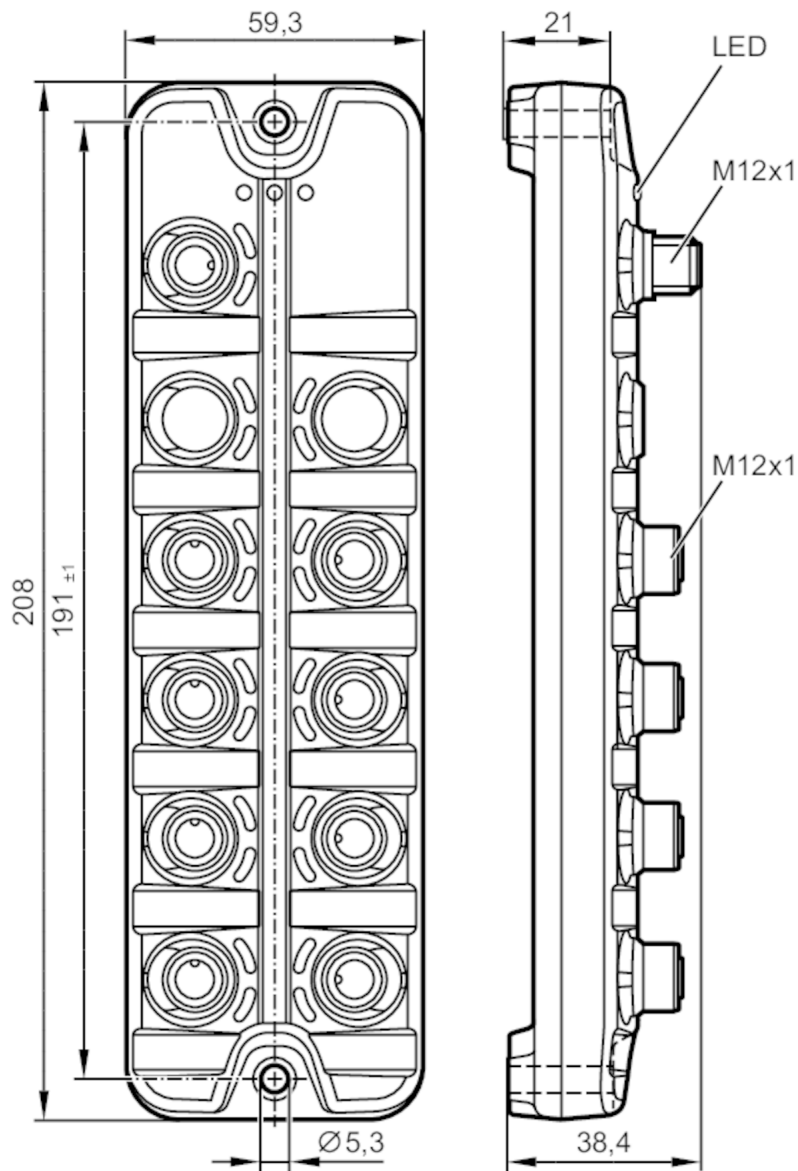


AL2301



IO-Link input/output module

IOL MOD SL 8XMP/DX A M12 IP67



Depending on the version some LEDs are inactive



Electrical data		
Operating voltage	[V]	18...30 DC
Current consumption	[mA]	1100; (US)
Protection class		III
Inputs / outputs		
Total number of inputs and outputs		16; (configurable)
Number of inputs and outputs		Number of digital inputs: 16; Number of analogue 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	US
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
Number of analogue inputs	8; (configurable current/voltage input)
Analogue input (current) [mA]	4...20
Analogue input (voltage) [V]	0...10
Resolution of analogue input	16 Bit

Outputs

Number of digital outputs	16; (configurable)
Max. current load per output [mA]	1000
Max. current load outputs total [A]	1
Short-circuit protection	yes
Actuator supply outputs	US

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 type	no
Min. process cycle time [ms]	A
Supported DeviceIDs	4
Note	Type of operation
	DeviceID
	Acyclic parametrisation
	1408
	Factory setting: parametrisation via Pdout
	1407
	The parameter setting can be changed from cyclical to acyclical.
	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

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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	

Mechanical data		
Weight	[g]	467.68
Housing		rectangular
Type of mounting		backplane mounting
Dimensions	[mm]	208 x 59.3 x 38.4
Materials		housing: PA orange; socket: brass nickel-plated
Sealing material		FKM
Tightening torque	[Nm]	< 0.8

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	
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Connector: 1 x M12; coding: A



X1		
1		+ 24 V DC (US)
2		not used
3		GND (US)
4		IO-Link

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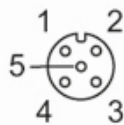


IO-Link input/output module

IOL MOD SL 8XMP/DX A M12 IP67

Electrical connection - inputs / outputs

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



X1.0...X1.7

1	Sensor supply + 24 V DC
2	multifunctional input I2 digital output O2
3	GND
4	digital input/output I1/O1
5	not used