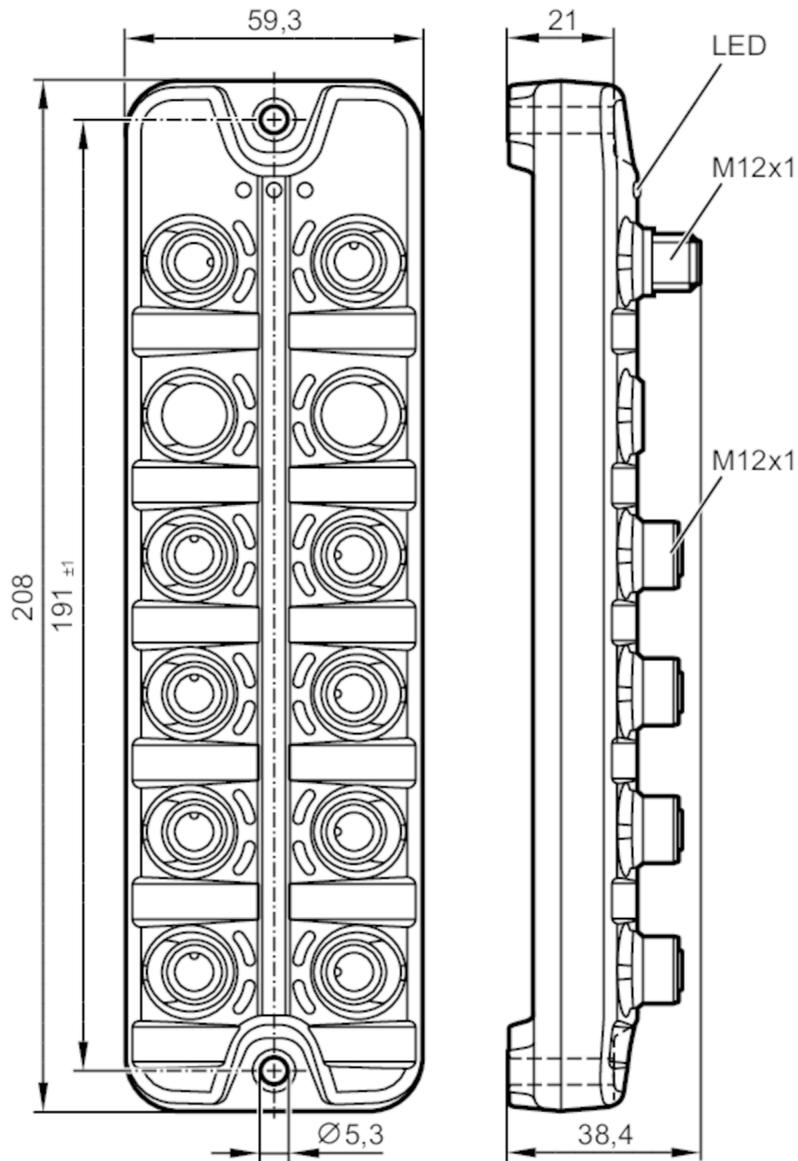


AL2205



IO-Link input/output module

IOL MOD SL 8XMP/DX E M12 IP69K



Depending on the version some LEDs are inactive



Electrical data

| | |
|--|-------------------------|
| Operating voltage [V] | 18...30 DC |
| Current consumption [mA] | 100; (US) |
| Protection class | III |
| Additional voltage supply [V] | 18...30 DC; (UA UAi) |
| Max. current consumption from additional supply [mA] | 4000; (UA; UAi: 400 mA) |

Inputs / outputs

| | |
|------------------------------------|--------------------|
| Total number of inputs and outputs | 16; (configurable) |
|------------------------------------|--------------------|

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Number of inputs and outputs

Number of digital inputs: 16; Number of analogue inputs: 8; Number of digital outputs: 16

Inputs

| | |
|---------------------------------|---|
| Number of digital inputs | 16; (configurable) |
| Input circuit of digital inputs | PNP; (type 3 (IEC 61131-2)) |
| Sensor supply of the inputs | AUX (UA, UAi) |
| Power supply [V] | 18...30 |
| Input current High [mA] | 2...15 |
| Input current Low [mA] | 0...1.5 |
| Switching level high [V] | 11...28 |
| Switching level low [V] | 0...5 |
| Number of analogue inputs | 8; (configurable current/voltage input) |
| Analogue input (current) [mA] | 4...20 |
| Analogue input (voltage) [V] | 0...10 |
| Resolution of analogue input | 16 Bit |

Outputs

| | |
|-------------------------------------|---|
| Number of digital outputs | 16; (configurable) |
| Max. current load per output [mA] | 1800 |
| Max. current load outputs total [A] | 3.6; (max. current load per segment: 1800 mA) |
| Short-circuit protection | yes |
| Actuator supply outputs | AUX (UA) |

Interfaces

| | |
|------------------------------|--------------------|
| Communication interface | IO-Link |
| SDCI standard | IEC 61131-9 |
| Transmission type | COM3 (230,4 kBaud) |
| IO-Link revision | 1.1 |
| SIO mode | no |
| Required master port type | A |
| Min. process cycle time [ms] | 4 |

| | | |
|---------------------|---|-----------------|
| Supported DeviceIDs | Type of operation | DeviceID |
| | Acyclic parametrisation | 1316 |
| | Factory setting: parametrisation via Pdout | 1315 |
| Note | Parameterisation can be changed from cyclical to acyclical. For further information please see the IODD PDF file under "Downloads" | |

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 NEMA 250 5.13.1 | HLP, CC, DB, DC, DD, CA AA |

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| 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 | |
| MTTF | [years] | 46 |

| Mechanical data | | |
|-------------------|---|-----------------|
| Weight | [g] | 407 |
| Dimensions | [mm] | 26 x 59.3 x 208 |
| Materials | housing: PA grey; socket: stainless steel (316L/1.4404) | |
| Sealing material | EPDM | |
| Tightening torque | [Nm] | < 0.8 |

| Displays / operating elements | | |
|-------------------------------|-----------|-----------------|
| Display | operation | 1 x LED, green |
| | fault | 1 x LED, red |
| | function | 1 x LED, yellow |

| Accessories | |
|------------------------|--------------------------------|
| Accessories (optional) | protective cap for M12 sockets |

| Remarks | |
|---------------|--------|
| Pack quantity | 1 pcs. |

Electrical connection - AUX

Connector: 1 x M12; coding: A



X31

| | |
|---|--|
| 1 | + 24 V DC (U _{Ai}) |
| 2 | GND (U _A /U _{Ai}) |
| 3 | not used |
| 4 | + 24 V DC (U _A) |

Electrical connection - IO-Link

Connector: 1 x M12; coding: A



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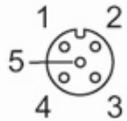
IO-Link input/output module

IOL MOD SL 8XMP/DX E M12 IP69K

| X1 | |
|----|----------------|
| 1 | + 24 V DC (US) |
| 2 | not used |
| 3 | GND (US) |
| 4 | IO-Link |

Electrical connection - inputs / outputs

Connector: 8 x M12; coding: A; Sealing: EPDM



| X1.0...X1.7 | |
|-------------|--|
| 1 | Sensor supply + 24 V DC (UA/UAi) |
| 2 | multifunctional input I2 digital output O2 |
| 3 | GND (UA/UAi) |
| 4 | digital input/output I1/O1 |
| 5 | not used |