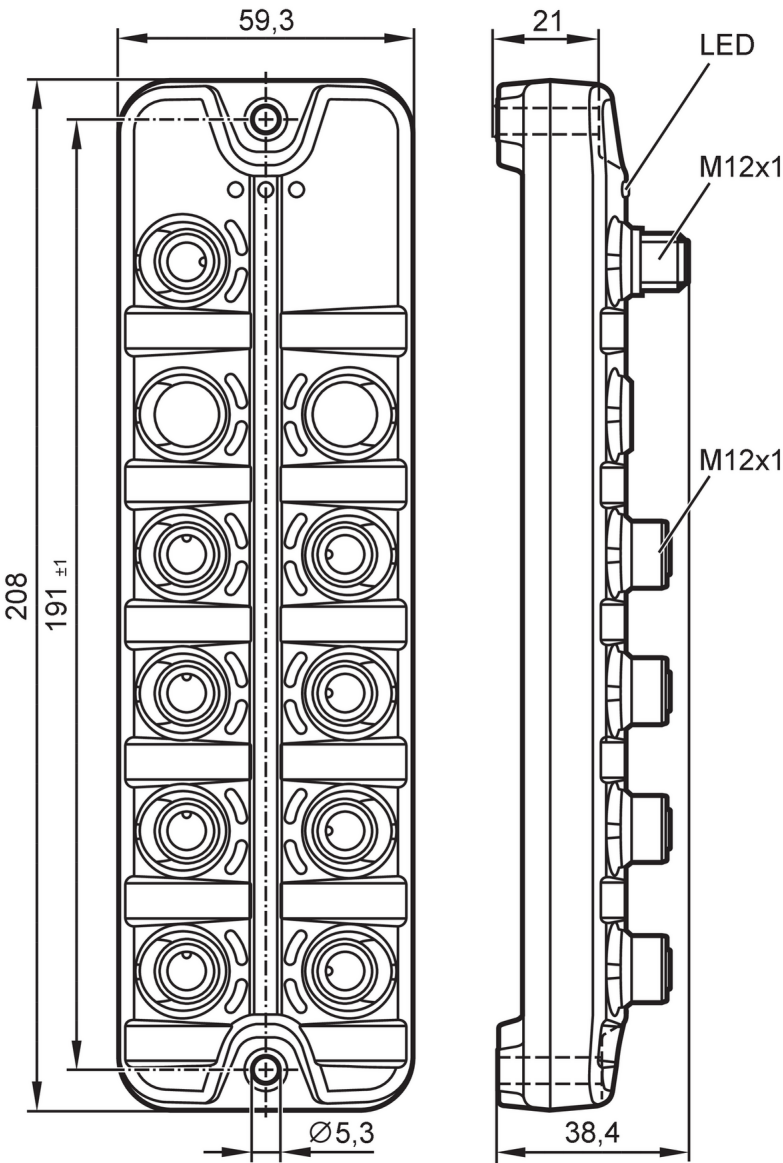


AL2303



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
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)



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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
SIO mode	Identification and Diagnosis
Required master port class	no
Min. process cycle time [ms]	B
Supported DeviceIDs	4
Note	Type of operation
	DeviceID
	Acyclic parametrisation
	1406
	Factory setting: parametrisation via Pdout
	1405
	Parameterization can be changed from cyclical to acyclical.
	For further information please see the IODD PDF file at "Downloads"

Operating conditions

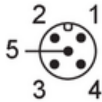
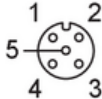
Ambient temperature [°C]	-25...60
Storage temperature [°C]	-25...70
Max. relative air humidity [%]	90
Max. height above sea level [m]	2000
Protection	IP 65; IP 67
Protection rating (NEMA 250)	6P
Pollution degree	2
Chemical media	ISO 16750-5
	AA, BA, BD, HLP, CC, DB, DC, DD, CA
	NEMA 250 5.13.1
	AA

AL2303



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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; Contacts: 5		
		
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; Contacts: 4; 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	