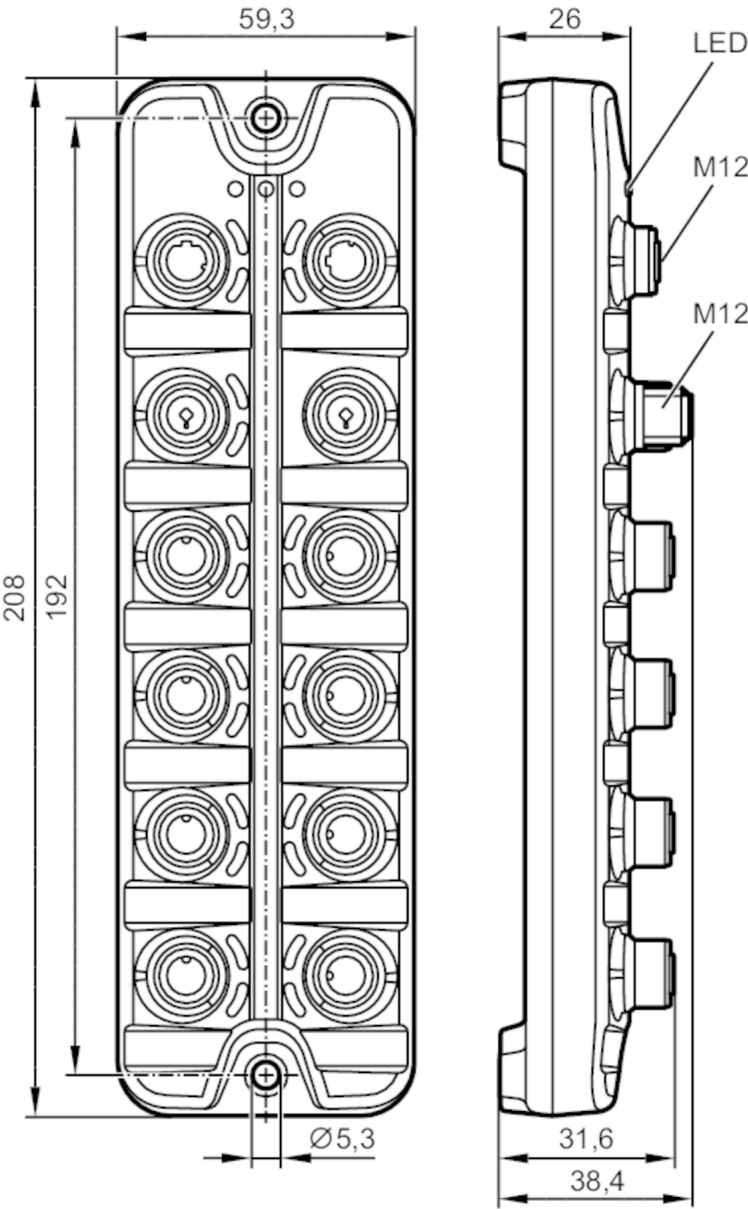


# AL1202



## IO-Link master with PROFINET interface

IO-Link Master PL PN 8P IP67



Application		
Application		I/O modules for field applications
Daisy-chain function		voltage supply; fieldbus interface
Electrical data		
Operating voltage	[V]	20...30 DC; (US; to SELV/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]	3.6



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Sensor supply US		
Max. current load total	[A]	3.6
<b>Inputs / outputs</b>		
Total number of inputs and outputs		12; (configurable)
Number of inputs and outputs		Number of digital inputs: 12; Number of digital outputs: 8
<b>Inputs</b>		
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
<b>Outputs</b>		
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]	300
Short-circuit proof		yes
<b>Interfaces</b>		
Communication interface		Ethernet; IO-Link
<b>Ethernet</b>		
Transmission standard		10Base-T; 100Base-TX
Transmission rate		10; 100
Protocol		PROFINET
Factory settings		IP address: 0.0.0.0
		subnet mask: 0.0.0.0
		gateway IP address: 0.0.0.0
		MAC address: see type label
<b>IO-Link Master</b>		
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
<b>Operating conditions</b>		
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
<b>Tests / approvals</b>		
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]	64



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Mechanical data	
Weight [g]	409.5
Materials	housing: PA; socket: brass nickel-plated
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

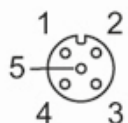
Connector: M12



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





## IO-Link master with PROFINET interface

IO-Link Master PL PN 8P IP67

### 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

