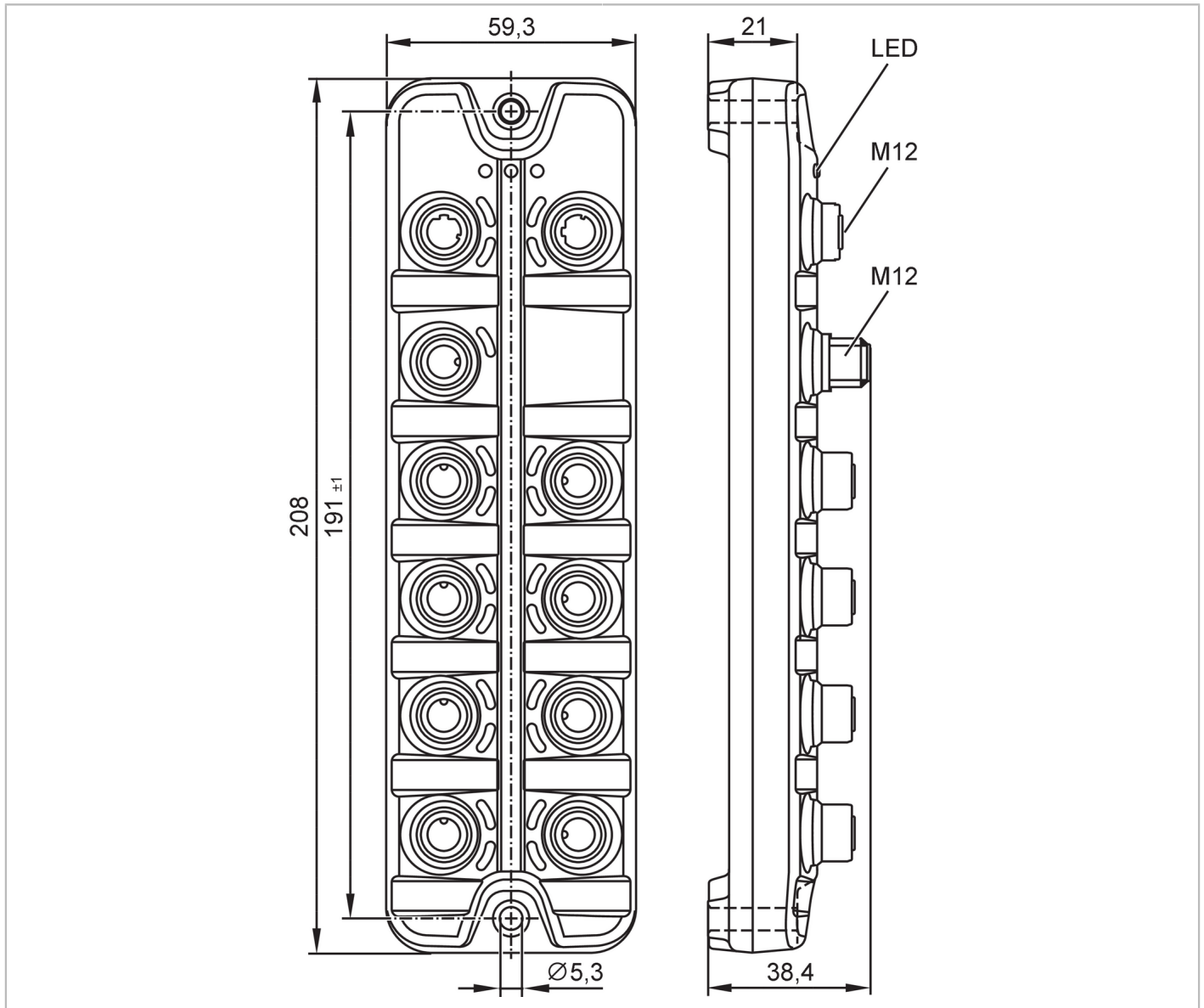


AL1102



IO-Link master with PROFINET interface

IO-Link Master SL PN 8P IP67



| Application | |
|------------------------------------|--|
| Application | I/O modules for field applications |
| Loop-through function | fieldbus interface |
| Electrical data | |
| Operating voltage [V] | 20...30 DC; (US ; to SELV/PELV) |
| Current consumption [mA] | 300...3900; (US) |
| Protection class | III |
| Sensor supply US | |
| Max. current load total [A] | 3.6 |
| Inputs / outputs | |
| Total number of inputs and outputs | 16; (configurable) |
| Number of inputs and outputs | Number of digital inputs: 16; Number of digital outputs: 8 |



IO-Link master with PROFINET interface

IO-Link Master SL PN 8P IP67

| Inputs | | |
|---|---|-------------------------------------|
| Number of digital inputs | 16; (IO-Link Port Class A: 8 x 2) | |
| Switching level high [V] | 11...30 | |
| Switching level low [V] | 0...5 | |
| Digital inputs protected against short circuits | yes | |
| Outputs | | |
| Number of digital outputs | 8; (IO-Link Port Class A: 8 x 1) | |
| Max. current load per output [mA] | 300 | |
| Short-circuit proof | yes | |
| Interfaces | | |
| Communication interface | Ethernet; IO-Link | |
| Ethernet - PROFINET | | |
| Transmission standard | 100Base-TX | |
| Transmission rate | 100 MBit/s | |
| Protocol | PROFINET | |
| Factory settings | IP address: 0.0.0.0 | |
| | subnet mask: 0.0.0.0 | |
| | gateway IP address: 0.0.0.0 | |
| | MAC address: see type label | |
| Note on interfaces | CC-C (Conformance Class C) (IRT-Switch) | |
| | Netload Class III | |
| | SNMP (Simple Network Management Protocol) | |
| | MRP (Media Redundancy Protocol) | |
| | supported network topologies: line | |
| | ring | |
| IO-Link Master | | |
| Transmission type | COM1 (4,8 kBaud); COM2 (38,4 kBaud); COM3 (230,4 kBaud) | |
| IO-Link revision | 1.1 | |
| Number of ports class A | 8 | |
| Operating conditions | | |
| Ambient temperature [°C] | -25...60 | |
| Storage temperature [°C] | -25...85 | |
| Max. relative air humidity [%] | 90 | |
| Protection | IP 65; IP 66; IP 67 | |
| Protection rating (NEMA 250) | 6P | |
| Pollution degree | 2 | |
| 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 61000-6-4 | |
| Shock resistance | DIN EN 60068-2-27 | |
| Vibration resistance | DIN EN 60068-2-64 2009-04 | |
| | DIN EN 60068-2-6 2008-10 | |



IO-Link master with PROFINET interface

IO-Link Master SL PN 8P IP67

| | | |
|------|---------|----|
| MTTF | [years] | 78 |
|------|---------|----|

Mechanical data

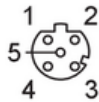
| | | |
|------------------|------|---|
| Weight | [g] | 396 |
| Housing | | rectangular |
| Type of mounting | | backplane mounting |
| Dimensions | [mm] | 208 x 59.3 x 38.4 |
| Materials | | housing: PA orange; socket: brass nickel-plated |
| Sealing material | | FKM |

Remarks

| | | |
|---------------|--|--|
| Remarks | For further information please see the operating instructions. | |
| Pack quantity | 1 pcs. | |

Electrical connection - Ethernet

Connector: 2 x M12; coding: D; Contacts: 4; Sealing: FKM

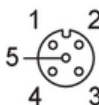


IN / OUT X21, X22

| | |
|---|----------|
| 1 | TX + |
| 2 | RX + |
| 3 | TX - |
| 4 | RX - |
| 5 | not used |

Electrical connection - IO-Link

Connector: 8 x M12; coding: A; Contacts: 4; Sealing: FKM



IO-Link Port Class A X01...X08

| | |
|---|-----------------------|
| 1 | Sensor supply (US) L+ |
| 2 | digital input |
| 3 | Sensor supply (US) L- |
| 4 | C/Q IO-Link |
| 5 | not used |

Electrical connection - voltage supply

Connector: 1 x M12; coding: A; Contacts: 4



X31

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