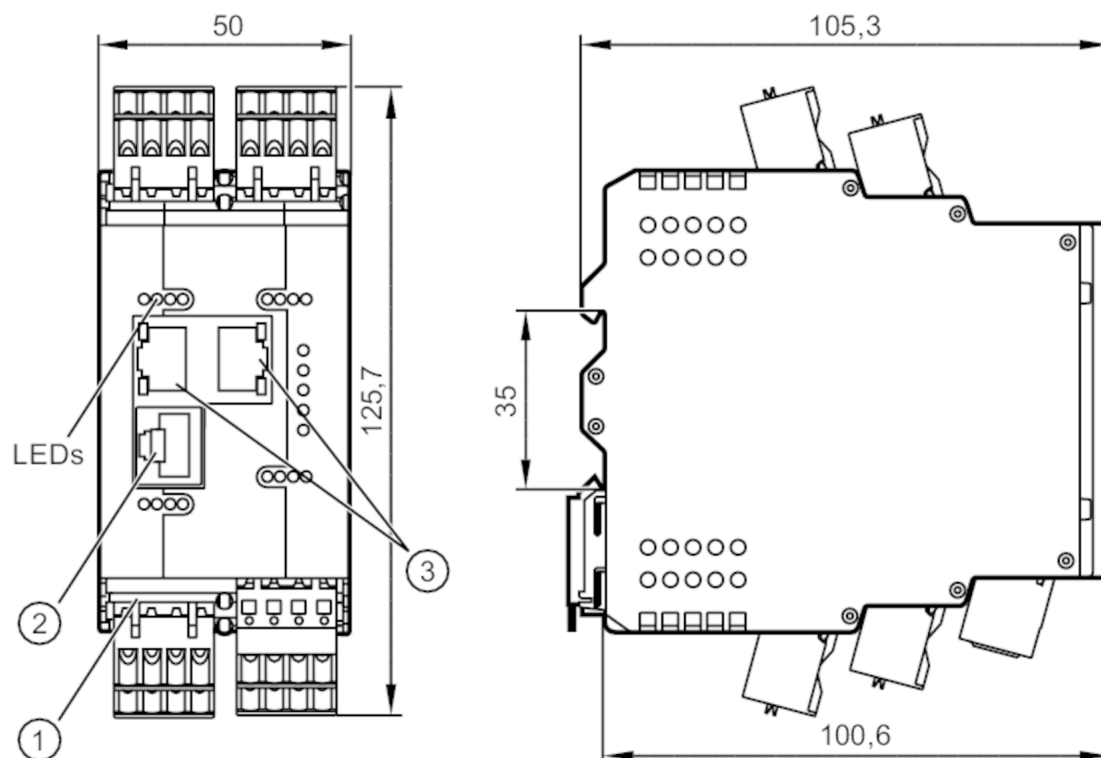


IO-Link master with EtherCAT interface

IO-Link Master CL EC 8P IP20



- 1 COMBICON connector
- 2 IoT-Port
- 3 Ethernet interface



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
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]		200
Short-circuit proof		yes
Interfaces		
Communication interface		Ethernet; IO-Link
Ethernet - EtherCAT		
Transmission standard		10Base-T; 100Base-TX
Transmission rate		10; 100
Protocol		EtherCAT
Factory settings		MAC address: see type label
Ethernet - Internet of Things		
Transmission standard		10Base-T; 100Base-TX
Transmission rate		10; 100
Protocol		TCP/IP 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		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	
MTTF [years]		90
Mechanical data		
Weight [g]		324.4
Materials		housing: PA
Accessories		
Accessories (supplied)		COMBICON connectors: 9
Remarks		
Remarks		For further information please see the operating instructions.
Pack quantity		1 pcs.



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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

EtherCat X21, X22

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

IoT X32

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

Connector: RJ45

AL1930



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