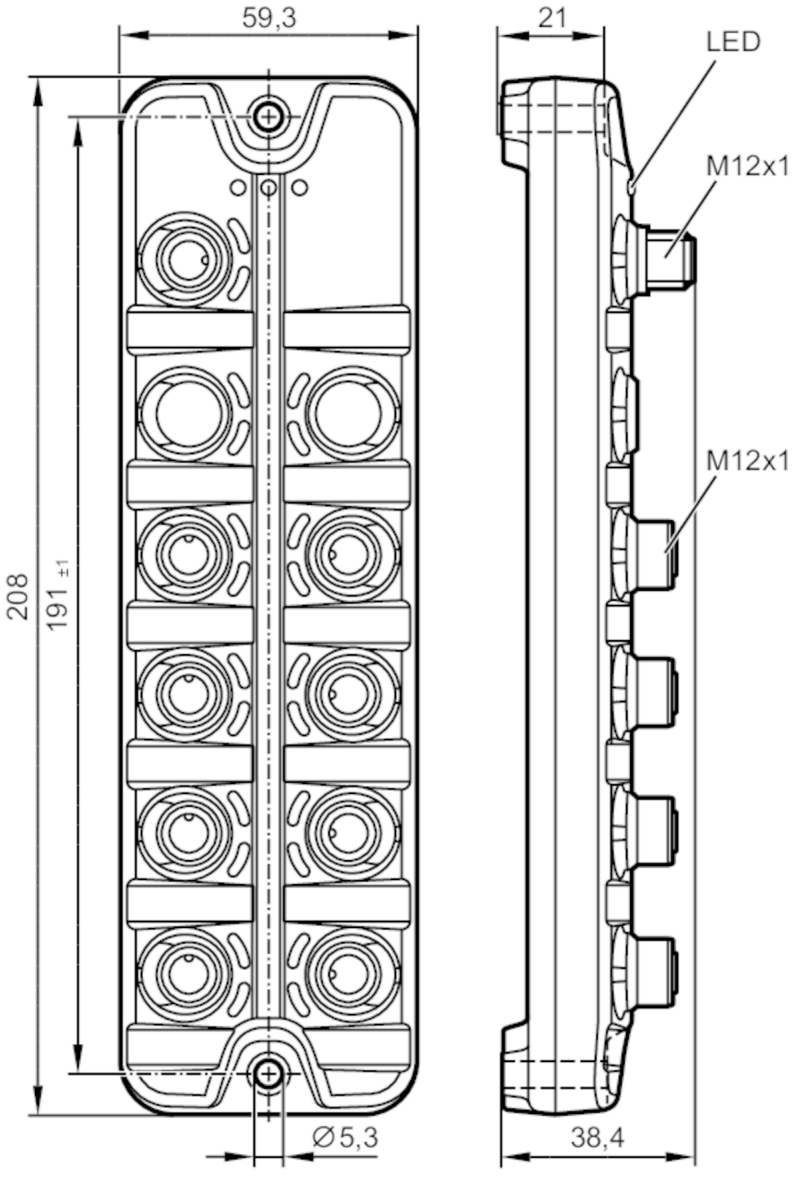
AL2203

IO-Link input/output module

IOL MOD SL 8XMP/DX B M12 IP69K



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)
Max. current consumption from additional supply	[mA]	3600; (UA)
Inputs / outputs		
Total number of inputs and outputs		16

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Number of inputs and outputs		Number of digital inputs: 16; Number of analogue 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		UA
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		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		B
Min. process cycle time	[ms]	4
Supported DeviceIDs		**Type of operation** / **DeviceID** Acyclic parametrisation / 1406 Factory setting: parametrisation via Pdout / 1405
Note		Parameterisation can be changed from cyclical to acyclical. 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; 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

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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]	482.33
Dimensions	[mm]	26 x 59.3 x 208
Materials		housing: PA grey; socket: stainless steel (316L/1.4404)
Sealing material		EPDM
Tightening torque	[Nm]	< 0.8

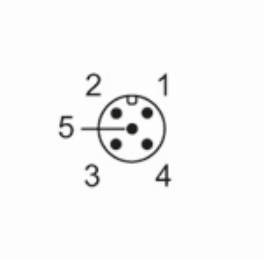
Displays / operating elements		
Display	operation	1 x LED, green
	fault	1 x LED, red
	function	1 x LED, yellow

Accessories	
Accessories (optional)	protective cap for M12 sockets

Remarks	
Pack quantity	1 pcs.

Electrical connection - IO-Link

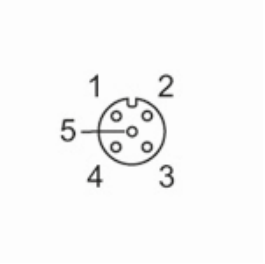
Connector: 1 x M12; coding: A



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; Sealing: EPDM



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X1.0...X1.7	
1	Sensor supply + 24 V DC (UA)
2	multifunctional input I2 digital output O2
3	Sensor supply GND (UA)
4	digital input/output I/O1
5	not used