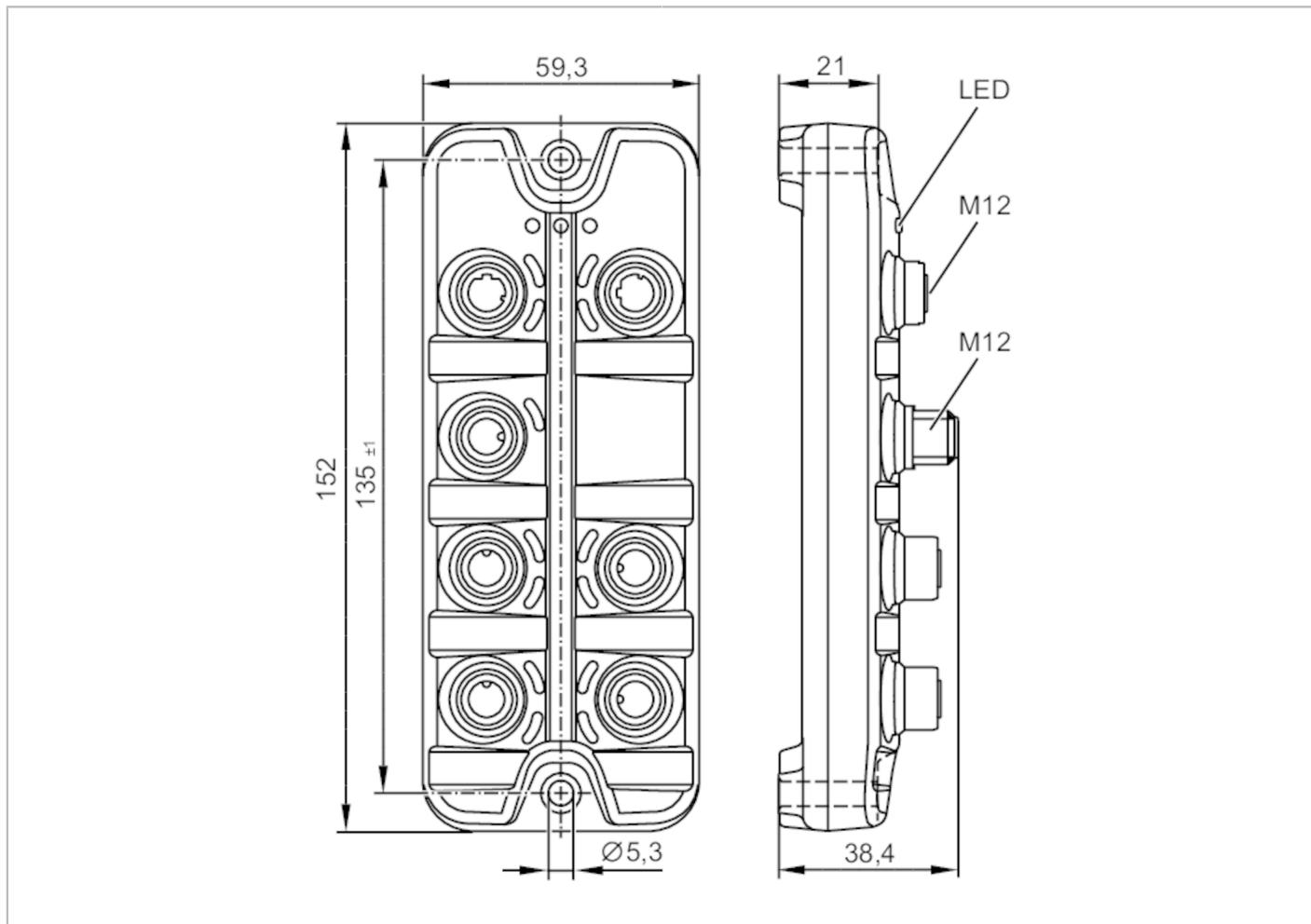


AL1350



IO-Link master with IoT interface

IO-Link Master DL IoT 4P IP67



Application

Application I/O modules for field applications

Loop-through function fieldbus interface

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 8; (configurable)

Number of inputs and outputs Number of digital inputs: 8; Number of digital outputs: 4

Inputs

Number of digital inputs 8; (IO-Link Port Class A: 4 x 2)

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	4; (IO-Link Port Class A: 4 x 1)
Max. current load per output [mA]	300
Short-circuit proof	yes
Interfaces	
Communication interface	Ethernet; IO-Link
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	4
Operating conditions	
Ambient temperature [°C]	-25...60
Storage temperature [°C]	-25...85
Max. relative air humidity [%]	90
Protection	IP 65; IP 66; IP 67
Protection rating (NEMA 250)	6P
Pollution degree	2
Chemical media	ISO 16750-5 NEMA 250 5.13.1
	AA, BA, BD, HLP, CC, DB, DC, DD, CA AA
Tests / approvals	
EMC	EN 61000-6-2 EN 61000-6-4
Shock resistance	DIN EN 60068-2-27
Vibration resistance	DIN EN 60068-2-64 2009-04 DIN EN 60068-2-6 2008-10
MTTF [years]	126
Mechanical data	
Weight [g]	295
Housing	rectangular
Type of mounting	backplane mounting
Dimensions [mm]	152 x 59.3 x 38.4
Materials	housing: PA orange; socket: brass nickel-plated
Sealing material	FKM

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Remarks

Remarks

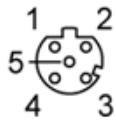
For further information please see the operating instructions.

Pack quantity

1 pcs.

Electrical connection - Ethernet

Connector: 2 x M12; coding: D; Sealing: FKM

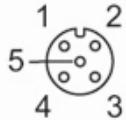


IoT X21, X22

1	TX +
2	RX +
3	TX -
4	RX -
5	not used

Electrical connection - IO-Link

Connector: 4 x M12; coding: A; Sealing: FKM



IO-Link Port Class A X01...X04

1	Sensor supply (US) L+
2	digital input
3	Sensor supply (US) L-
4	C/Q IO-Link
5	not used

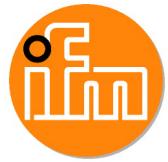
Electrical connection - power supply



X31

1	+ 24 V DC (US)
2	not used
3	GND (US)
4	not used

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IO-Link master with IoT interface

IO-Link Master DL IoT 4P IP67

Electrical connection - power supply IN

Connector: 1 x M12