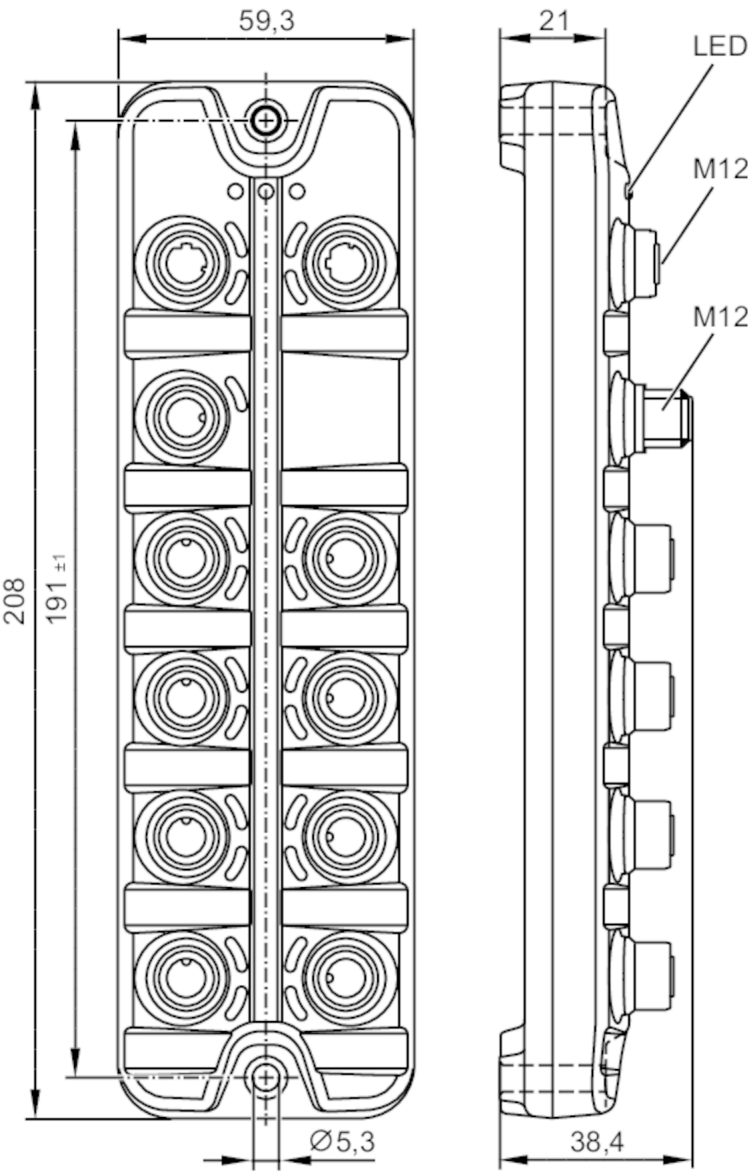


AL1102



IO-Link master with PROFINET interface

IO-Link Master SL PN 8P IP67



IO-Link



Application

Application

I/O modules for field applications

Daisy-chain function

fieldbus interface

Electrical data

Operating voltage

[V]

20...30 DC; (US ; to SELV/PELV)

Current consumption

[mA]

300...3900; (US)

Protection class

III

Sensor supply US

Max. current load total

[A]

3.6



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Inputs / outputs		
Total number of inputs and outputs	16; (configurable)	
Number of inputs and outputs	Number of digital inputs: 16; Number of digital outputs: 8	
Inputs		
Number of digital inputs	16; (IO-Link Port Class A: 8 x 2)	
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: 8 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	
	CC-C (Conformance Class C) (IRT-Switch)	
Note on interfaces	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	8	
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



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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]	78

Mechanical data		
Weight	[g]	396
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: 2 x M12; coding: D; Sealing: FKM

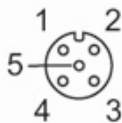


IN / OUT X21, X22

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 master with PROFINET interface

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IO-Link Port Class A X01...X08

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

Electrical connection - power supply

Connector: 1 x M12; coding: A



X31

1	+ 24 V DC (US)
2	not used
3	GND (US)
4	not used