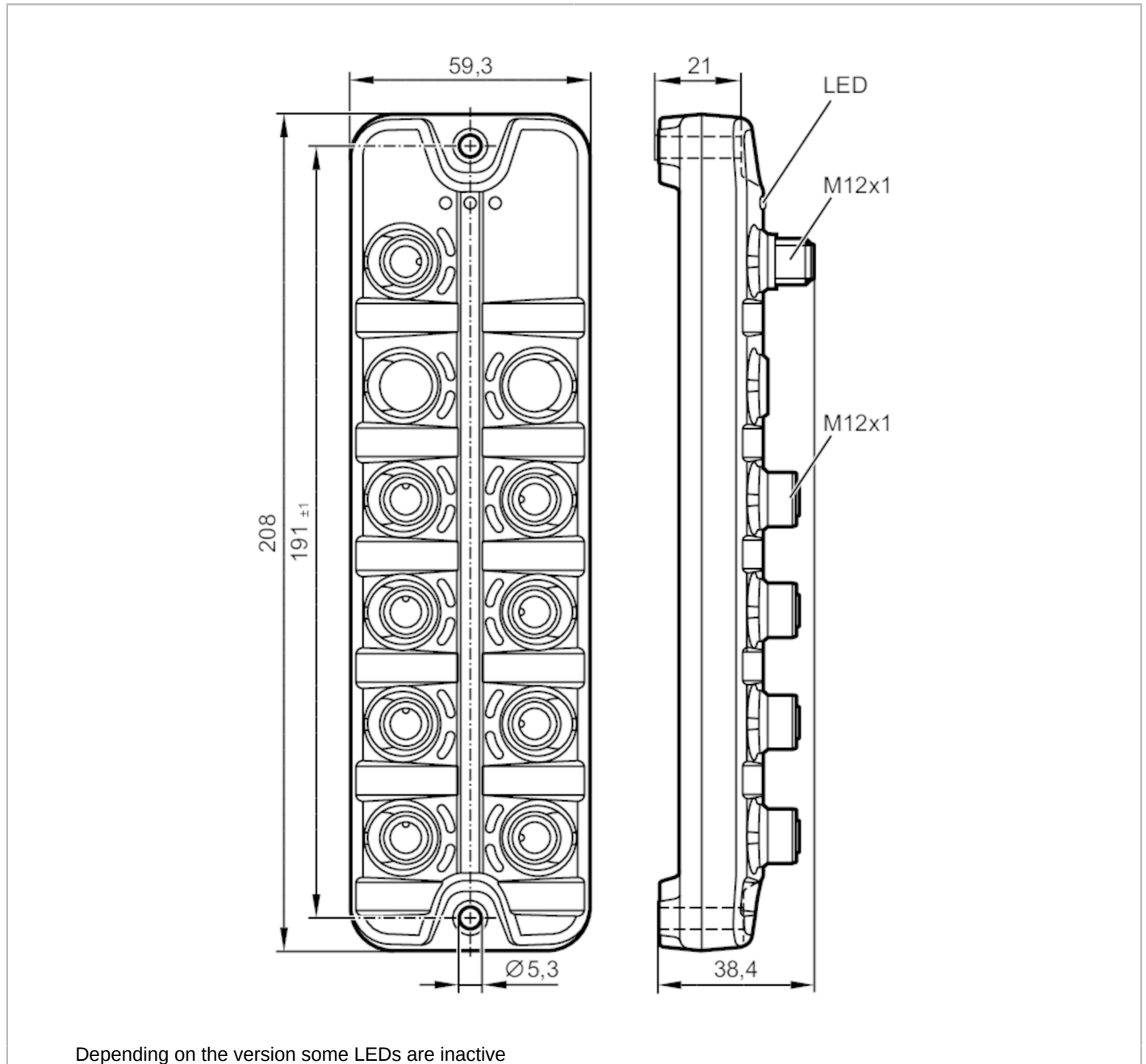


AL2201



IO-Link input/output module

IOL MOD SL 8XMP/DX A M12 IP69K



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)

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Input circuit of digital inputs	PNP; (type 3 (IEC 61131-2))
Sensor supply of the inputs	US
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						
SDCI standard	IEC 61131-9						
Transmission type	COM3 (230,4 kBaud)						
IO-Link revision	1.1						
SIO mode	no						
Required master port class	A						
Min. process cycle time [ms]	4						
Supported DeviceIDs	<table><thead><tr><th>Type of operation</th><th>DeviceID</th></tr></thead><tbody><tr><td>Acyclic parametrisation</td><td>1408</td></tr><tr><td>Factory setting: parametrisation via Pdout</td><td>1407</td></tr></tbody></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	Parameterization can be changed from cyclical to acyclical. 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
Degree of soiling	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

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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]	482.29
Dimensions	[mm]	26 x 59.3 x 208
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

Remarks	
Pack quantity	1 pcs.

Electrical connection - IO-Link

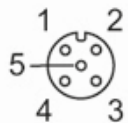
Connector: 1 x M12; coding: A



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: 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