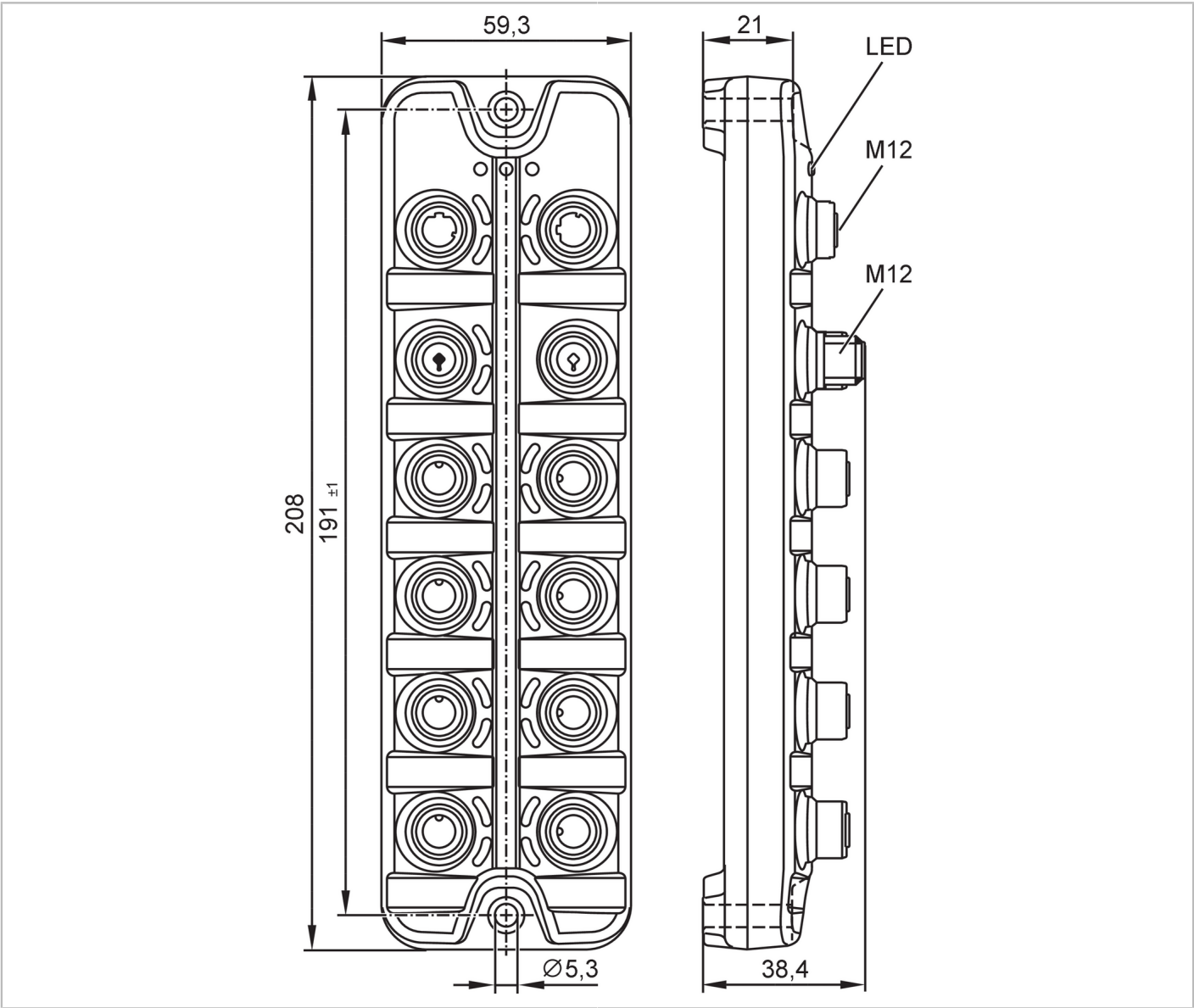


AL1222



IO-Link master with EtherNet/IP interface

IO-Link Master PL EIP 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 - EtherNet/IP		
Transmission standard	10Base-T; 100Base-TX	
Transmission rate	10 MBit/s; 100 MBit/s	
Protocol	EtherNet/IP	
Factory settings	IP address: 192.168.1.250	
	subnet mask: 255.255.255.0	
	gateway IP address: 0.0.0.0	
	MAC address: see type label	
Note on interfaces	DHCP, BOOTP, static	
	DLR (Device Level Ring)	
	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	
Pollution degree	2	
Chemical media	ISO 16750-5	AA, BA, BD, HLP, CC, DB, DC, DD, CA
	NEMA 250 5.13.1	AA
Tests / approvals		
EMC	EN 61000-6-2	
	EN 61000-6-4	



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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

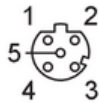
Weight [g]	418.3
Housing	rectangular
Type of mounting	Backplane mounting
Dimensions [mm]	208 x 59.3 x 38.4
Material	housing: PA orange; Socket: brass nickel-plated
Sealing material	FKM

Remarks

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

Electrical connection - Ethernet

Connector: 2 x M12; coding: D; Contacts: 4; sealing: FKM

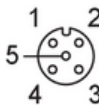


IN / OUT X21, X22

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

Electrical connection - IO-Link

Connector: 8 x M12; coding: A; Contacts: 5; 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-

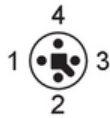


IO-Link master with EtherNet/IP interface

IO-Link Master PL EIP 8P IP67

Electrical connection - voltage supply IN

Connector: 1 x M12; coding: T; Contacts: 4

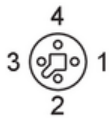


X31

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; Contacts: 4; sealing: FKM



X32

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