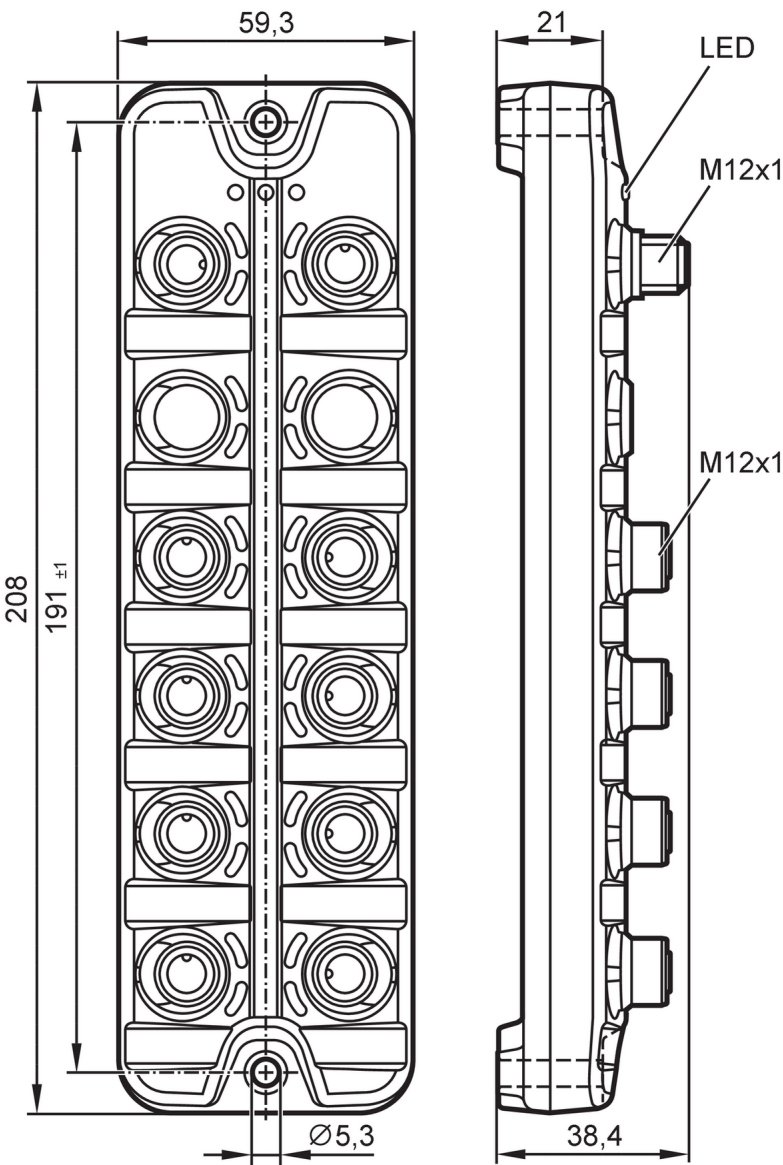


AL2305



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)
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	AUX (UA, UAi)
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	AUX (UA)

Interfaces

Communication interface	IO-Link
Transmission type	COM3 (230,4 kBaud)
IO-Link revision	1.1
SDCI standard	IEC 61131-9
SIO mode	no
Required master port class	A
Min. process cycle time [ms]	4

Supported DeviceIDs	Type of operation	DeviceID
	Acyclic enhanced parametrisation	1448
	Acyclic parametrisation	1316
	Factory setting: Cyclic parametrisation	1315

Note	Parameter setting can be changed from "cyclic" to "acyclic" and "acyclic enhanced"
	For further information please see the IODD PDF file at "Downloads"

Acyclic enhanced parametrisation		
Profiles	Common - I&D	Identification and Diagnosis
	Function	Multiple switching signal

Acyclic parametrisation		
Profiles	Common - I&D	Identification and Diagnosis

Factory setting: Cyclic parametrisation		
Profiles	Common - I&D	Identification and Diagnosis

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

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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

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]	46	

Mechanical data

Weight [g]	396.9	
Dimensions [mm]	26 x 59.3 x 208	
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
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Remarks

Pack quantity	1 pcs.
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Electrical connection - AUX

Connector: 1 x M12; coding: A; Contacts: 4



X31

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

Electrical connection - IO-Link

Connector: 1 x M12; coding: A; Contacts: 4



X1

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

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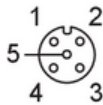


IO-Link input/output module

IOL MOD SL 8XMP/DX E M12 IP67

Electrical connection - inputs / outputs

Connector: 8 x M12; coding: A; Contacts: 4; 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.