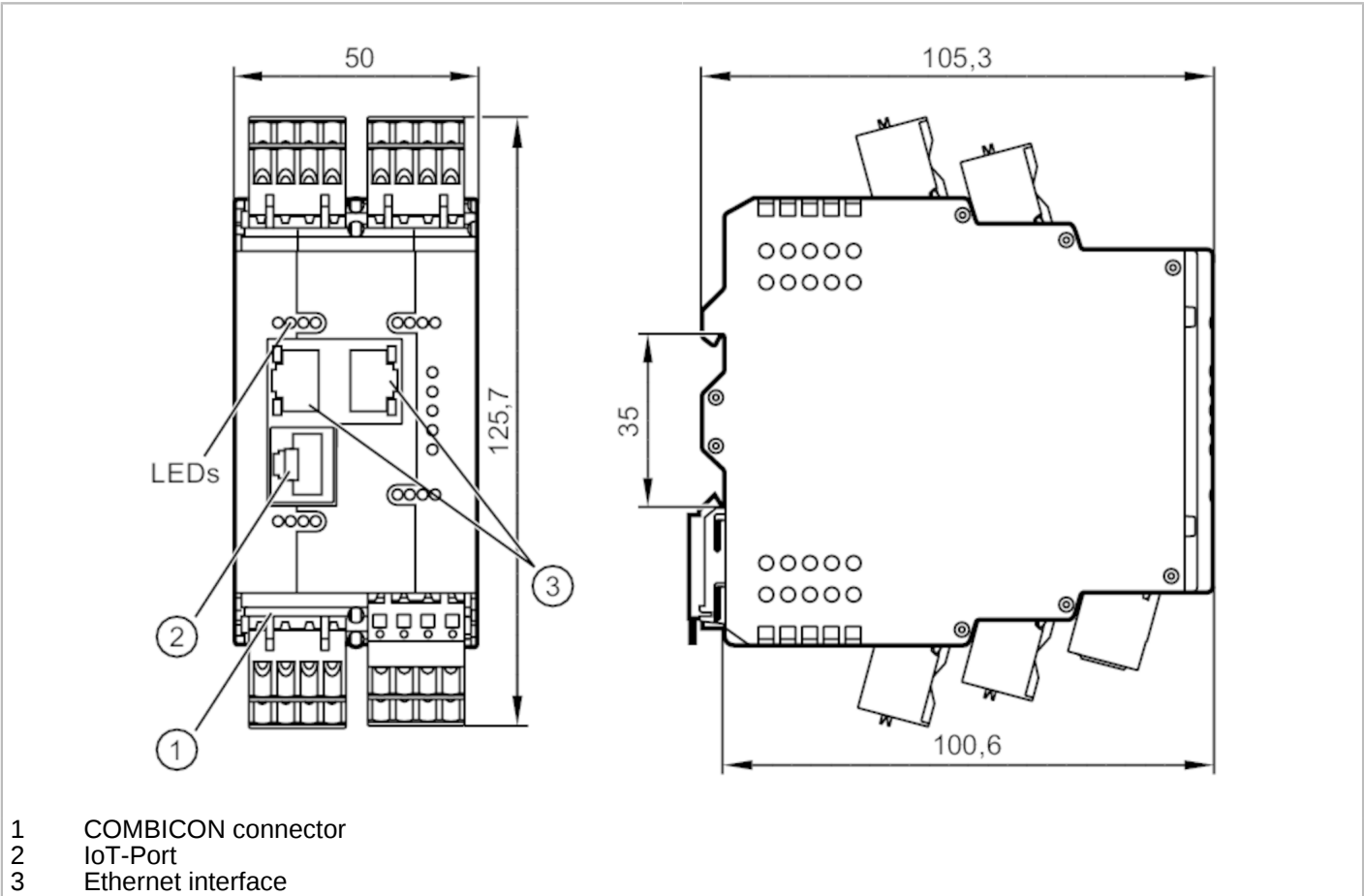




IO-Link master with EtherNet/IP interface

IO-Link Master CL EIP 8P IP20



| Application                                     |                                                           |
|-------------------------------------------------|-----------------------------------------------------------|
| Application                                     | I/O modules for use in the control cabinet                |
| 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: 8; Number of digital outputs: 8 |
| Inputs                                          |                                                           |
| Number of digital inputs                        | 8; (IO-Link Port Class A)                                 |
| Switching level high [V]                        | 11...30                                                   |
| Switching level low [V]                         | 0...5                                                     |
| Digital inputs protected against short circuits | yes                                                       |



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| Outputs                                    |              |                                                                |
|--------------------------------------------|--------------|----------------------------------------------------------------|
| Number of digital outputs                  |              | 8; (IO-Link Port Class A)                                      |
| Max. current load per output   [mA]        |              | 200                                                            |
| Short-circuit proof                        |              | yes                                                            |
| Interfaces                                 |              |                                                                |
| Communication interface                    |              | Ethernet; IO-Link                                              |
| Addition                                   |              | Supported network topologies; line; ring; DLR                  |
| Ethernet - EtherNet/IP                     |              |                                                                |
| Transmission standard                      |              | 10Base-T; 100Base-TX                                           |
| Transmission rate                          |              | 10; 100                                                        |
| 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                                    |
| Ethernet - Internet of Things              |              |                                                                |
| Transmission standard                      |              | 10Base-T; 100Base-TX                                           |
| Transmission rate                          |              | 10; 100                                                        |
| Protocol                                   |              | TCP/IP 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                                    |
| IO-Link Master                             |              |                                                                |
| Transmission type                          |              | COM 1 / COM 2 / COM 3                                          |
| IO-Link revision                           |              | 1.1                                                            |
| Number of ports class A                    |              | 8                                                              |
| Operating conditions                       |              |                                                                |
| Ambient temperature       [°C]             |              | -25...65                                                       |
| Storage temperature       [°C]             |              | -25...85                                                       |
| Max. relative air humidity   [%]           |              | 90                                                             |
| Protection                                 |              | IP 20                                                          |
| Tests / approvals                          |              |                                                                |
| EMC                                        | EN 61000-6-2 |                                                                |
|                                            | EN 61000-6-4 |                                                                |
| MTTF                               [years] |              | 90                                                             |
| Mechanical data                            |              |                                                                |
| Weight                               [g]   |              | 324.1                                                          |
| Materials                                  |              | housing: PA                                                    |
| Accessories                                |              |                                                                |
| Accessories (supplied)                     |              | COMBICON connectors: 9                                         |
| Remarks                                    |              |                                                                |
| Remarks                                    |              | For further information please see the operating instructions. |
| Pack quantity                              |              | 1 pcs.                                                         |



## IO-Link master with EtherNet/IP interface

IO-Link Master CL EIP 8P IP20

### Electrical connection

#### voltage supply X31

|   |                |
|---|----------------|
| 1 | GND (US)       |
| 2 | GND (US)       |
| 3 | + 24 V DC (US) |
| 4 | + 24 V DC (US) |

#### IO-Link Port Class A X01...X08

|   |                          |
|---|--------------------------|
| 1 | Sensorversorgung (US) L+ |
| 2 | digital input            |
| 3 | Sensorversorgung (US) L- |
| 4 | C/Q IO-Link              |

### Electrical connection - Ethernet

#### EtherNet/IP X21, X22

|   |          |
|---|----------|
| 1 | TX +     |
| 2 | TX -     |
| 3 | RX +     |
| 4 | not used |
| 5 | not used |
| 6 | RX -     |
| 7 | not used |
| 8 | not used |

#### IoT X32

|   |          |
|---|----------|
| 1 | TX +     |
| 2 | TX -     |
| 3 | RX x     |
| 4 | not used |
| 5 | not used |
| 6 | RX -     |
| 7 | not used |
| 8 | not used |

Connector: RJ45

# AL1920



## IO-Link master with EtherNet/IP interface

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