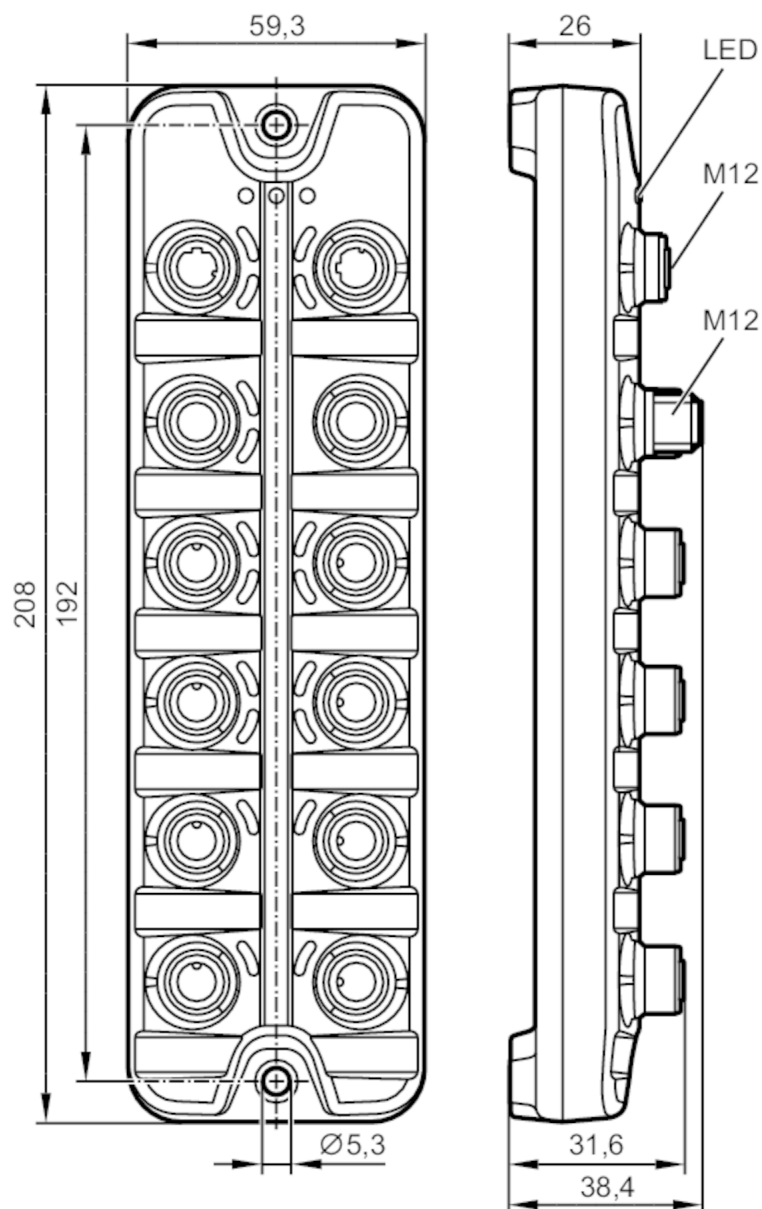


AL1202



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
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]	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: 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		
Transmission standard		10Base-T; 100Base-TX
Transmission rate		10; 100
Protocol		PROFINET IO
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
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	[%]	90
Protection		IP 65; IP 66; IP 67
Degree of soiling		2
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



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Mechanical data	
Weight [g]	385
Materials	housing: PA; socket: brass nickel-plated
Remarks	
Remarks	For further information please see the operating instructions.
Pack quantity	1 pcs.

Electrical connection - Process connection

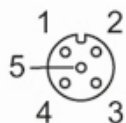
IO-Link Port Class A X01...X04

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



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

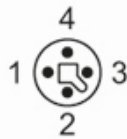
Connector: M12

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IO-Link master with PROFINET interface

IO-Link Master PL PN 8P IP67

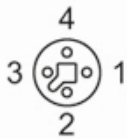


Electrical connection - voltage supply OUT

X32

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

Connector: M12



Electrical connection - Ethernet

IN / OUT X21, X22

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

Connector: M12

