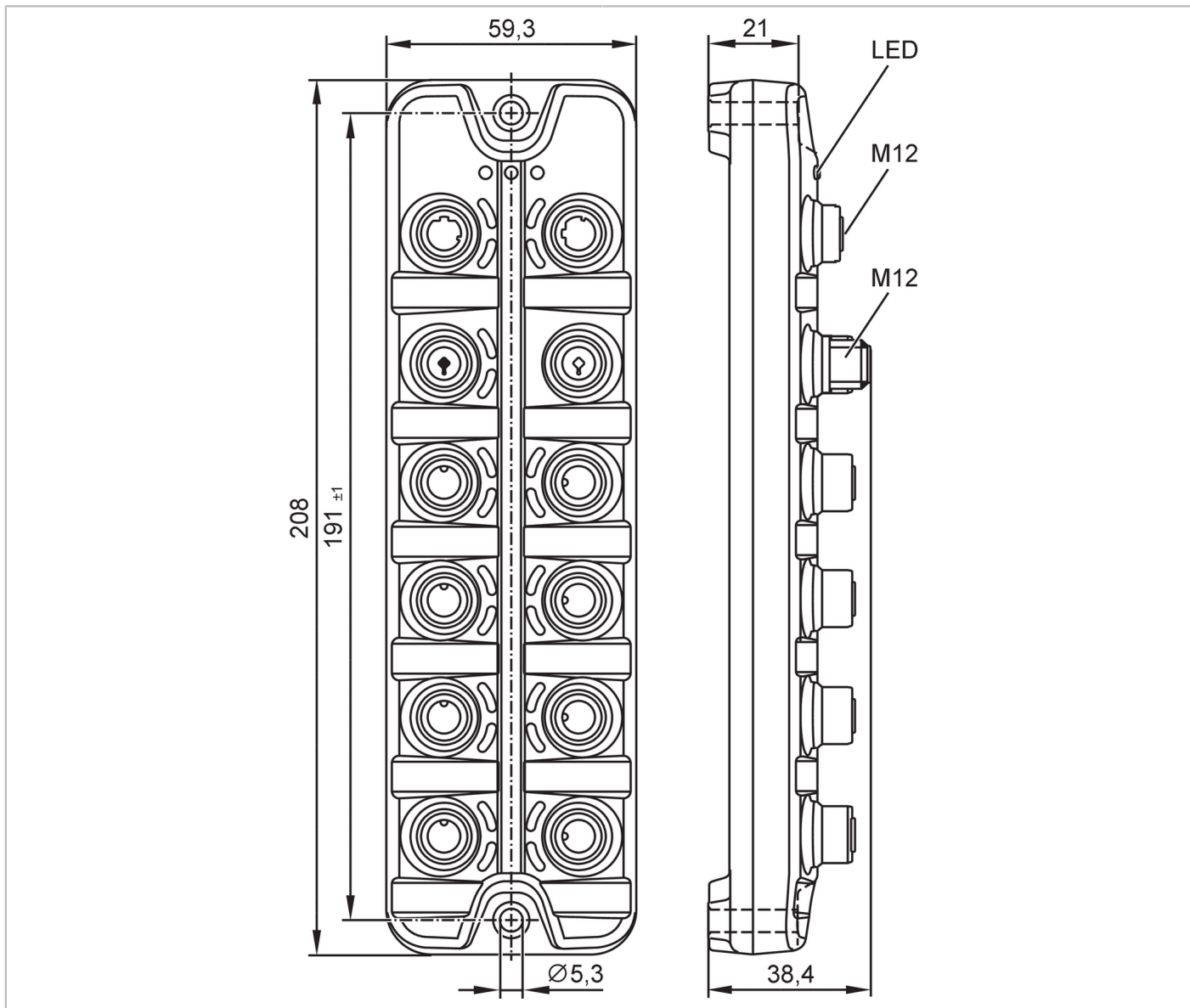


# AL1202



## 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
Sensor supply US		
Max. current load total	[A]	3.6



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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]	300	
Short-circuit proof	yes	
Interfaces		
Communication interface	Ethernet; IO-Link	
Ethernet - PROFINET		
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	
IO-Link Master		
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	
Operating conditions		
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	
Degree of soiling	2	
Chemical media	ISO 16750-5	AA, BA, BD, HLP, CC, DB, DC, DD, CA
	NEMA 250 5.13.1	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
Material	housing: PA orange; Socket: brass nickel-plated
Sealing material	FKM
Remarks	
Remarks	Further information is available in the manual.
Pack quantity	1 pcs.
Electrical connection - Ethernet	
Connector: 2 x 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: 8 x M12; coding: A; sealing: FKM	
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-

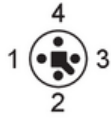


## IO-Link master with Profinet interface

IO-Link Master PL PN 8P IP67

### Electrical connection - voltage supply IN

Connector: 1 x M12; coding: T

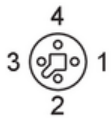


#### X31

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

### Electrical connection - voltage supply OUT

Connector: 1 x 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