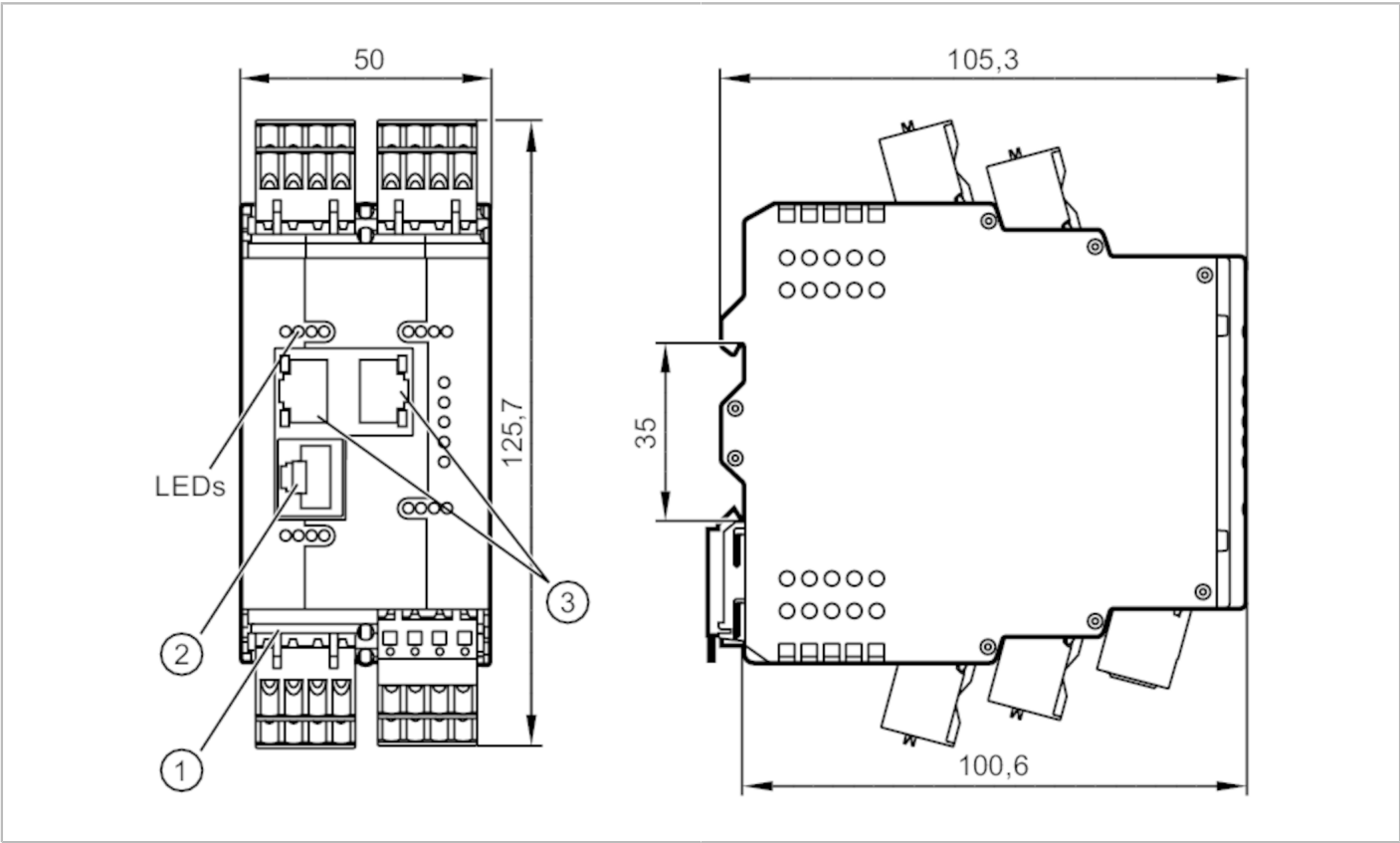


AL1901



IO-Link master with PROFINET interface

IO-Link Master CL PN 8P IP20



Application

Application

I/O modules for use in the control cabinet

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

Inputs / outputs

Total number of inputs and outputs 16; (configurable)

Number of inputs and outputs Number of digital inputs: 8; Number of digital outputs: 8

Inputs

Number of digital inputs 8; (IO-Link Port Class A)

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)

Max. current load per output [mA] 300



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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
	IO-Link Integration Edition 2
Note on interfaces	CC-C (Conformance Class C) (IRT-Switch)
	S2 redundancy
	Netload Class III
	CiR (Configuration in Run)
	SNMP (Simple Network Management Protocol)
	MRP (Media Redundancy Protocol)
	Supported network topologies: line
	ring
Ethernet - Internet of Things	
Transmission standard	10Base-T; 100Base-TX
Transmission rate	10 MBit/s; 100 MBit/s
Protocol	MQTT 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
Note on interfaces	Secure protocol: HTTPS
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...65
Storage temperature [°C]	-25...85
Max. relative air humidity [%]	90
Protection	IP 20
Tests / approvals	
EMC	EN 61000-6-2
	EN 61000-6-4
Mechanical data	
Weight [g]	317.9
Materials	housing: PA orange

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IO-Link master with PROFINET interface

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Accessories

Items supplied	cage clamps: 9
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Remarks

Remarks	For further information please see the operating instructions.
Pack quantity	1 pcs.

Electrical connection

power supply X31

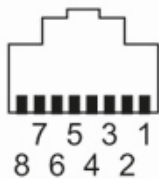
1	GND (US)
2	GND (US)
3	+ 24 V DC (US)
4	+ 24 V DC (US)

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

Electrical connection - Ethernet

Connector: RJ45



EtherNet IP X21, X22

1	TX +
2	TX -
3	RX +
4	not used
5	not used
6	RX -
7	not used
8	not used

IoT X23

1	TX +
2	TX -
3	RX x
4	not used
5	not used
6	RX -
7	not used
8	not used