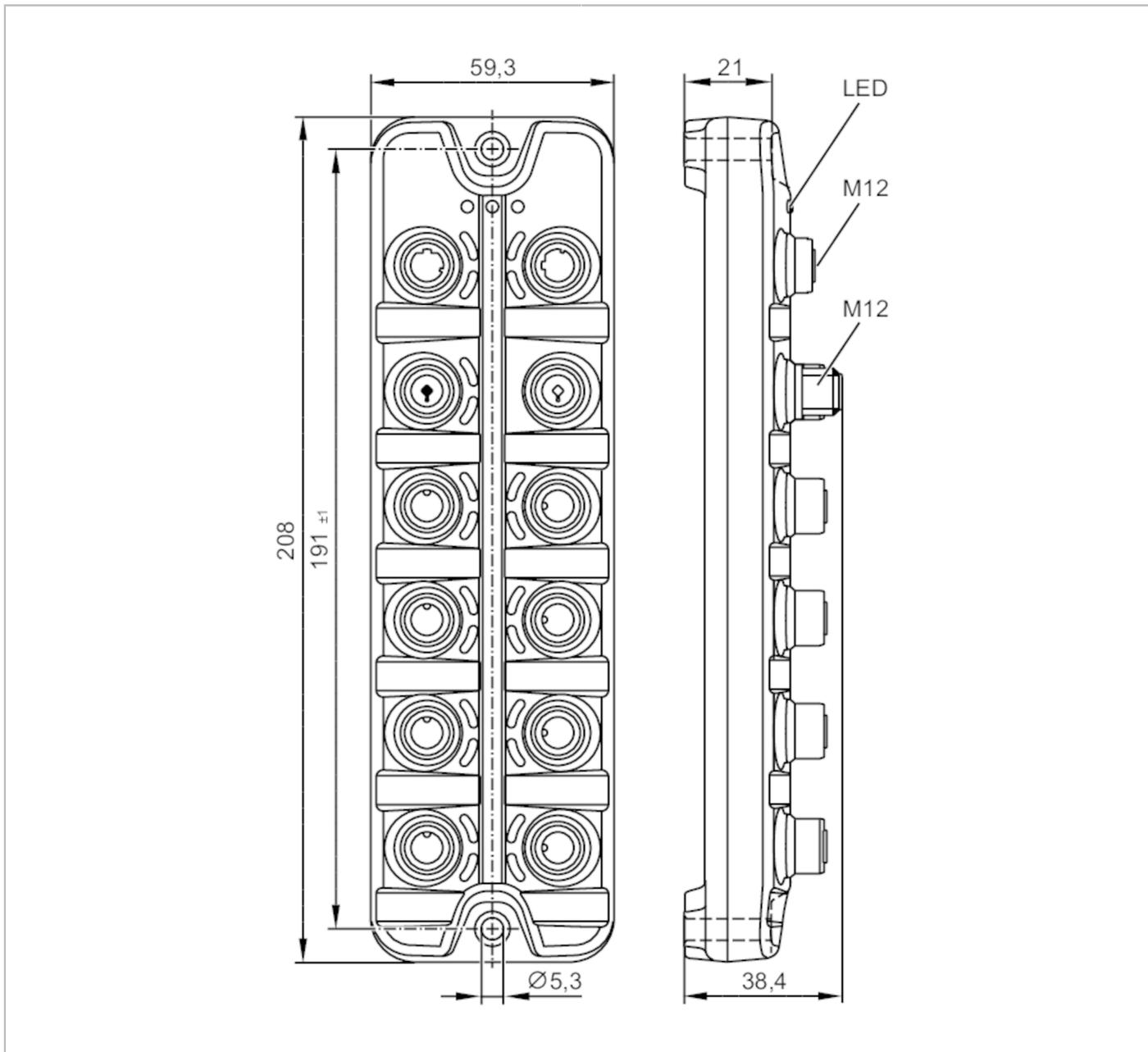


# AL1202



## IO-Link master with PROFINET interface

IO-Link Master PL PN 8P IP67



Application	
Application	I/O modules for field applications
Daisy-chain function	power 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 - PROFINET</b>		
Transmission standard		100Base-TX
Transmission rate		100 MBit/s
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
Note on interfaces		CC-C (Conformance Class C) (IRT-Switch)
		Netload Class III
		SNMP (Simple Network Management Protocol)
		MRP (Media Redundancy Protocol)
		Supported network topologies: line ring
<b>IO-Link Master</b>		
Transmission type		COM1 (4,8 kBaud); COM2 (38,4 kBaud); COM3 (230,4 kBaud)
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
Protection rating (NEMA 250)		6P
Pollution degree		2

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Chemical media	ISO 16750-5 NEMA 250 5.13.1	AA, BA, BD, HLP, CC, DB, DC, DD, CA AA
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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]		63

### Mechanical data

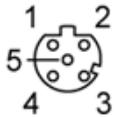
Weight [g]	409.5
Housing	rectangular
Type of mounting	backplane mounting
Dimensions [mm]	208 x 59.3 x 38.4
Materials	housing: PA orange; socket: brass nickel-plated
Sealing material	FKM

### Remarks

Remarks	For further information please see the operating instructions.
Pack quantity	1 pcs.

### Electrical connection - Ethernet

Connector: M12; coding: D; Sealing: FKM

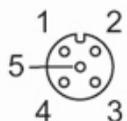


### IN / OUT X21, X22

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

### Electrical connection - IO-Link

Connector: M12; coding: A; Sealing: FKM





## IO-Link master with PROFINET interface

IO-Link Master PL PN 8P IP67

### IO-Link Port Class A X01...X04

1	Sensor supply (US) L+
2	digital input
3	Sensor supply (US) L-
4	C/Q IO-Link
5	not used

### IO-Link Port Class B X05...X08

1	Sensor supply (US) L +
2	actuator supply (UA) L+
3	Sensor supply (US) L-
4	C/Q IO-Link
5	actuator supply (UA) L-

### Electrical connection - power supply IN

Connector: M12; coding: T

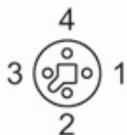


### X31

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

### Electrical connection - power supply OUT

Connector: M12; coding: T; Sealing: FKM



### X32

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