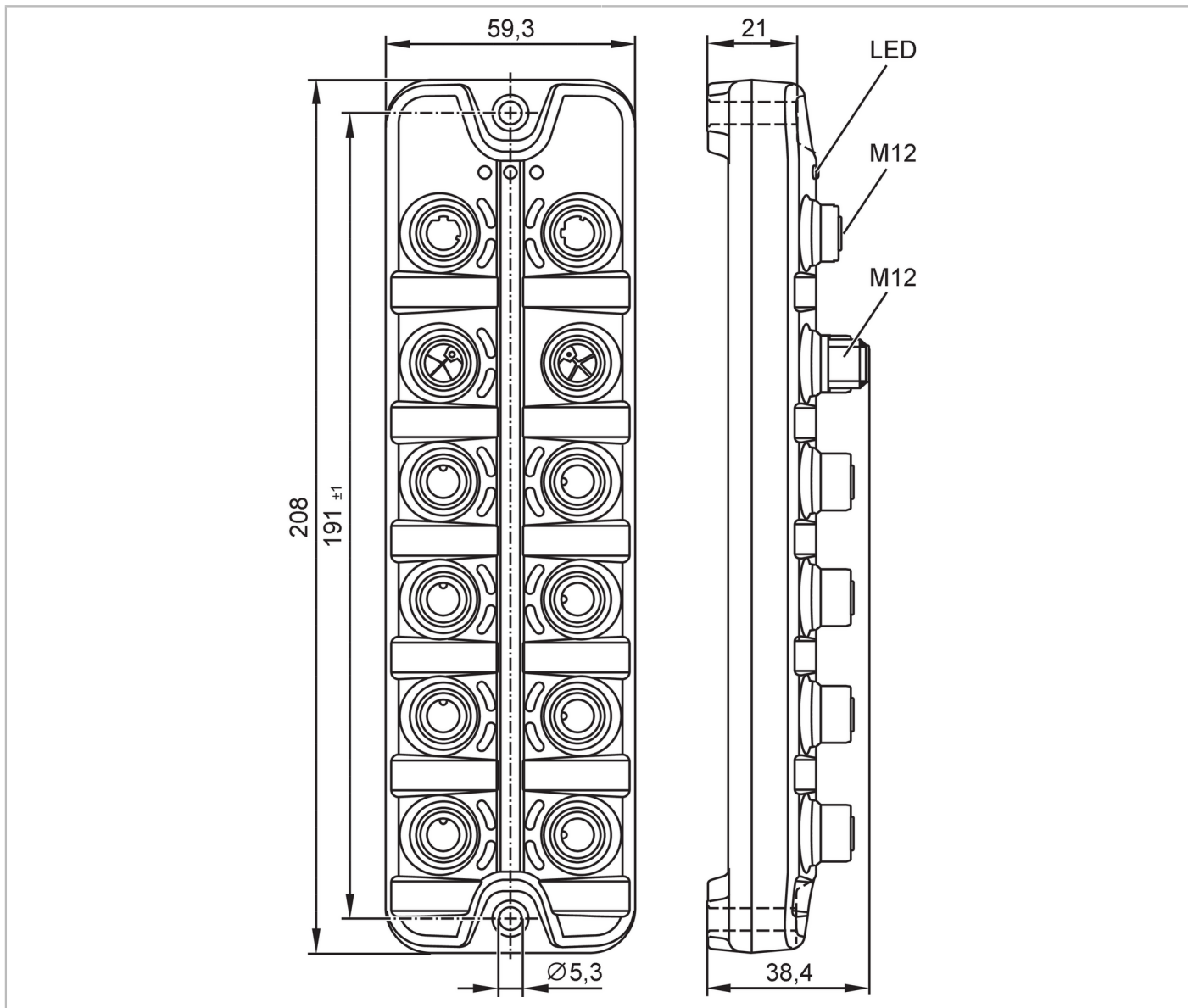


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IO-Link master with EtherNet/IP interface

IO-Link Master PFL EIP 8P IP69K



| Application | |
|-------------------------------|--|
| Application | hygienic systems; I/O modules for field applications |
| Daisy-chain function | voltage supply; fieldbus interface |
| Electrical data | |
| Operating voltage [V] | 20...28 DC; (US ; to PELV) |
| Current consumption [mA] | 300...3900; (US) |
| Protection class | III |
| Additional voltage supply [V] | 20...30 DC; (UA) |
| Actuator supply UA | |
| Max. current load total [A] | 8 |
| Current rating per port [A] | 2; (adjustable: 0...2; Factory setting: 2) |



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| | | |
|---|------|---|
| Sensor supply US | | |
| Max. current load total | [A] | 3.6 |
| Current rating per port | [A] | 2; (adjustable: 0...2; Factory setting: 0,45) |
| Inputs / outputs | | |
| Total number of inputs and outputs | | 16; (configurable) |
| Number of inputs and outputs | | Number of digital inputs: 12; Number of digital outputs: 12 |
| Inputs | | |
| Number of digital inputs | | 12; (IO-Link Port Class A: 4 x 2; IO-Link Port Class B: 4 x 1) |
| Switching level high | [V] | 11...30 |
| Switching level low | [V] | 0...5 |
| Digital inputs protected against short circuits | | yes |
| Outputs | | |
| Number of digital outputs | | 12; (IO-Link Port Class A: 4 x 1; IO-Link Port Class B: 4 x 2) |
| Short-circuit proof | | yes |
| Actuator supply UA | | |
| Max. current load per output | [mA] | 2000 |
| Sensor supply US | | |
| Max. current load per output | [mA] | 2000 |
| Interfaces | | |
| Communication interface | | Ethernet; IO-Link |
| Ethernet - EtherNet/IP | | |
| Transmission standard | | 10Base-T; 100Base-TX |
| Transmission rate | | 10 MBit/s; 100 MBit/s |
| Protocol | | EtherNet/IP |
| Factory settings | | IP address: 192.168.1.250 subnet mask: 255.255.255.0 gateway IP address: 0.0.0.0 MAC address: see type label |
| Note on interfaces | | DHCP, BOOTP, static DLR (Device Level Ring) 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 | | 4 |
| Number of ports class B | | 4 |
| Operating conditions | | |
| Ambient temperature | [°C] | -25...60 |
| Storage temperature | [°C] | -25...85 |
| Max. relative air humidity | [%] | 90 |
| Protection | | IP 65; IP 66; IP 67; IP 69K; (operation with stainless steel protective caps: IP 69K) |

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IO-Link Master PFL EIP 8P IP69K

| | | |
|------------------------------|-----------------|-------------------------|
| Protection rating (NEMA 250) | 6P | |
| Degree of soiling | 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 61000-6-4 | |
| Shock resistance | DIN EN 60068-2-27 | |
| Vibration resistance | DIN EN 60068-2-64 2009-04 | |
| | DIN EN 60068-2-6 2008-10 | |
| MTTF [years] | 43 | |

Mechanical data

| | | |
|------------------|---|--|
| Weight [g] | 435.3 | |
| Housing | rectangular | |
| Type of mounting | Backplane mounting | |
| Dimensions [mm] | 208 x 59.3 x 38.4 | |
| Material | housing: PA grey; Socket: stainless steel (1.4404 / 316L) | |
| Sealing material | EPDM | |

Accessories

| | |
|----------------|--|
| Items supplied | Protective cap: 1 x M12, stainless steel, E12542 |
|----------------|--|

Remarks

| | |
|---------------|---|
| Remarks | Further information is available in the manual. |
| Pack quantity | 1 pcs. |

Electrical connection - Ethernet

Connector: 2 x M12; coding: D; Contacts: 4; sealing: EPDM

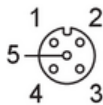


IN / OUT XF1, XF2

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

Electrical connection - IO-Link

Connector: 8 x M12; coding: A; Contacts: 5; sealing: EPDM



IO-Link Port Class B X1...X4

| | |
|---|--|
| 1 | Sensor supply (US) L + |
| 2 | Actuator supply / Digital output (UA) L+ |
| 3 | Sensor supply (US) L- |
| 4 | C/Q IO-Link |
| 5 | Actuator supply (UA) L- |

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IO-Link master with EtherNet/IP interface

IO-Link Master PFL EIP 8P IP69K

IO-Link Port Class A X5...X8

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

Electrical connection - voltage supply IN

Connector: 1 x M12; coding: L; Contacts: 5



XD1

| | |
|---|----------------------|
| 1 | + 24 V DC (US) brown |
| 2 | GND (UA) white |
| 3 | GND (US) blue |
| 4 | + 24 V DC (UA) black |
| 5 | FE grey |

Electrical connection - voltage supply OUT

Connector: 1 x M12; coding: L; Contacts: 5; sealing: EPDM



XD2

| | |
|---|----------------------|
| 1 | + 24 V DC (US) brown |
| 2 | GND (UA) white |
| 3 | GND (US) blue |
| 4 | + 24 V DC (UA) black |
| 5 | FE grey |