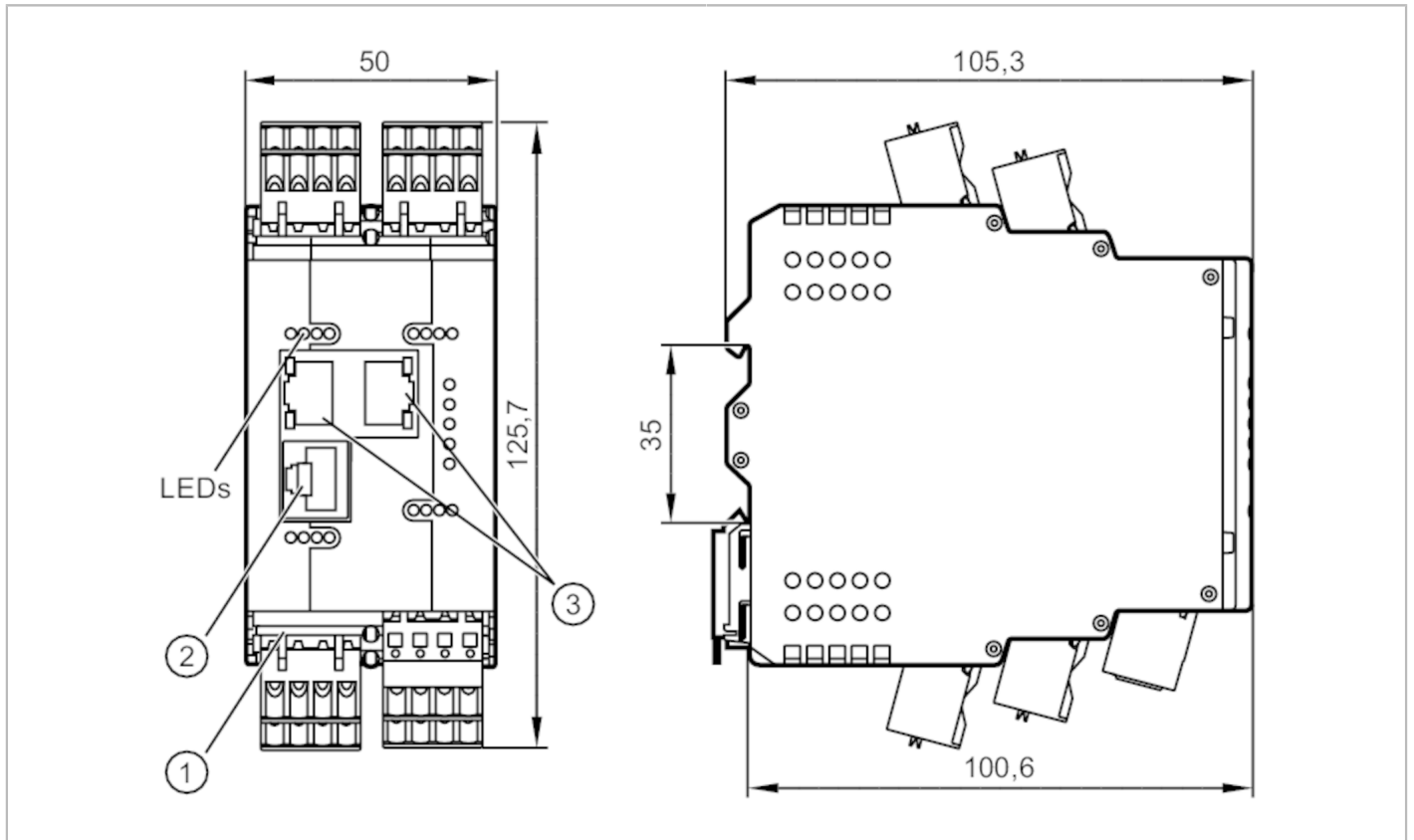


AL1940



IO-Link master with Modbus TCP interface

IO-Link Master CL MB 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

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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
Note on interfaces	Secure protocol; HTTPS
Ethernet - Internet of Things	
Transmission standard	10Base-T; 100Base-TX
Transmission rate	10; 100
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
Ethernet - Modbus TCP	
Transmission standard	10Base-T; 100Base-TX
Transmission rate	10; 100
Protocol	Modbus TCP
Factory settings	IP address: 192.168.1.250
	subnet mask: 255.255.255.0
	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...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]	329.5
Materials	housing: PA
Accessories	
Accessories (supplied)	COMBICON connectors: 9
Remarks	
Remarks	For further information please see the operating instructions.
Pack quantity	1 pcs.



IO-Link master with Modbus TCP interface

IO-Link Master CL MB 8P IP20

Electrical connection

voltage 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	Sensorversorgung (US) L+
2	digital input
3	Sensorversorgung (US) L-
4	C/Q IO-Link

Electrical connection - Ethernet

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

Connector: RJ45

