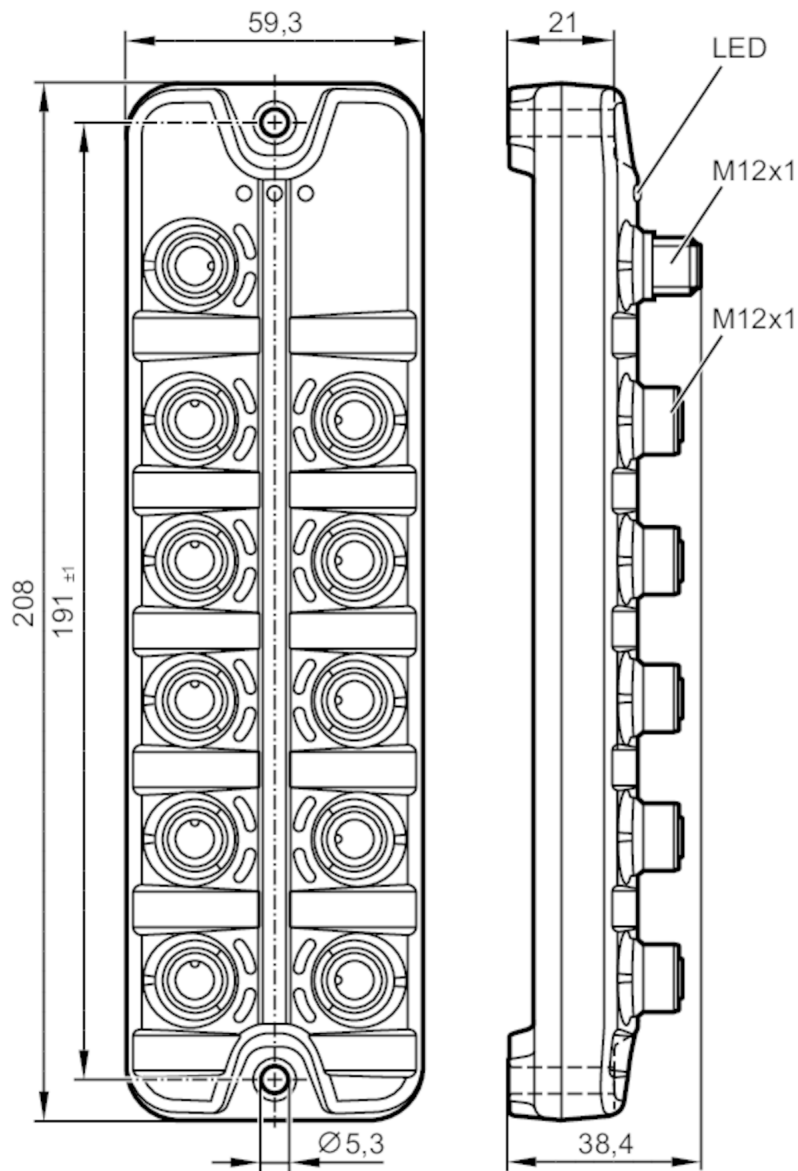


AL2241



IO-Link input module

IO-Link Module 10x2 DI M12 IP69K



Electrical data

Operating voltage	[V]	18...30 DC
Current consumption	[mA]	100...1100; (US)
Protection class		III

Sensor supply US

Current rating per port	[A]	0.1
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Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 20
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Inputs

Number of digital inputs	20; (10 x 2 PNP type 2 according to IEC 61131-2)
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IO-Link input module

IO-Link Module 10x2 DI M12 IP69K

Sensor supply of the inputs	IO-Link
Voltage supply [V]	16...30

Interfaces

Communication interface	IO-Link	
Transmission type	COM2 (38,4 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
Profiles	Smart Sensor - SSP 0	Generic Profiled Sensor
	Function	Device identification
	Function	Process data variable
	Function	Device diagnosis
SIO mode	no	
Required master port class	A	
Min. process cycle time [ms]	4.3	
Supported DeviceIDs	Type of operation	DeviceID
	default	940

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	
Shock resistance	DIN EN 60068-2-27	
Vibration resistance	DIN EN 60068-2-64	
	DIN EN 60068-2-6	
MTTF [years]	140	

Mechanical data

Weight [g]	406	
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

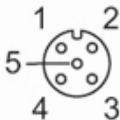
Display	Power	1 x LED, green
	fault	1 x LED, red
	Function	1 x LED, yellow

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IO-Link input module

IO-Link Module 10x2 DI M12 IP69K

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	
Connector: 10 x M12; coding: A; sealing: EPDM	
	
X1.0...X1.9	
1	Sensor supply + 24 V DC (US)
2	Digital input DI2
3	Sensor supply GND (US)
4	Digital input DI1
5	not used