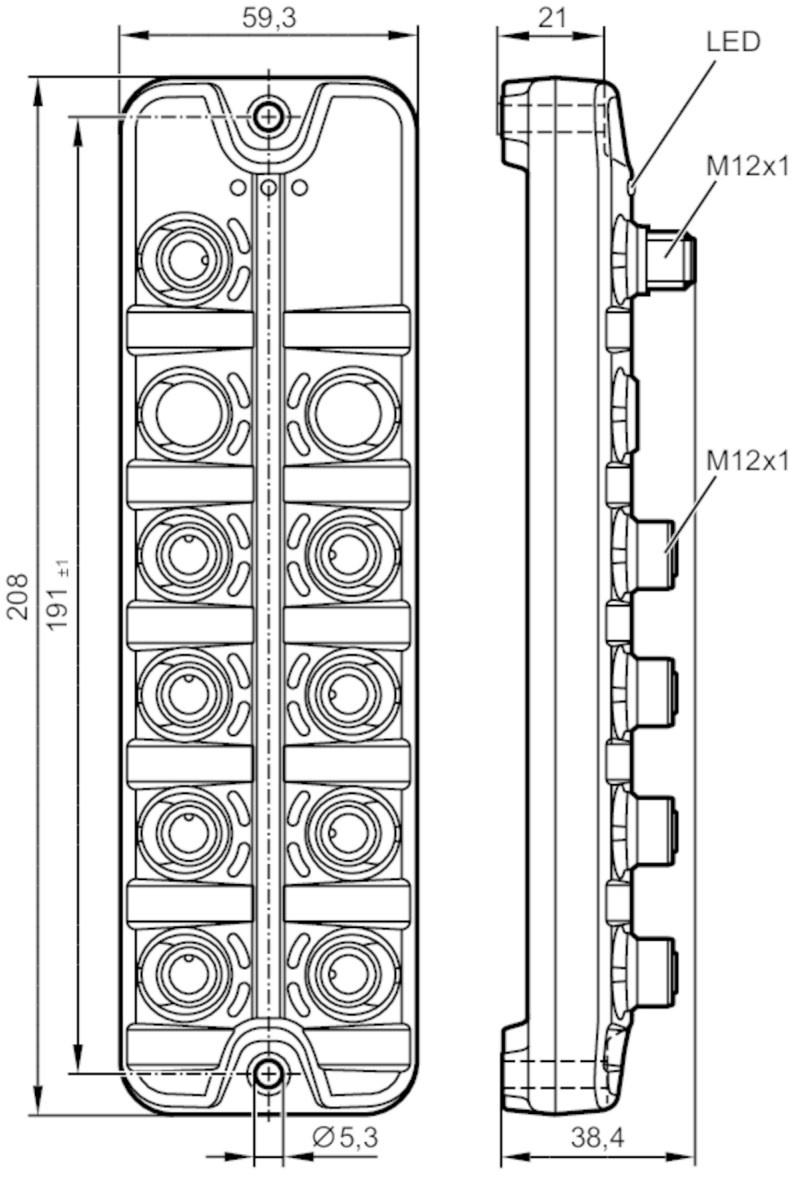
AL2323

IO-Link input/output module

IOL MOD SL 8XDX/DX B 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)
Max. current consumption from additional supply	[mA]	3600; (UA)
Inputs / outputs		
Total number of inputs and outputs		16

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Number of inputs and outputs		Number of digital inputs: 16; Number of digital outputs: 16	
Inputs			
Number of digital inputs		16; (configurable)	
Input circuit of digital inputs		PNP; (type 3 (IEC 61131-2))	
Sensor supply of the inputs		UA	
Power 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		UA	
Interfaces			
Communication interface		IO-Link	
SDCI standard		IEC 61131-9	
Transmission type		COM3 (230,4 kBaud)	
IO-Link revision		1.1	
SIO mode		no	
Required master port type		B	
Min. process cycle time	[ms]	4	
Supported DeviceIDs		**Type of operation**	**DeviceID**
		default	1314
Note		For further information please see the IODD PDF file under "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	

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Mechanical data		
Weight	[g]	467.716
Dimensions	[mm]	26 x 59.3 x 208
Materials		housing: PA orange; socket: brass nickel-plated
Sealing material		FKM

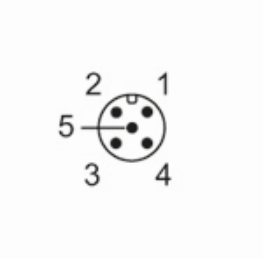
Displays / operating elements		
Display	operation	1 x LED, green
	fault	1 x LED, red
	function	1 x LED, yellow

Accessories	
Accessories (optional)	protective cap for M12 sockets

Remarks	
Pack quantity	1 pcs.

Electrical connection - IO-Link

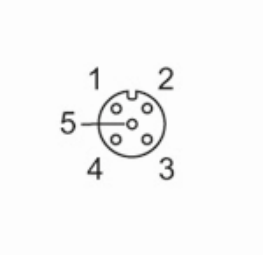
Connector: 1 x M12; coding: A



X1	
1	+ 24 V DC (US)
2	+ 24 V DC (UA)
3	GND (US)
4	IO-Link
5	GND (UA)

Electrical connection - inputs / outputs

Connector: 8 x M12; coding: A; Sealing: FKM



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