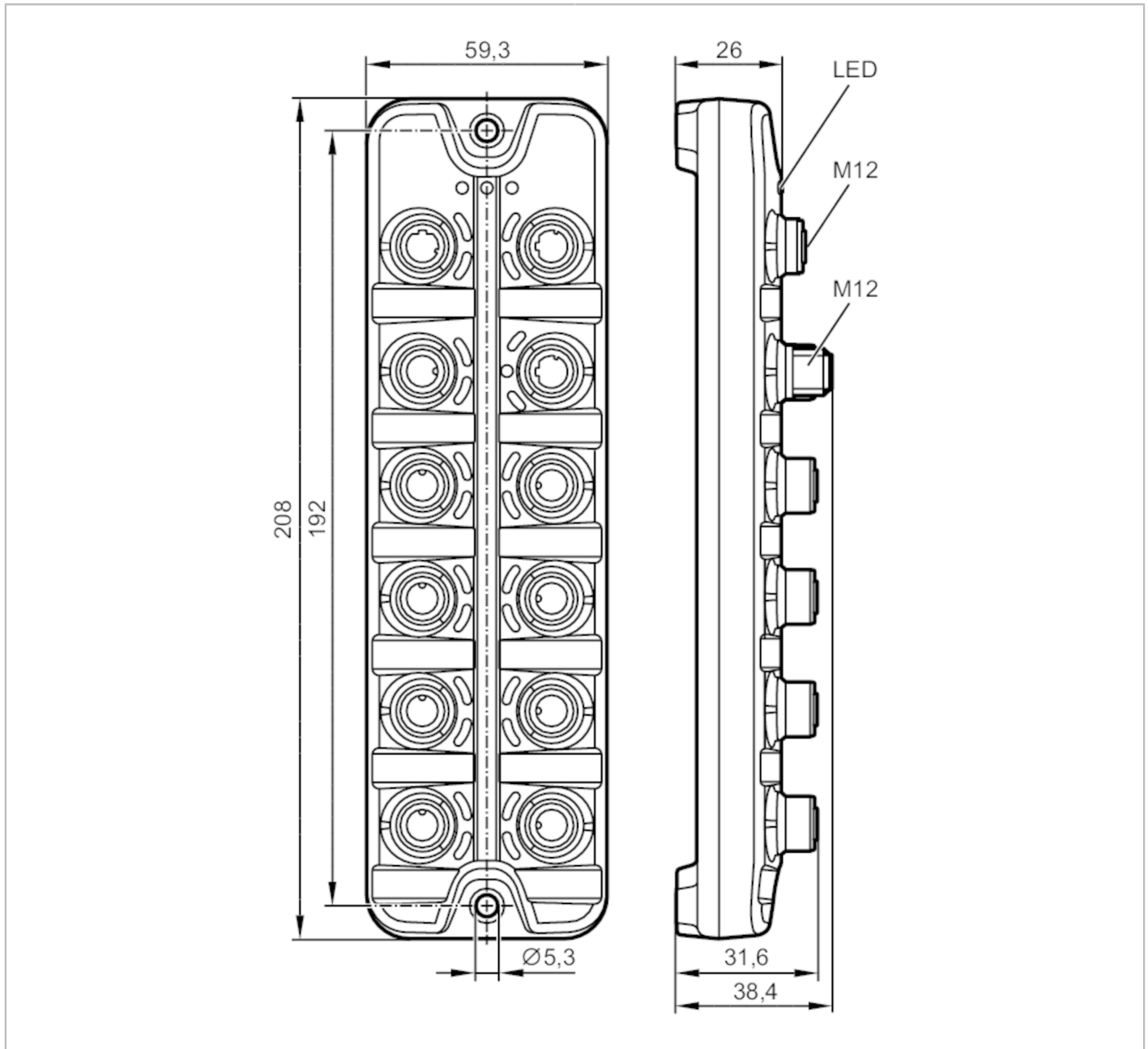


# AL1332



## IO-Link master with EtherCat interface

IO-Link Master DL EC 8P IP67



Application	
Application	I/O modules for field applications
Daisy-chain 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



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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
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]	200
Short-circuit proof	yes
Interfaces	
Communication interface	Ethernet; IO-Link
Ethernet - EtherCAT	
Transmission standard	10Base-T; 100Base-TX
Transmission rate	10; 100
Protocol	EtherCAT
Factory settings	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...60
Storage temperature [°C]	-25...85
Max. relative air humidity [%]	90
Protection	IP 65; IP 66; IP 67
Degree of soiling	2



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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]	90

Mechanical data		
Weight	[g]	404
Material		housing: PA; Socket: brass nickel-plated

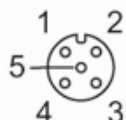
Remarks		
Remarks		Further information is available in the manual.
Pack quantity		1 pcs.

### Electrical connection - Process connection

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

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

Connector: M12



### Electrical connection - voltage supply

#### X31

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

Connector: M12



# AL1332



## IO-Link master with EtherCat interface

IO-Link Master DL EC 8P IP67

### Electrical connection - Ethernet

#### EtherCAT 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

Connector: M12

