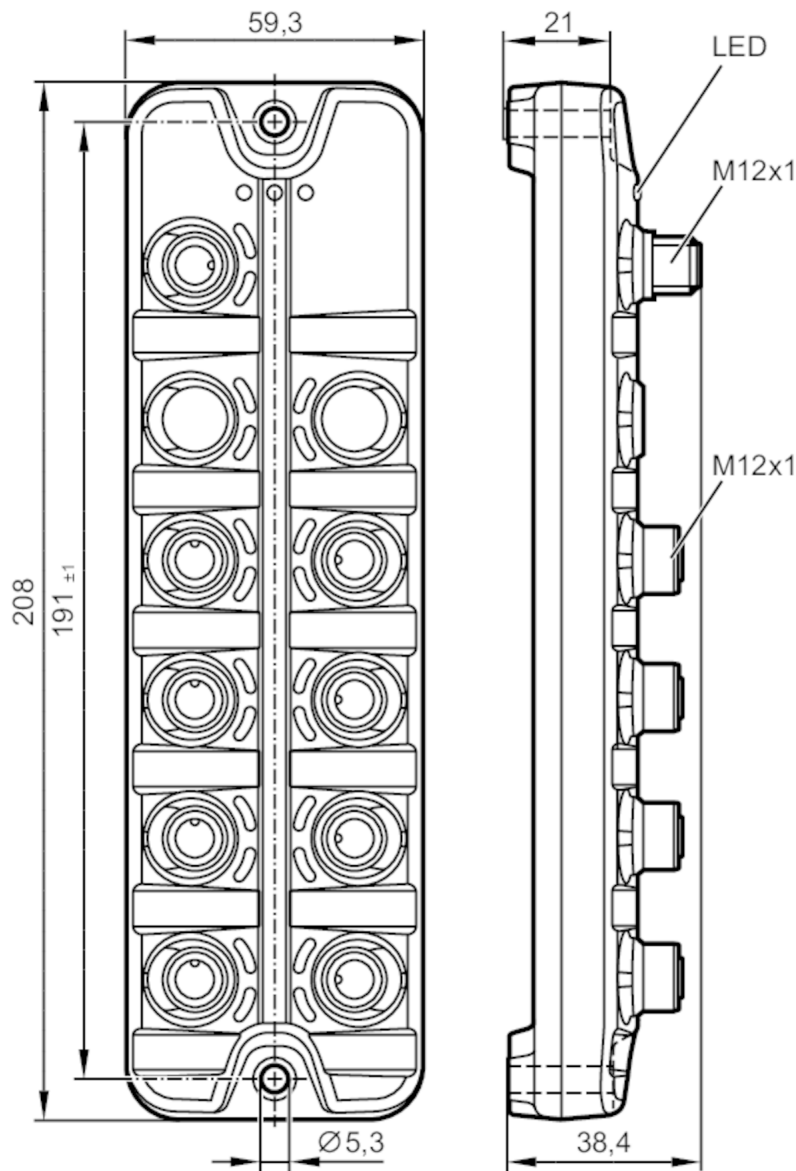


AL2301



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						
SDCI standard	IEC 61131-9						
Transmission type	COM3 (230,4 kBaud)						
IO-Link revision	1.1						
SIO mode	no						
Required master port type	A						
Min. process cycle time [ms]	4						
Supported DeviceIDs	<table> <tr> <th>Type of operation</th><th>DeviceID</th></tr> <tr> <td>Acyclic parametrisation</td><td>1408</td></tr> <tr> <td>Factory setting: parametrisation via Pdout</td><td>1407</td></tr> </table>	Type of operation	DeviceID	Acyclic parametrisation	1408	Factory setting: parametrisation via Pdout	1407
Type of operation	DeviceID						
Acyclic parametrisation	1408						
Factory setting: parametrisation via Pdout	1407						
Note	Parameterisation 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	<table> <tr> <td>ISO 16750-5</td><td>AA, BA, BD, HLP, CC, DB, DC, DD, CA</td></tr> <tr> <td>NEMA 250 5.13.1</td><td>AA</td></tr> </table>	ISO 16750-5	AA, BA, BD, HLP, CC, DB, DC, DD, CA	NEMA 250 5.13.1	AA
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	

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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
Dimensions	[mm]	26 x 59.3 x 208
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

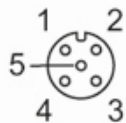
Connector: 1 x M12; coding: A



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; 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