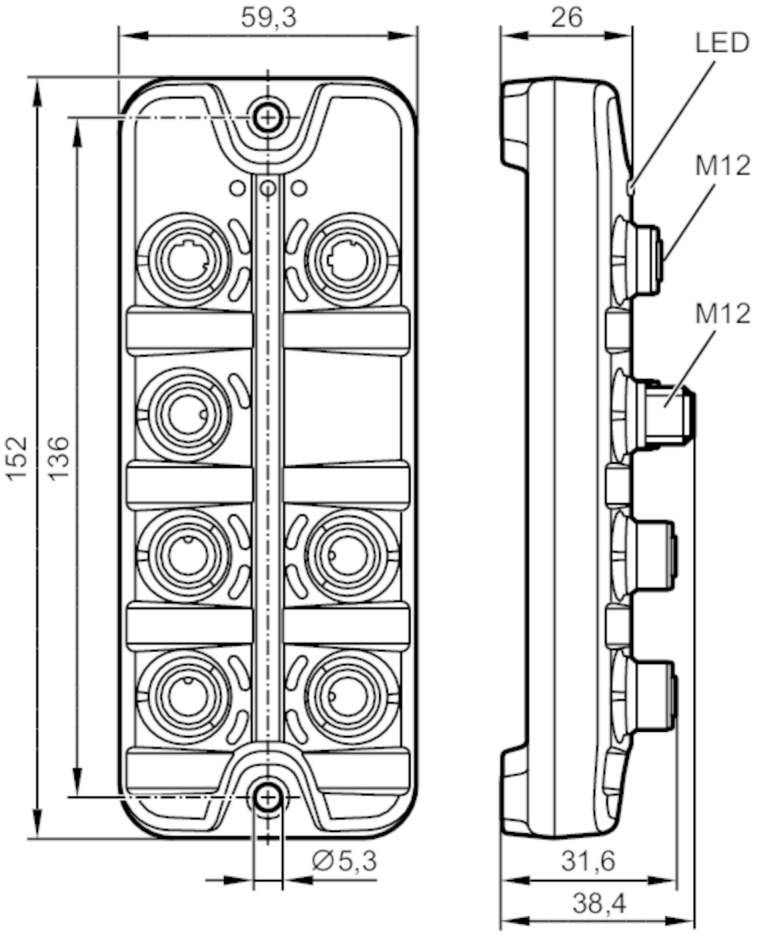
AL1351

IO-Link master with IoT interface

IO-Link Master DL IoT 4P IP69K



Application		
Application		hygienic systems; I/O modules for field applications
Daisy-chain function		fieldbus interface
Electrical data		
Operating voltage	[V]	20...28 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
Digital inputs protected against short circuits		yes

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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
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
IO-Link Master		
Transmission type		COM 1 / COM 2 / COM 3
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; IP 69K; (operation with stainless steel protective caps: IP 69K)
Degree of soiling		2
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
Mechanical data		
Weight	[g]	304.5
Materials		housing: PA grey; socket: stainless steel (1.4404 / 316L)
Remarks		
Remarks		For further information please see the operating instructions.
Pack quantity		1 pcs.

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Electrical connection - Ethernet

IoT X21, X22

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

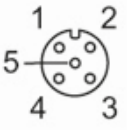
Connector: M12

Electrical connection - Process connection

IO-Link Port Class A X01...X04

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

Connector: M12



Electrical connection - voltage supply

X31

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

Connector: M12

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