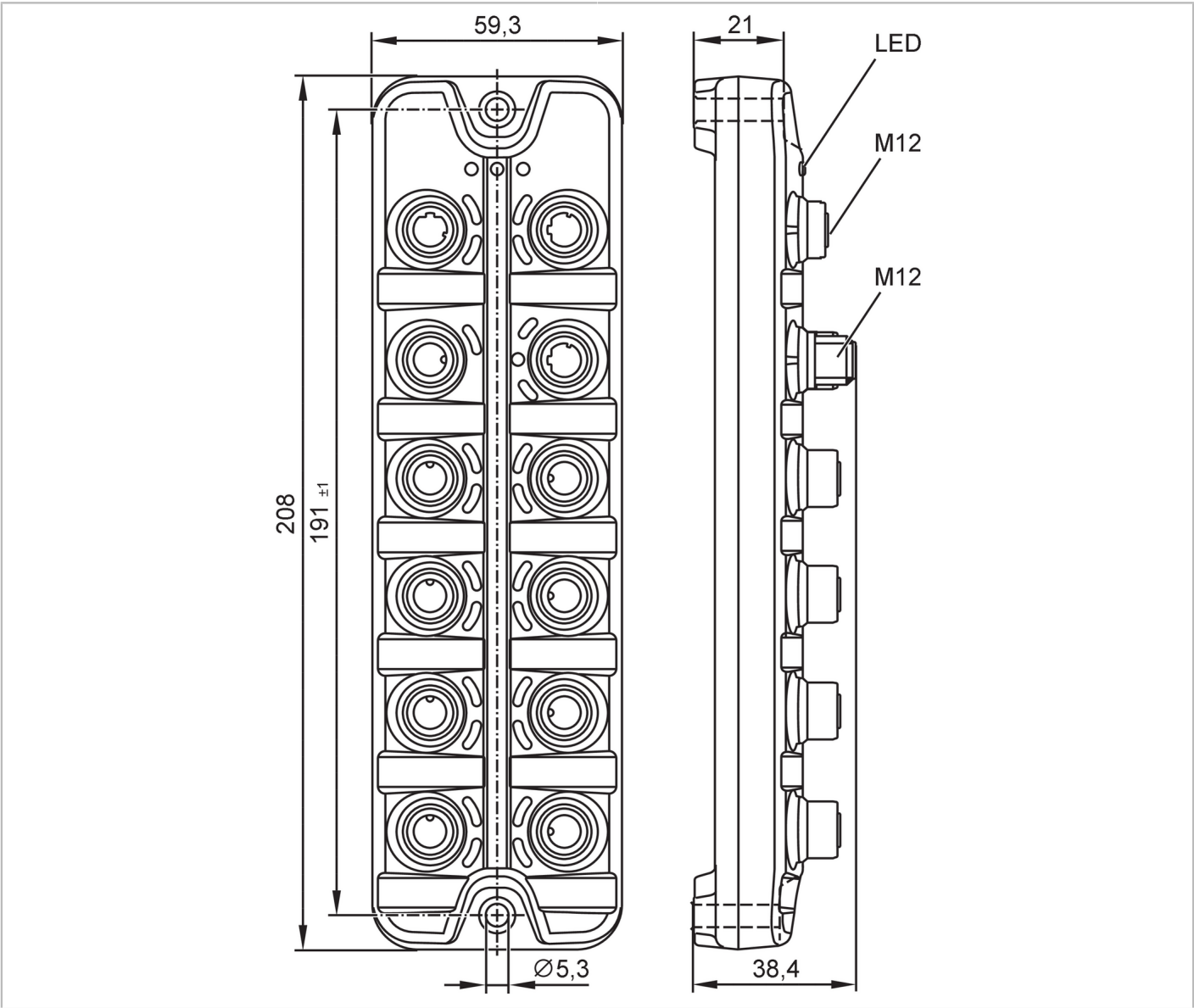


# AL1326



## IO-Link master with EtherNet/IP interface

IO-Link Master DL EIP 8P IP67



EtherNet/IP



### 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



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| 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 - 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: 255.255.255.255                            |
|                                                 |      | 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<br>ring              |
| Ethernet - Internet of Things                   |      |                                                         |
| Transmission standard                           |      | 10Base-T; 100Base-TX                                    |
| Transmission rate                               |      | 10 MBit/s; 100 MBit/s                                   |
| Protocol                                        |      | MQTT JSON                                               |
| Factory settings                                |      | IP address: 169.254.x.x                                 |
|                                                 |      | subnet mask: 255.255.0.0                                |
|                                                 |      | gateway IP address: 0.0.0.0                             |
|                                                 |      | MAC address: see type label                             |
| Note on interfaces                              |      | Secure protocol: HTTPS                                  |
| 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                                                       |



## IO-Link master with EtherNet/IP interface

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|                |                 |                                     |
|----------------|-----------------|-------------------------------------|
| 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  |    |
| MTTF                 | [years]                   | 76 |

| Mechanical data  |      |                                                 |
|------------------|------|-------------------------------------------------|
| Weight           | [g]  | 413.85                                          |
| 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



## EtherNet/IP X21, X22

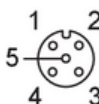
|   |          |
|---|----------|
| 1 | TX +     |
| 2 | RX +     |
| 3 | TX -     |
| 4 | RX -     |
| 5 | not used |

## IoT X23

|   |          |
|---|----------|
| 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              |

# AL1326



## IO-Link master with EtherNet/IP interface

IO-Link Master DL EIP 8P IP67

### 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       |