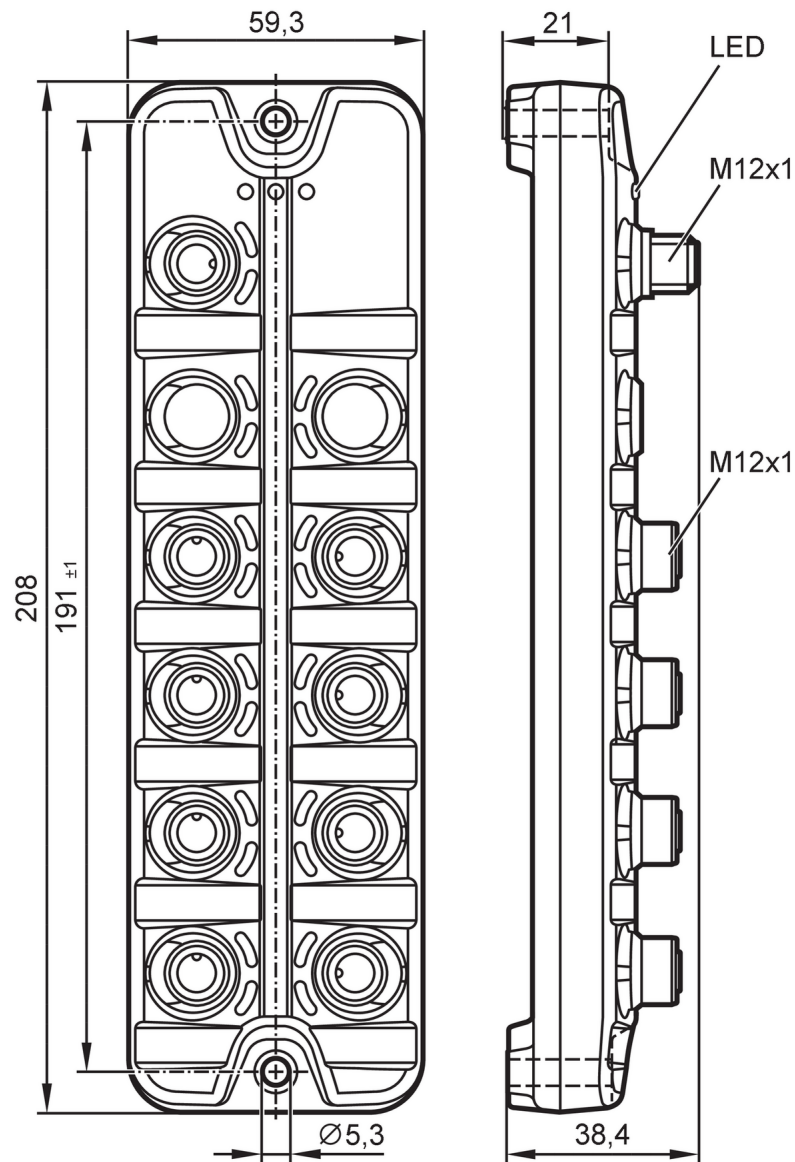


AL2201



IO-Link input/output module

IOL MOD SL 8XMP/DX A M12 IP69K



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 analog inputs: 8; Number of digital outputs: 16	
Inputs		
Number of digital inputs		16; (configurable)
Input circuit of digital inputs		PNP; (type 3 (IEC 61131-2))
Sensor supply of the inputs		US

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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]	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	Identification and Diagnosis
SIO mode	no	
Required master port class	A	
Min. process cycle time	[ms]	4
Supported DeviceIDs	Type of operation	DeviceID
	Acyclic parametrisation	1408
	Factory setting: parametrisation via Pdout	1407
	Parameterization can be changed from cyclical to acyclical.	
Note	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; IP 69K; (operation with stainless steel protective caps: IP 69K)	
Protection rating (NEMA 250)	6P	
Pollution degree	2	
Chemical media	ISO 16750-5	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	
	DIN EN 60068-2-27	
Shock resistance		

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Vibration resistance	DIN EN 60068-2-64	
	DIN EN 60068-2-6	
MTTF	[years]	44

Mechanical data

Weight	[g]	482.29
Housing	rectangular	
Type of mounting	Backplane mounting	
Dimensions	[mm]	208 x 59.3 x 38.4
Material	housing: PA grey; Socket: stainless steel (1.4404 / 316L)	
Sealing material	EPDM	
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 - IO-Link

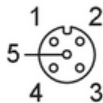
Connector: 1 x M12; coding: A; Contacts: 4



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; Contacts: 4; sealing: EPDM



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