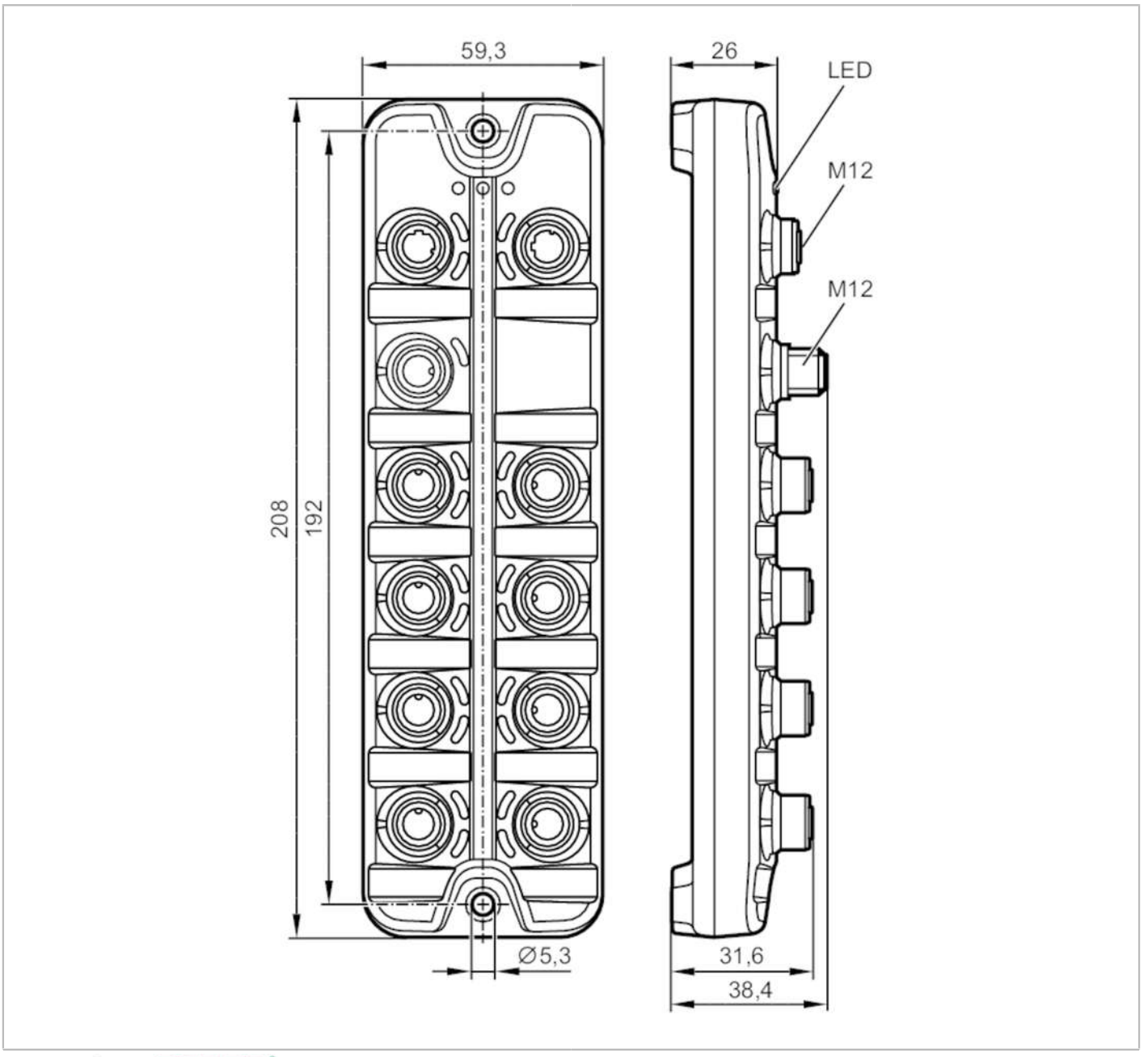
AL1103

IO-Link master with Profinet interface

IO-Link Master SL PN 8P IP69K



Application		
Application		hygienic systems; 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]	200
Short-circuit proof		yes
Interfaces		
Communication interface		Ethernet; IO-Link
Ethernet		
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; IP 69K; (operation with stainless steel protective caps: IP 69K)
Degree of soiling		2
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]	410
Material		housing: PA grey; Socket: stainless steel (1.4404 / 316L)

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Accessories	
Accessories (supplied)	Protective cap: 1 x M12, stainless steel, E12542

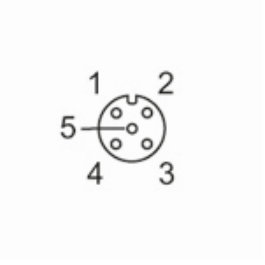
Remarks	
Remarks	Further information is available in the manual.
Pack quantity	1 pcs.

Electrical connection - Process connection

IO-Link Port Class A X01...X04

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



Electrical connection - Ethernet

IN / OUT X21, X22

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

Connector: M12

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