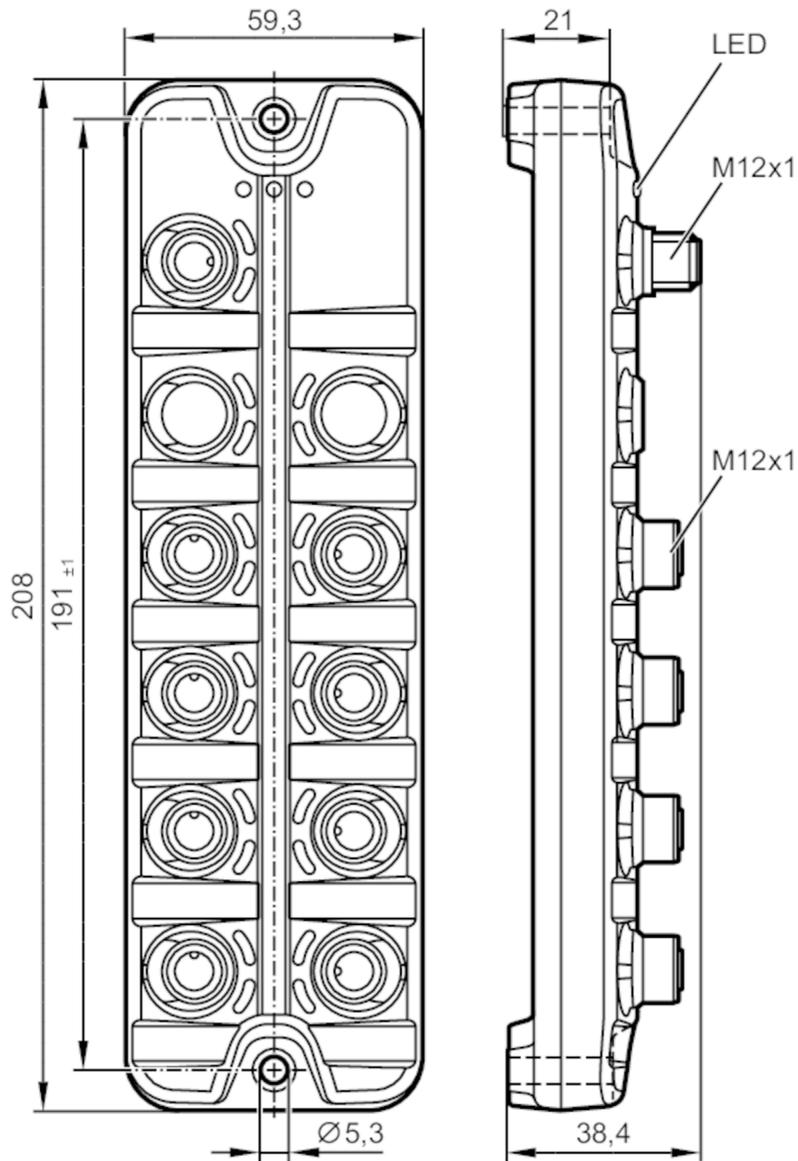


# AL2321



## IO-Link input/output module

IOL MOD SL 8XDX/DX A M12 IP67



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
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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IOL MOD SL 8XDX/DX A M12 IP67

Input circuit of digital inputs	PNP; (type 3 (IEC 61131-2))
Sensor supply of the inputs	US
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

### 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 type	A
Min. process cycle time [ms]	4

Supported DeviceIDs	Type of operation	DeviceID
Note	default	1314

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 NEMA 250 5.13.1	AA, BA, BD, HLP, CC, DB, DC, DD, CA 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]	46

### Mechanical data

Weight [g]	435.932
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# AL2321



## IO-Link input/output module

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Housing	rectangular
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

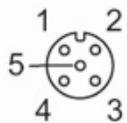


### X1

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: FKM



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

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