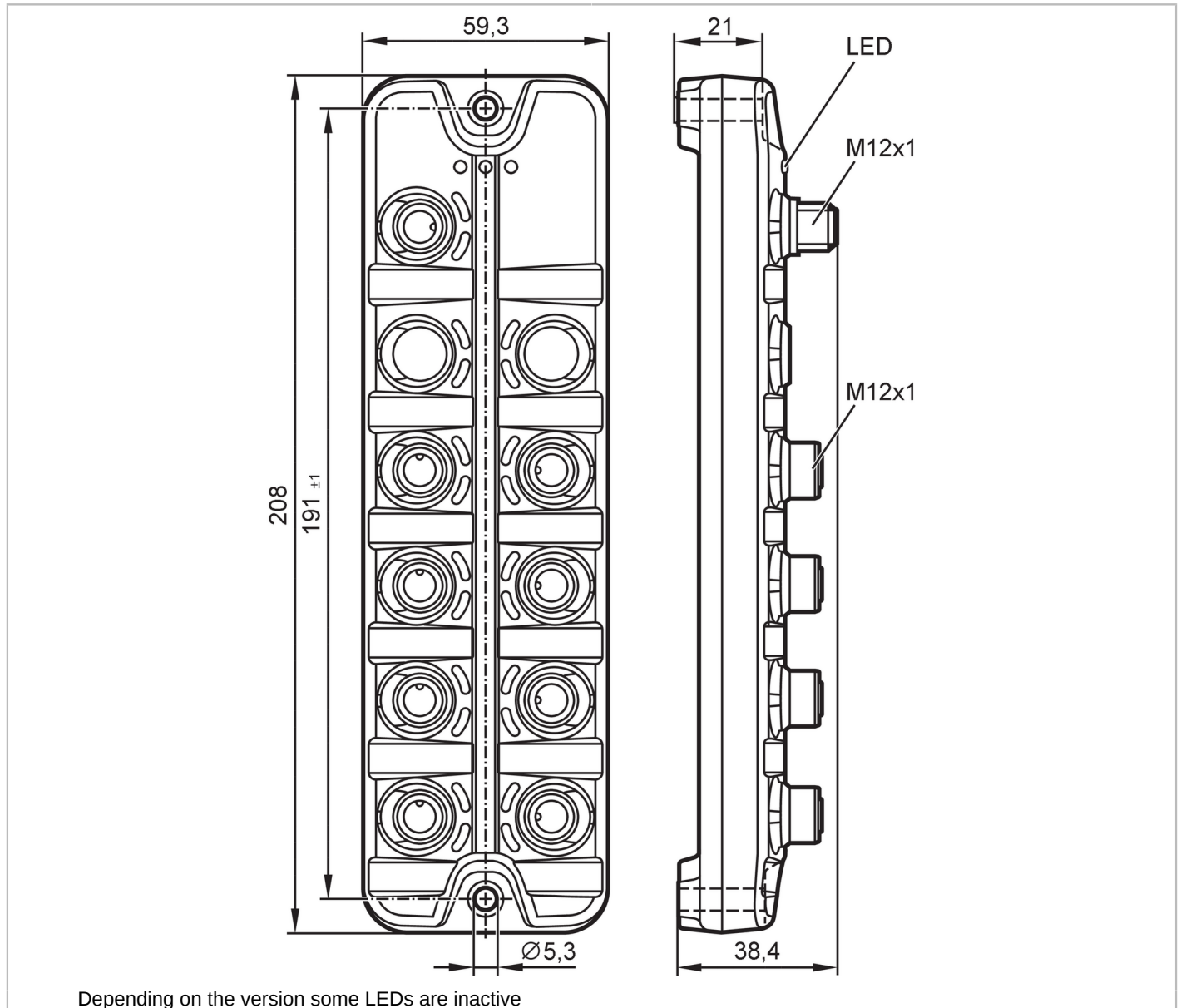


# AL2321



## IO-Link input/output module

IOL MOD SL 8XDX/DX A M12 IP67



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
Number of inputs and outputs		Number of digital inputs: 16; 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

# AL2321



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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

### 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 type		A
Min. process cycle time	[ms]	4
Supported DeviceIDs	<b>Type of operation</b>	<b>DeviceID</b>
	default	1314
Note	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
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	
	DIN EN 60068-2-64	
Vibration resistance	DIN EN 60068-2-6	
MTTF	[years]	46

### Mechanical data

Weight	[g]	435.932
Housing		rectangular

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IOL MOD SL 8XDX/DX A M12 IP67

Type of mounting	backplane mounting
Dimensions [mm]	208 x 59.3 x 38.4
Materials	housing: PA orange; socket: brass nickel-plated
Sealing material	FKM

### 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
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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

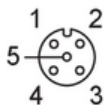


#### X1

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: FKM



#### X1.0...X1.7

1	+ 24 V DC (US)
2	I/O2
3	GND (US)
4	I/O1
5	not used