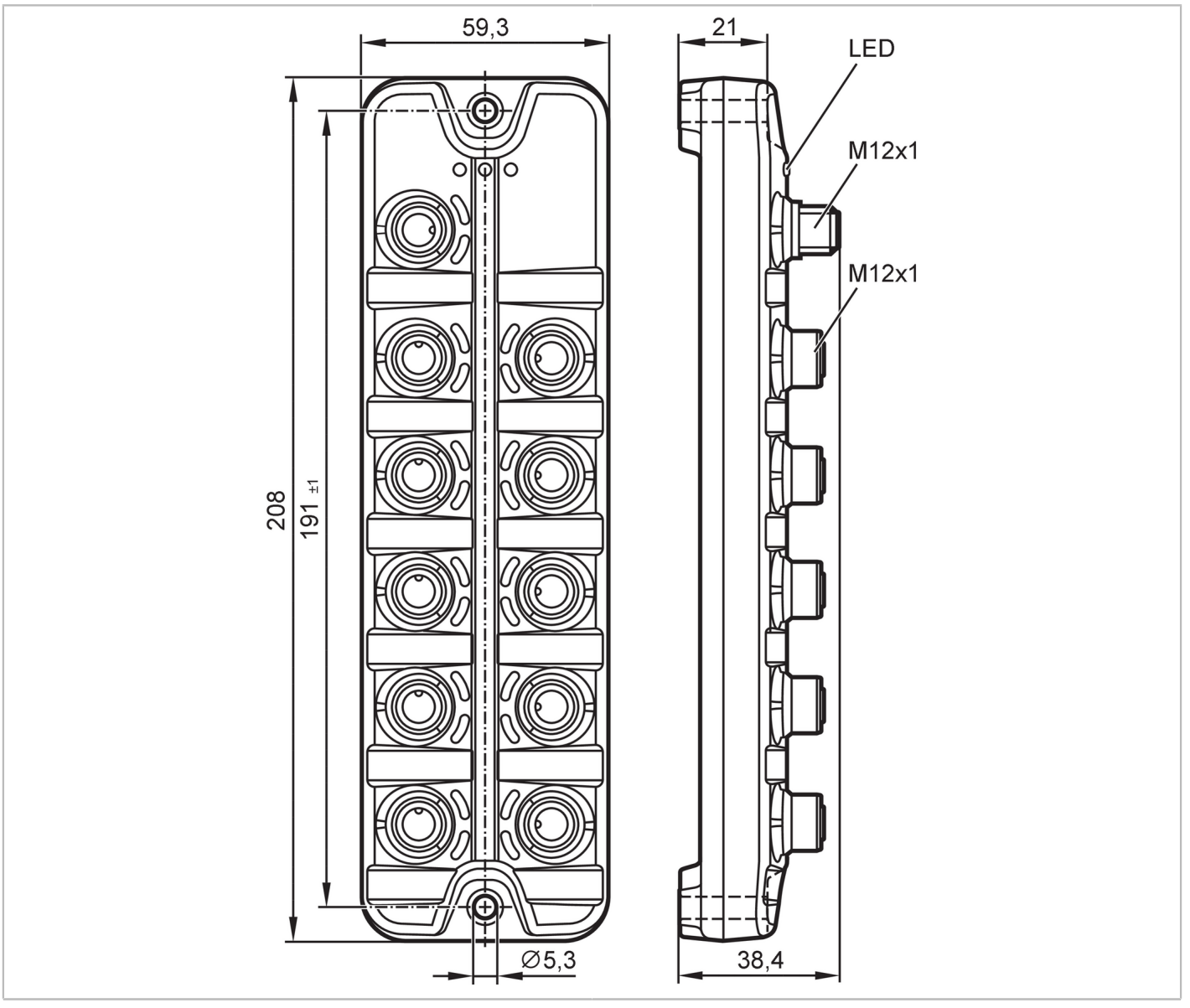
AL2241

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
Inputs / outputs		
Number of inputs and outputs		Number of digital inputs: 20
Inputs		
Number of digital inputs		20; (10 x 2 PNP type 2 according to IEC 61131-2)
Sensor supply of the inputs		IO-Link
Voltage supply	[V]	16...30

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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 type		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	
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 61000-6-4	
		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	
Materials		housing: PA grey; socket: stainless steel (316L/1.4404)	
Sealing material		EPDM	
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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IO-Link input module

IO-Link Module 10x2 DI M12 IP69K

Remarks

Pack quantity	1 pcs.

Electrical connection - IO-Link

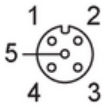
Connector: 1 x M12; coding: A; Contacts: 4



X1	
1	+ 24 V DC (US)
2	not used
3	GND (US)
4	IO-Link

Electrical connection - Inputs

Connector: 10 x M12; coding: A; Contacts: 4; 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