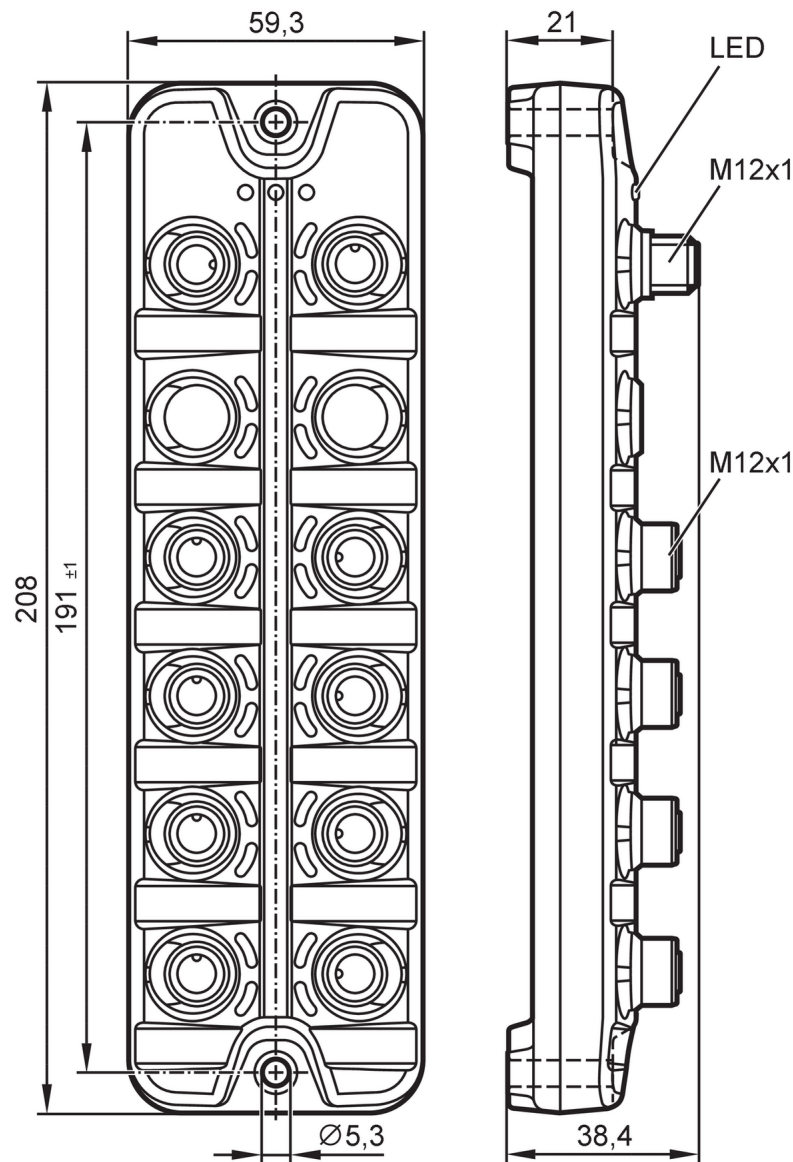


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IO-Link input/output module

IOL MOD SL 8XDX/DX E M12 IP67



Depending on the version some LEDs are inactive



Electrical data		
Operating voltage	[V]	18...30 DC
Current consumption	[mA]	100; (US)
Protection class		III
Additional voltage supply	[V]	18...30 DC; (UA UAi)
Max. current consumption from additional supply	[mA]	4000; (UA; UAi: 400 mA)
Inputs / outputs		
Total number of inputs and outputs		16
Number of inputs and outputs		Number of digital inputs: 16; Number of digital outputs: 16
Inputs		
Number of digital inputs		16; (configurable)



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Input circuit of digital inputs	PNP; (type 3 (IEC 61131-2))
Sensor supply of the inputs	AUX (UA, UAi)
Voltage supply [V]	18...30
Input current High [mA]	2...15
Input current low [mA]	0...1.5
Switching level high [V]	11...28
Switching level low [V]	0...5

Outputs

Number of digital outputs	16; (configurable)
Max. current load per output [mA]	1800
Max. current load outputs total [A]	3.6; (max. current load per segment: 1800 mA)
Short-circuit protection	yes
Actuator supply outputs	AUX (UA)

Interfaces

Communication interface	IO-Link	
Transmission type	COM3 (230,4 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
Profiles	Common - I&D	Identification and Diagnosis
SIO mode	no	
Required master port class	A	
Min. process cycle time [ms]	4	
Supported DeviceIDs	Type of operation	DeviceID
	default	1314
Note	For further information please see the IODD PDF file at "Downloads"	

Operating conditions

Ambient temperature	[°C]	-25...60	
Storage temperature	[°C]	-25...70	
Max. relative air humidity	[%]	90	
Max. height above sea level	[m]	2000	
Protection		IP 65; IP 67	
Protection rating (NEMA 250)		6P	
Pollution degree		2	
Chemical media	ISO 16750-5	AA, BA, BD, HLP, CC, DB, DC, DD, CA	
	NEMA 250 5.13.1	AA	

Tests / approvals

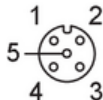
EMC	EN 61000-6-2	
	EN 61000-6-3	
	IEC 61131-9	
Shock resistance	DIN EN 60068-2-27	
Vibration resistance	DIN EN 60068-2-64	
	DIN EN 60068-2-6	
MTTF [years]	46	

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Mechanical data		
Weight	[g]	392.7
Housing		rectangular
Type of mounting		Backplane mounting
Dimensions	[mm]	208 x 59.3 x 38.4
Material		housing: PA orange; Socket: brass nickel-plated
Sealing material		FKM
Displays / operating elements		
Display	Power	1 x LED, green
	fault	1 x LED, red
	Function	1 x LED, yellow
Accessories		
Accessories (optional)		protective cap for M12 sockets
Remarks		
Pack quantity		1 pcs.
Electrical connection - AUX		
Connector: 1 x M12; coding: A; Contacts: 4		
		
X31		
1	+ 24 V DC (UAi)	
2	GND (UA/UAi)	
3	not used	
4	+ 24 V DC (UA)	
Electrical connection - IO-Link		
Connector: 1 x M12; coding: A; Contacts: 4		
		
X1		
1	+ 24 V DC (US)	
2	not used	
3	GND (US)	
4	IO-Link	
Electrical connection - inputs / outputs		
Connector: 8 x M12; coding: A; Contacts: 4; sealing: FKM		
		

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IO-Link input/output module

IOL MOD SL 8XDX/DX E M12 IP67

X1.0...X1.7	
1	+ 24 V DC (UA/UAi)
2	I/O2
3	GND (UA/UAi)
4	I/O1
5	not used