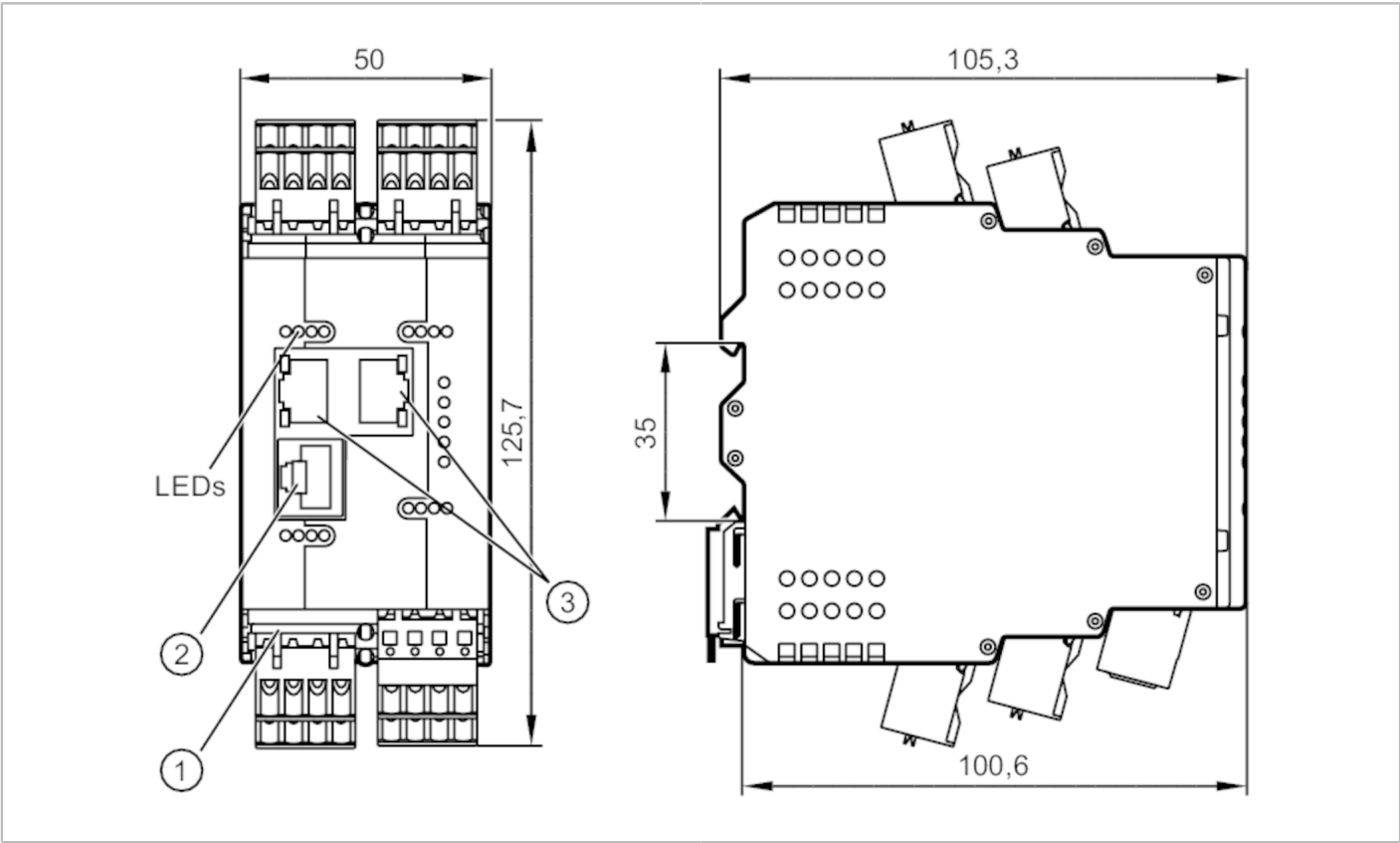


AL1970



IO-Link master with POWERLINK interface

IO-Link Master CL PLI 8P IP20



Application

Application	I/O modules for use in the control cabinet
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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: 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



IO-Link master with POWERLINK interface

IO-Link Master CL PLI 8P IP20

Short-circuit proof	yes
Interfaces	
Communication interface	Ethernet; IO-Link
Ethernet - POWERLINK	
Transmission standard	10Base-T; 100Base-TX
Transmission rate	10 MBit/s; 100 MBit/s
Protocol	POWERLINK
Factory settings	IP address: 192.168.100.1
	subnet mask: 255.255.255.0
	gateway IP address: 0.0.0.0
	MAC address: see type label
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
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
MTTF [years]	78
Mechanical data	
Weight [g]	340.9
Materials	housing: PA orange
Accessories	
Items supplied	cage clamps: 9
Remarks	
Remarks	For further information please see the operating instructions.
Pack quantity	1 pcs.



IO-Link master with POWERLINK interface

IO-Link Master CL PLI 8P IP20

Electrical connection

power supply X31

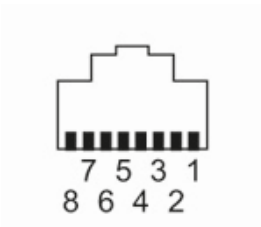
1	GND (US)
2	GND (US)
3	+ 24 V DC (US)
4	+ 24 V DC (US)

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



Powerlink 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