    | III                                               |
| Additional voltage supply                       | [V]                                | 18...30 DC; (UA)                                  |
| Max. current consumption from additional supply | [mA]                               | 3600; (UA)                                        |
| Inputs / outputs                                |                                    |                                                   |
| Number of inputs and outputs                    | Number of digital outputs: 12      |                                                   |
| Outputs                                         |                                    |                                                   |
| Number of digital outputs                       | 12; (6 x 2)                        |                                                   |
| Output function                                 | PNP                                |                                                   |
| Max. current load per output                    | [mA]                               | 1800                                              |
| Max. current load outputs total                 | [A]                                | 3.6; (Max. current load per output side: 1800 mA) |
| Electrically separated                          | yes                                |                                                   |



## IO-Link CompactLine module

IOL MOD SL 6XDO/DO E D M12 IP69K

| Interfaces                    |                                                                                                                                                   |                         |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Communication interface       | IO-Link                                                                                                                                           |                         |
| Supported DeviceIDs           | Type of operation                                                                                                                                 | DeviceID                |
|                               | default                                                                                                                                           | 893                     |
| IO-Link Device                |                                                                                                                                                   |                         |
| Transmission type             | COM2 (38,4 kBaud)                                                                                                                                 |                         |
| IO-Link revision              | 1.1                                                                                                                                               |                         |
| SDCI standard                 | IEC 61131-9                                                                                                                                       |                         |
| SIO mode                      | no                                                                                                                                                |                         |
| Min. process cycle time       | [ms]                                                                                                                                              | 5.6                     |
| Operating conditions          |                                                                                                                                                   |                         |
| Ambient temperature           | [°C]                                                                                                                                              | -25...60                |
| Storage temperature           | [°C]                                                                                                                                              | -25...70                |
| Max. relative air humidity    | [%]                                                                                                                                               | 90                      |
| Max. height above sea level   | [m]                                                                                                                                               | 2000                    |
| Protection                    | IP 65; IP 67; IP 69K; (operation with stainless steel protective caps: IP 69K)                                                                    |                         |
| Protection rating (NEMA 250)  | 6P                                                                                                                                                |                         |
| Pollution degree              | 2                                                                                                                                                 |                         |
| Chemical media                | ISO 16750-5                                                                                                                                       | 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                                                                                                                                       |                         |
| Shock resistance              | DIN EN 60068-2-27                                                                                                                                 |                         |
| Vibration resistance          | DIN EN 60068-2-64                                                                                                                                 |                         |
|                               | DIN EN 60068-2-6                                                                                                                                  |                         |
| Mechanical data               |                                                                                                                                                   |                         |
| Weight                        | [g]                                                                                                                                               | 320.6                   |
| Housing                       | rectangular                                                                                                                                       |                         |
| Type of mounting              | backplane mounting                                                                                                                                |                         |
| Dimensions                    | [mm]                                                                                                                                              | 152 x 59.3 x 38         |
| Materials                     | housing: PA grey; socket: stainless steel (316L/1.4404)                                                                                           |                         |
| Sealing material              | EPDM                                                                                                                                              |                         |
| Displays / operating elements |                                                                                                                                                   |                         |
| Display                       | operation                                                                                                                                         | LED, green              |
|                               | errors                                                                                                                                            | LED, red                |
|                               | function                                                                                                                                          | LED, yellow             |
| Accessories                   |                                                                                                                                                   |                         |
| Accessories (optional)        | Protective caps M12                                                                                                                               |                         |
| Remarks                       |                                                                                                                                                   |                         |
| Remarks                       | Using the device within a system with requirements for functional safety is possible by deactivating the actuator voltage UA without interaction. |                         |
|                               | For further information on functional safety, please refer to the operating instructions supplement under “Downloads”.                            |                         |

# AL2236



## IO-Link CompactLine module

IOL MOD SL 6XDO/DO E D M12 IP69K

Pack quantity

1 pcs.

### Electrical connection - IO-Link

Connector: M12; coding: A

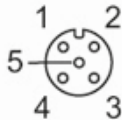


#### X1

|   |                |
|---|----------------|
| 1 | + 24 V DC (US) |
| 2 | not used       |
| 3 | GND (US)       |
| 4 | IO-Link        |

### Electrical connection - Outputs

Connector: M12; coding: A; Sealing: EPDM



#### X1.0...X1.5

|   |          |
|---|----------|
| 1 | not used |
| 2 | DO2      |
| 3 | GND (UA) |
| 4 | DO1      |
| 5 | not used |

### Electrical connection - power supply

Connector: M12; coding: A



#### X31

|   |                 |
|---|-----------------|
| 1 | + 24 V DC (UAL) |
| 2 | GND (UAR)       |
| 3 | GND (UAL)       |
| 4 | + 24 V DC (UAR) |