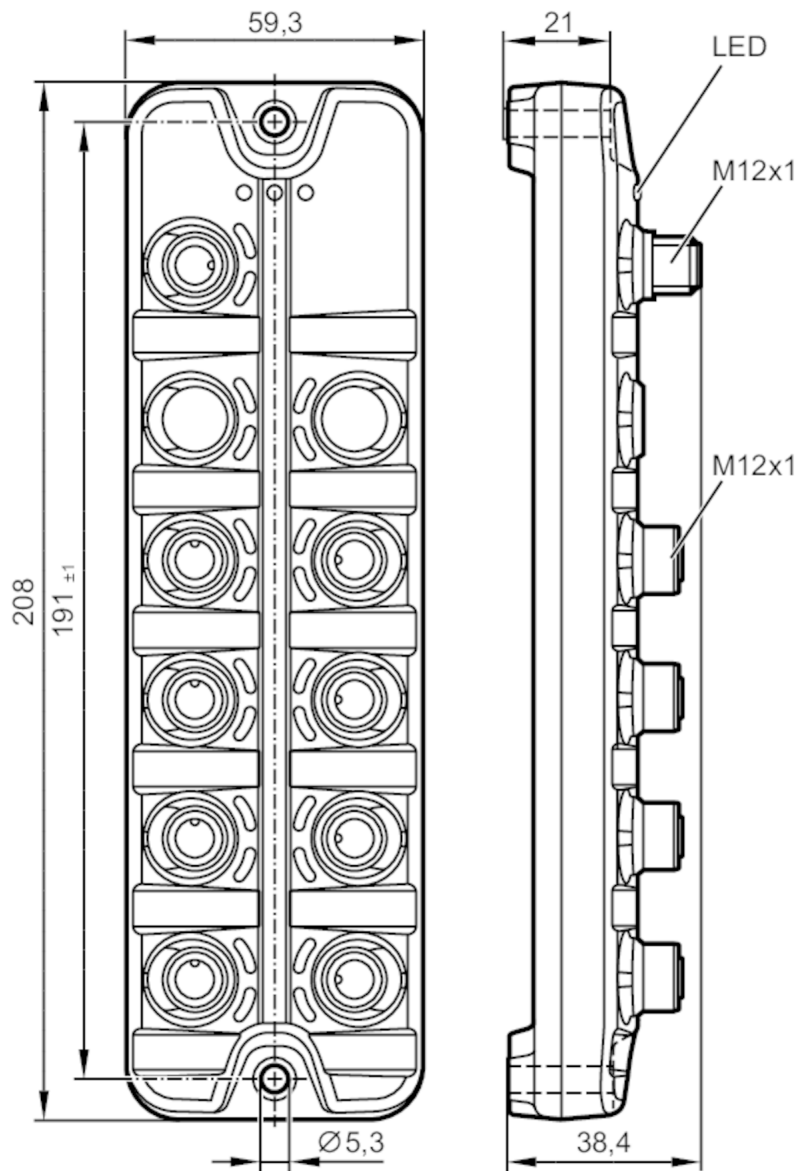


AL2303



IO-Link input/output module

IOL MOD SL 8XMP/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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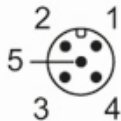
Number of inputs and outputs		Number of digital inputs: 16; Number of analog inputs: 8; Number of digital outputs: 16	
Inputs			
Number of digital inputs		16; (configurable)	
Input circuit of digital inputs		PNP; (type 3 (IEC 61131-2))	
Sensor supply of the inputs		UA	
Voltage supply	[V]	18...30	
Input current High	[mA]	2...15	
Input current low	[mA]	0...1.5	
Switching level high	[V]	11...28	
Switching level low	[V]	0...5	
Number of analog inputs		8; (configurable current/voltage input)	
Analog input (current)	[mA]	4...20	
Analog input (voltage)	[V]	0...10	
Resolution of analog input		16 Bit	
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	
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		B	
Min. process cycle time	[ms]	4	
Supported DeviceIDs		Type of operation	DeviceID
		Acyclic parametrisation	1406
		Factory setting: parametrisation via Pdout	1405
Note		Parameterization can be changed from cyclical to acyclical. 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	
Degree of soiling		2	
Chemical media		ISO 16750-5	AA, BA, BD, HLP, CC, DB, DC, DD, CA
		NEMA 250 5.13.1	AA

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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]	40
Mechanical data		
Weight	[g]	467.716
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
Tightening torque	[Nm]	< 0.8
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 - 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)	

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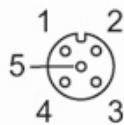


IO-Link input/output module

IOL MOD SL 8XMP/DX B M12 IP67

Electrical connection - inputs / outputs

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



X1.0...X1.7

1	Sensor supply + 24 V DC (UA)
2	multifunctional input I2 Digital output O2
3	Sensor supply GND (UA)
4	digital input/output I/O1
5	not used