

AL1900

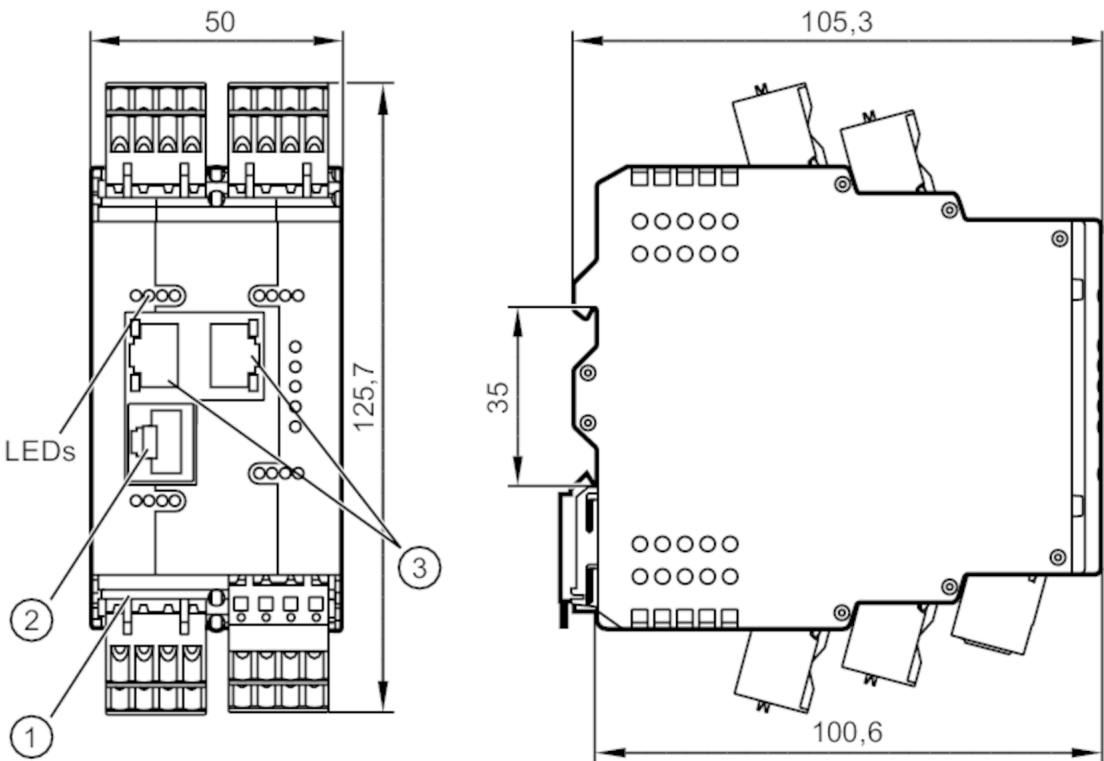


IO-Link master with PROFINET interface

IO-Link Master CL PN 8P IP20

Alternative articles: AL1901

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



- 1 COMBICON-Stecker
- 2 IoT-Port
- 3 PROFINET-IO-Datenschnittstelle



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
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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



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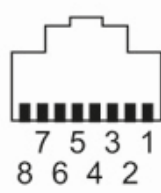
Digital inputs protected against short circuits	yes
Outputs	
Number of digital outputs	8; (IO-Link Port Class A)
Max. current load per output [mA]	300
Short-circuit proof	yes
Interfaces	
Communication interface	Ethernet; IO-Link
Ethernet - PROFINET	
Transmission standard	100Base-TX
Transmission rate	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
Note on interfaces	CC-C (Conformance Class C) (IRT-Switch)
	Netload Class III
	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
MTTF [ANN]	78

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Mechanical data		
Weight	[g]	330
Materials		housing: PA orange
Аксессуары		
Items supplied		cage clamps: 9
Remarks		
Remarks		For further information please see the operating instructions.
Pack quantity		1 pcs.
Electrical connection		
подача напруги 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	