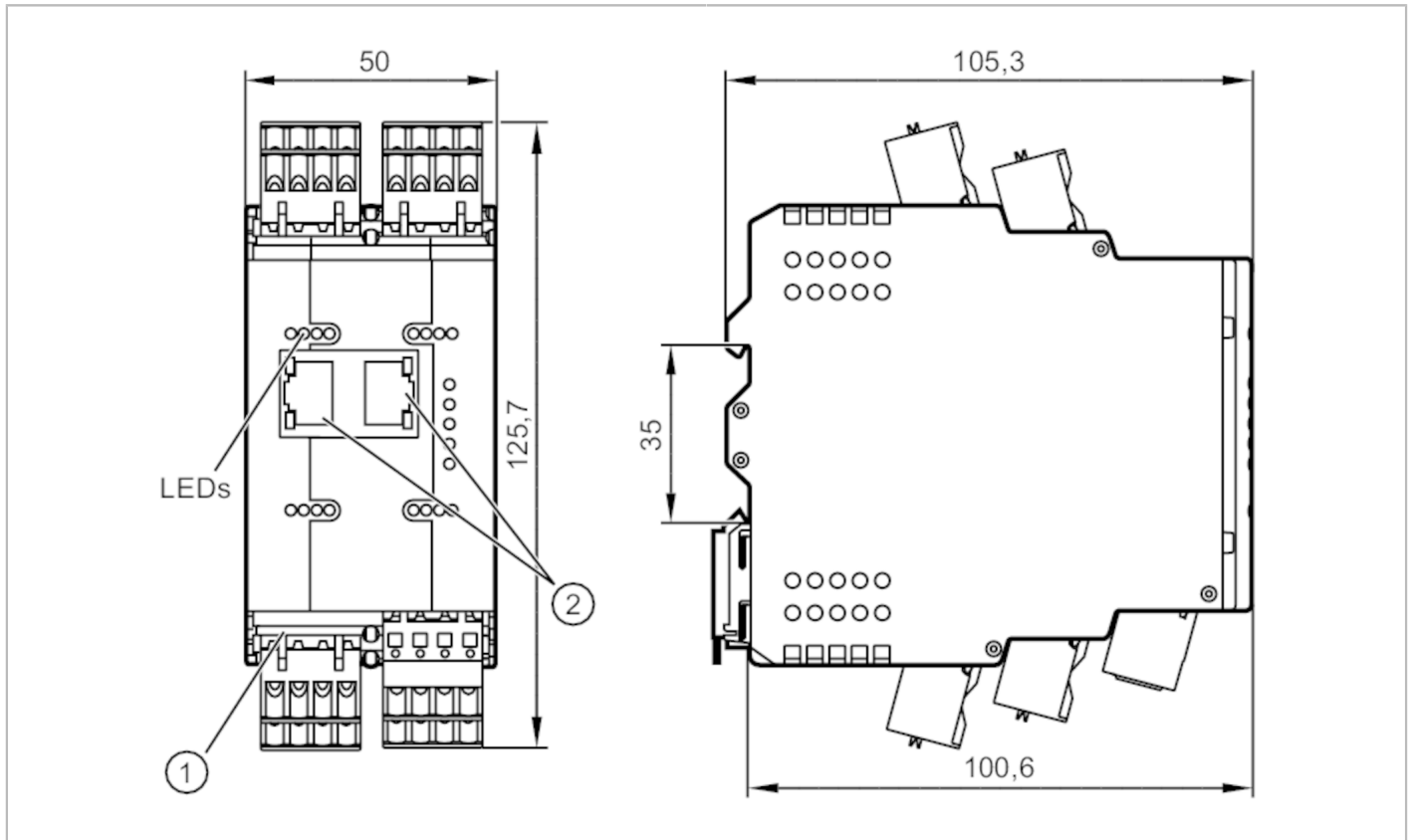


# AL1950



## IO-Link master with IoT interface

IO-Link Master CL IoT 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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IO-Link Master CL IoT 8P IP20

Short-circuit proof	yes
<b>Interfaces</b>	
Communication interface	Ethernet; IO-Link
<b>Ethernet - Internet of Things</b>	
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	Safety protocol: HTTPS
<b>IO-Link Master</b>	
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
<b>Operating conditions</b>	
Ambient temperature [°C]	-25...65
Storage temperature [°C]	-25...85
Max. relative air humidity [%]	90
Protection	IP 20
<b>Tests / approvals</b>	
EMC	EN 61000-6-2
	EN 61000-6-4
MTTF [years]	91
<b>Mechanical data</b>	
Weight [g]	327.5
Material	housing: PA orange
<b>Accessories</b>	
Items supplied	cage clamps: 9
<b>Remarks</b>	
Remarks	Further information is available in the manual.
Pack quantity	1 pcs.
<b>Electrical connection</b>	
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	Sensor supply (US) L+
2	Digital input
3	Sensor supply (US) L-
4	C/Q IO-Link

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### Electrical connection - Ethernet

Connector: RJ45

