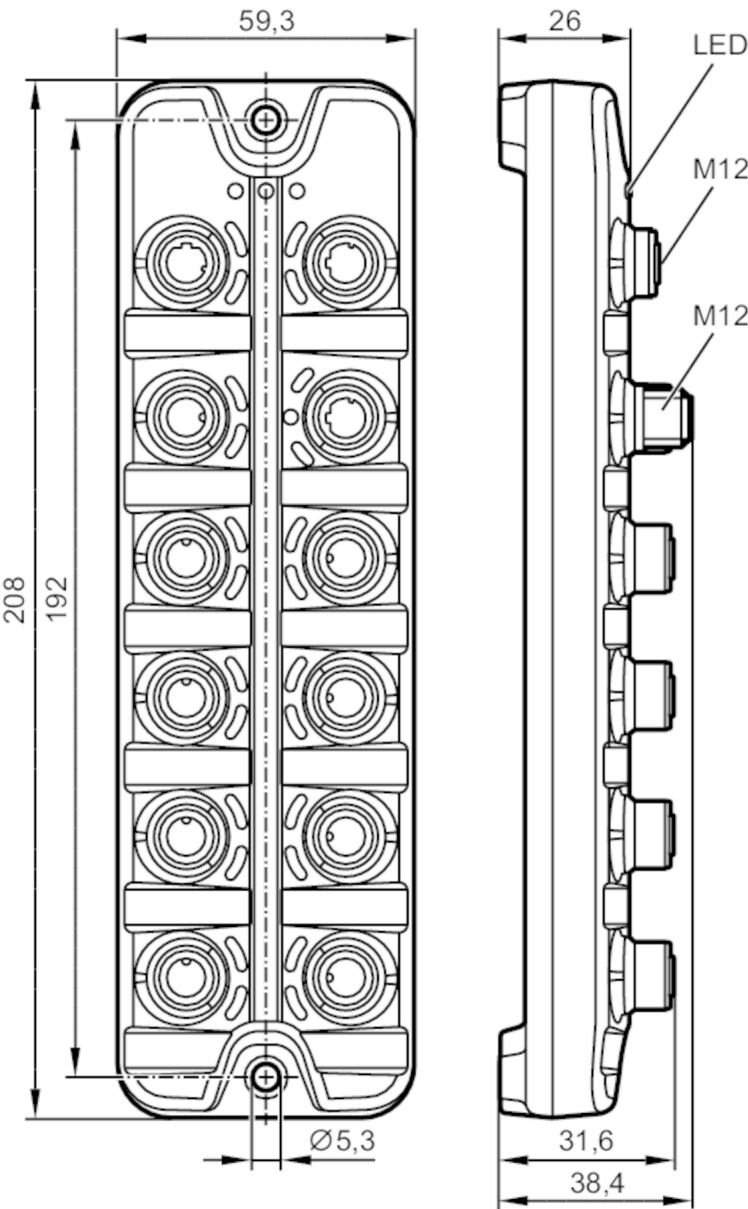


AL1302



IO-Link master with PROFINET interface

IO-Link Master DL PN 8P IP67



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)
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]	200
Short-circuit proof		yes
Interfaces		
Communication interface		Ethernet; IO-Link
Ethernet - Internet of Things		
Transmission standard		10Base-T; 100Base-TX
Transmission rate		10; 100
Protocol		TCP/IP JSON
Factory settings		IP address: 169.254.x.x
		subnet mask: 255.255.0.0
		gateway IP address: 0.0.0.0
		MAC address: see type label
Ethernet - PROFINET		
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		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
Degree of soiling		2



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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]	90

Mechanical data		
Weight	[g]	380.2
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...X08

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

Connector: M12



Electrical connection - voltage supply

X31		
1	+ 24 V DC (US)	
2	not used	
3	GND (US)	
4	not used	

Connector: M12

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IO-Link master with PROFINET interface

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Electrical connection - Ethernet

PROFINET X21, X22

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

IoT X23

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

Connector: M12

