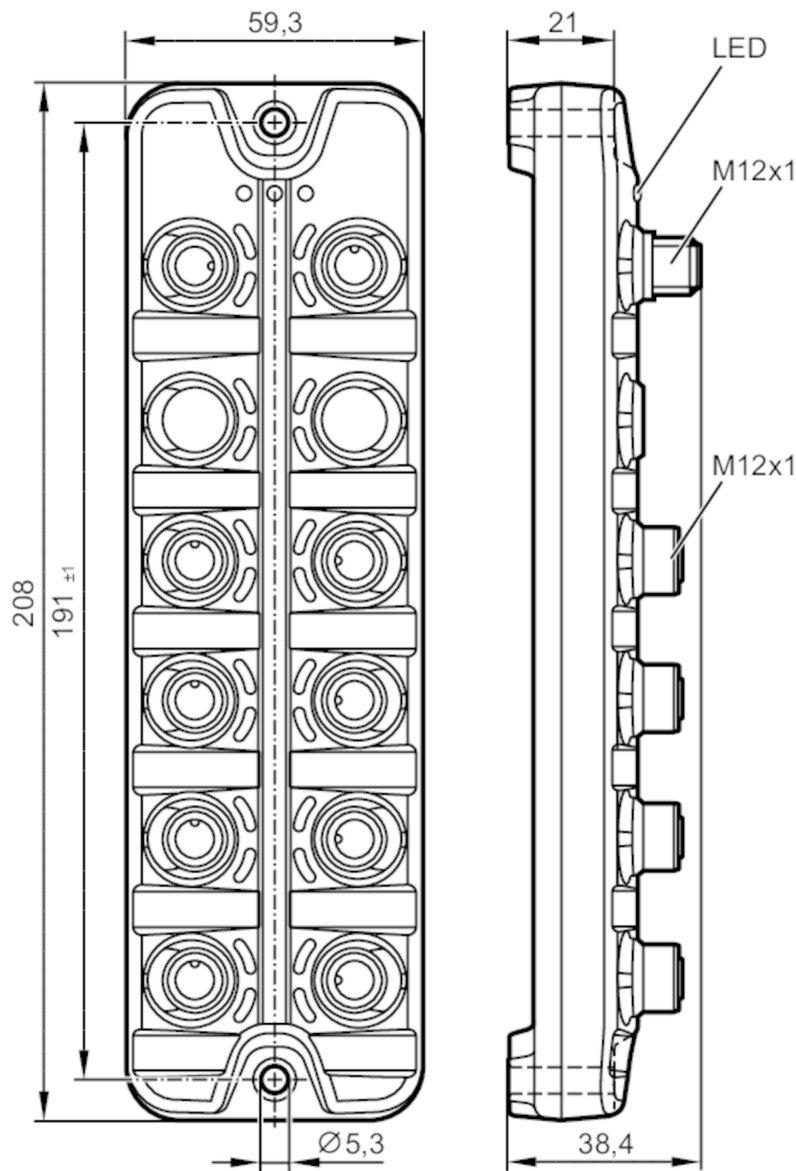


AL2305



IO-Link input/output module

IOL MOD SL 8XMP/DX E 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 UAi)
Max. current consumption from additional supply	[mA]	4000; (UA; UAi: 400 mA)
Inputs / outputs		
Total number of inputs and outputs		16; (configurable)



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Number of inputs and outputs	Number of digital inputs: 16; Number of analogue inputs: 8; Number of digital outputs: 16
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Inputs	
Number of digital inputs	16; (configurable)
Input circuit of digital inputs	PNP; (type 3 (IEC 61131-2))
Sensor supply of the inputs	AUX (UA, UAi)
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]	1800
Max. current load outputs total [A]	3.6; (max. current load per segment: 1800 mA)
Short-circuit protection	yes
Actuator supply outputs	AUX (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	A								
Min. process cycle time [ms]	4								
Supported DeviceIDs	<table> <tr> <th>Type of operation</th><th>DeviceID</th></tr> <tr> <td>Acyclic enhanced parametrisation</td><td>1448</td></tr> <tr> <td>Acyclic parametrisation</td><td>1316</td></tr> <tr> <td>Factory setting: parametrisation via Pdout</td><td>1315</td></tr> </table>	Type of operation	DeviceID	Acyclic enhanced parametrisation	1448	Acyclic parametrisation	1316	Factory setting: parametrisation via Pdout	1315
Type of operation	DeviceID								
Acyclic enhanced parametrisation	1448								
Acyclic parametrisation	1316								
Factory setting: parametrisation via Pdout	1315								
Note	Parameter setting can be changed from "cyclic" to "acyclic" and "acyclic enhanced" 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				

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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]	396.9
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 - AUX	
Connector: 1 x M12; coding: A	
	

X31	
1	L+ UAi
2	L- UA/UAi
3	n.c.
4	L+ UA

Electrical connection - IO-Link	
Connector: 1 x M12; coding: A	
	



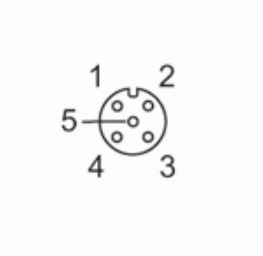
IO-Link input/output module

IOL MOD SL 8XMP/DX E M12 IP67

X1	
1	L+ US
2	n.c.
3	L- US
4	DATA IO-Link

Electrical connection - inputs / outputs

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



X1.0...X1.7	
1	L+ UA/UAi Sensor supply
2	MP2 DI2/DO2
3	L- UA/UAi
4	MP1 DI1/DO1
5	n.c.