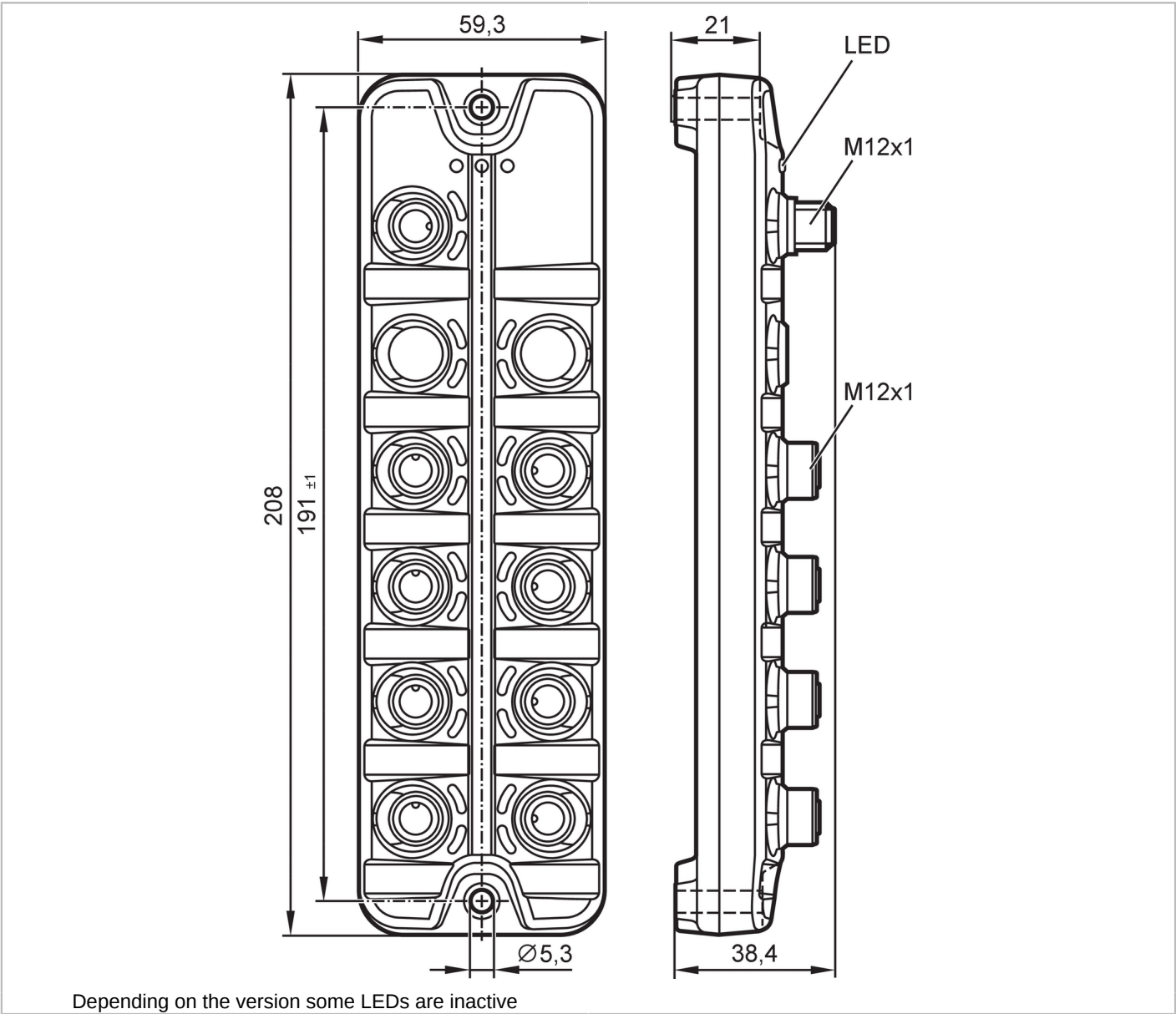


AL2223



IO-Link input/output module

IOL MOD SL 8XDX/DX B M12 IP69K



Electrical data		
Operating voltage	[V]	18...30 DC
Current consumption	[mA]	100; (US)
Protection class		III
Additional voltage supply	[V]	18...30 DC; (UA)
Max. current consumption from additional supply	[mA]	3600; (UA)
Inputs / outputs		
Total number of inputs and outputs		16
Number of inputs and outputs		Number of digital inputs: 16; 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	UA
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

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	UA

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	B	
Min. process cycle time [ms]	2	
Supported DeviceIDs	Type of operation	DeviceID
	default	1409
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

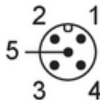
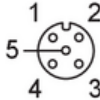
EMC	EN 61000-6-2	
	EN 61000-6-3	
	IEC 61131-9	
Shock resistance	DIN EN 60068-2-27	
Vibration resistance	DIN EN 60068-2-64	
	DIN EN 60068-2-6	
MTTF [years]	40	

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Mechanical data		
Weight	[g]	482.326
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
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; Contacts: 5		
		
X1		
1	+ 24 V DC (US)	
2	+ 24 V DC (UA)	
3	GND (US)	
4	IO-Link	
5	GND (UA)	
Electrical connection - inputs / outputs		
Connector: 8 x M12; coding: A; Contacts: 4; sealing: EPDM		
		
X1.0...X1.7		
1	+ 24 V DC (UA)	
2	I/O2	
3	GND (UA)	
4	I/O1	
5	not used	