

AL1030

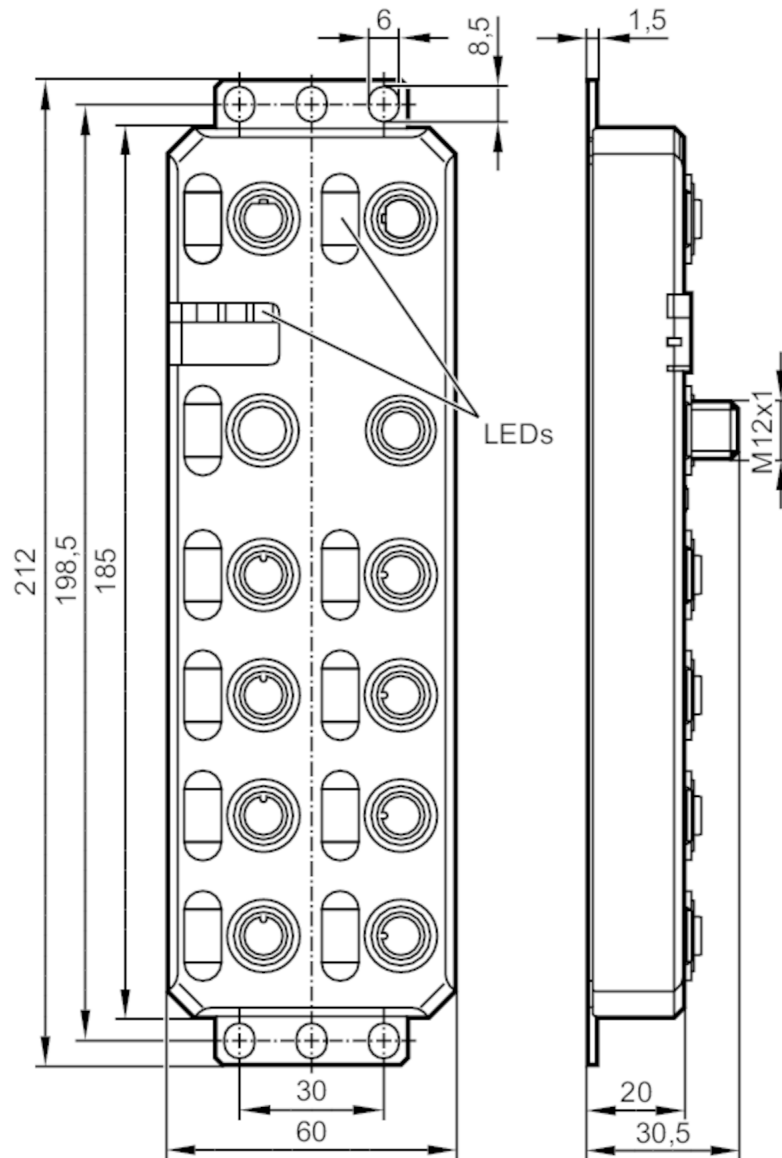


IO-Link master with EtherCAT interface

IO-Link Master PL EC 8P IP67

discontinued article

Alternative article: AL1332 When selecting an alternative article and accessories please note that technical data may differ! – When selecting an alternative article and accessories please note that technical data may differ!



| Application | |
|-------------------------------|------------------------------------|
| Application | I/O modules for field applications |
| Daisy-chain function | voltage supply; fieldbus interface |
| Electrical data | |
| Operating voltage [V] | 19...31.2 DC; (US) |
| Protection class | III |
| Additional voltage supply [V] | 19...31.2 DC; (UA) |



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| | | |
|---|------------------|--|
| Actuator supply UA | | |
| Current rating per port | [A] | 1.6 |
| Sensor supply US | | |
| Current rating per port | [A] | 0.2 |
| Inputs / outputs | | |
| Total number of inputs and outputs | | 12; (configurable) |
| Number of inputs and outputs | | Number of digital inputs: 12; Number of digital outputs: 8 |
| 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] | 15...30 |
| Switching level low | [V] | -3...5 |
| Digital inputs protected against short circuits | | yes |
| Outputs | | |
| Number of digital outputs | | 8; (IO-Link Port Class A: 4 x 1; IO-Link Port Class B: 4 x 1) |
| Max. current load per output | [mA] | 200 |
| Short-circuit proof | | yes |
| Interfaces | | |
| Communication interface | | Ethernet; IO-Link |
| Ethernet | | |
| Protocol | | EtherCAT |
| IO-Link Master | | |
| Transmission type | | COM 1 / COM 2 / COM 3 |
| 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 | [%] | 95 |
| Protection | | IP 65; IP 67 |
| Tests / approvals | | |
| EMC | EN 61000-6-2 | |
| | EN 61000-4-2 ESD | 6 kV contact discharge / 8 kV air discharge |
| | EN 61000-4-3 | |
| | EN 61000-4-4 | |
| | EN 61000-4-5 | |
| | EN 61000-4-6 | |
| Shock resistance | EN 60068-2-27 | 30 g 11 ms |
| Vibration resistance | EN 60068-2-6 | 5 g |
| Mechanical data | | |
| Weight | [g] | 572.5 |
| Materials | | housing: PA; socket: brass nickel-plated |



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Remarks

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

Electrical connection - Ethernet

IN / OUT X21, X22

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

Connector: M12



Electrical connection - Process connection

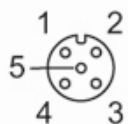
IO-Link Port Class A X01...X04

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

IO-Link Port Class B X05...X08

| | |
|---|----------------------------|
| 1 | Sensorversorgung (US) L + |
| 2 | Aktuatorversorgung (UA) L+ |
| 3 | Sensorversorgung (US) L- |
| 4 | C/Q IO-Link |
| 5 | Aktuatorversorgung (UA) L- |

Connector: M12



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Electrical connection - voltage supply IN

X31

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

Connector: M12



Electrical connection - voltage supply OUT

X32

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

Connector: M12



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