

AL1000



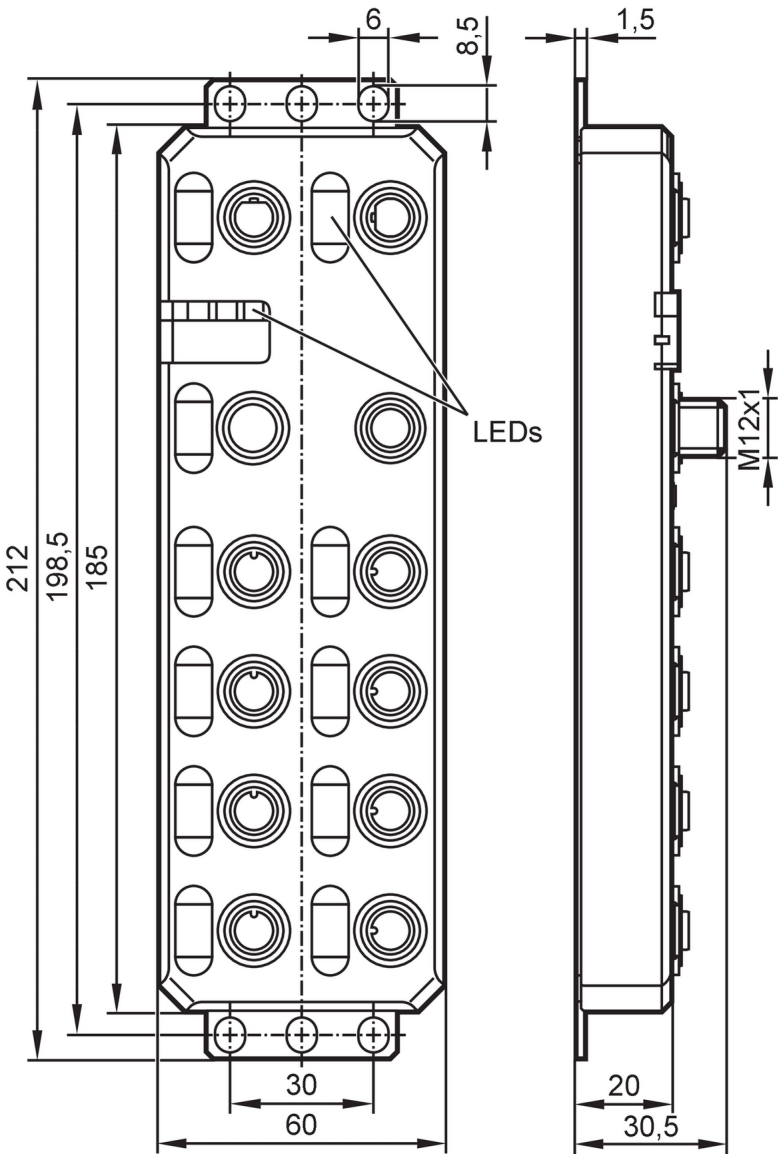
IO-Link master with Profinet interface

IO-Link Master PL PN 8P IP67

Article to be discontinued

Alternative articles: AL1402

When selecting an alternative article and accessories please note that technical data may differ!



Application

Application	I/O modules for field applications
Daisy-chain function	voltage supply; fieldbus interface

Electrical data

Operating voltage	[V]	19...31.2 DC; (US)
Protection class		III
Additional voltage supply	[V]	19...31.2 DC; (UA)

Actuator supply UA

Current rating per port	[A]	1.6
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Sensor supply US		
Current rating per port	[A]	0.2
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]	15...30
Switching level low	[V]	-3...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]	200
Short-circuit proof		yes
Actuator supply outputs		24 V DC
Interfaces		
Communication interface		Ethernet; IO-Link
Ethernet - PROFINET		
Protocol		PROFINET
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	[%]	95
Protection		IP 65; IP 67
Tests / approvals		
EMC	EN 61000-6-2	
	EN 61000-4-2 ESD	6 kV contact discharge / 8 kV air discharge
	EN 61000-4-3	
	EN 61000-4-4	
	EN 61000-4-5	
	EN 61000-4-6	
Shock resistance	EN 60068-2-27	30 g 11 ms
Vibration resistance	EN 60068-2-6	5 g
Mechanical data		
Weight	[g]	574
Housing		rectangular
Type of mounting		Backplane mounting

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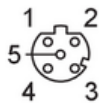
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Dimensions	[mm]	212 x 60 x 30.5
Material	housing: PA; Socket: brass nickel-plated	
Sealing material	FKM	
Remarks		
Remarks	Further information is available in the manual.	
Pack quantity	1 pcs.	

Electrical connection - Ethernet

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

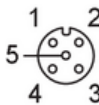


IN / OUT X21, X22

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

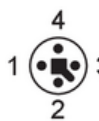
1	Sensor supply (US) L+
2	Digital input
3	Sensor supply (US) L-
4	C/Q IO-Link
5	not used

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-

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

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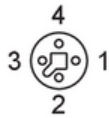


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Electrical connection - voltage supply OUT

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