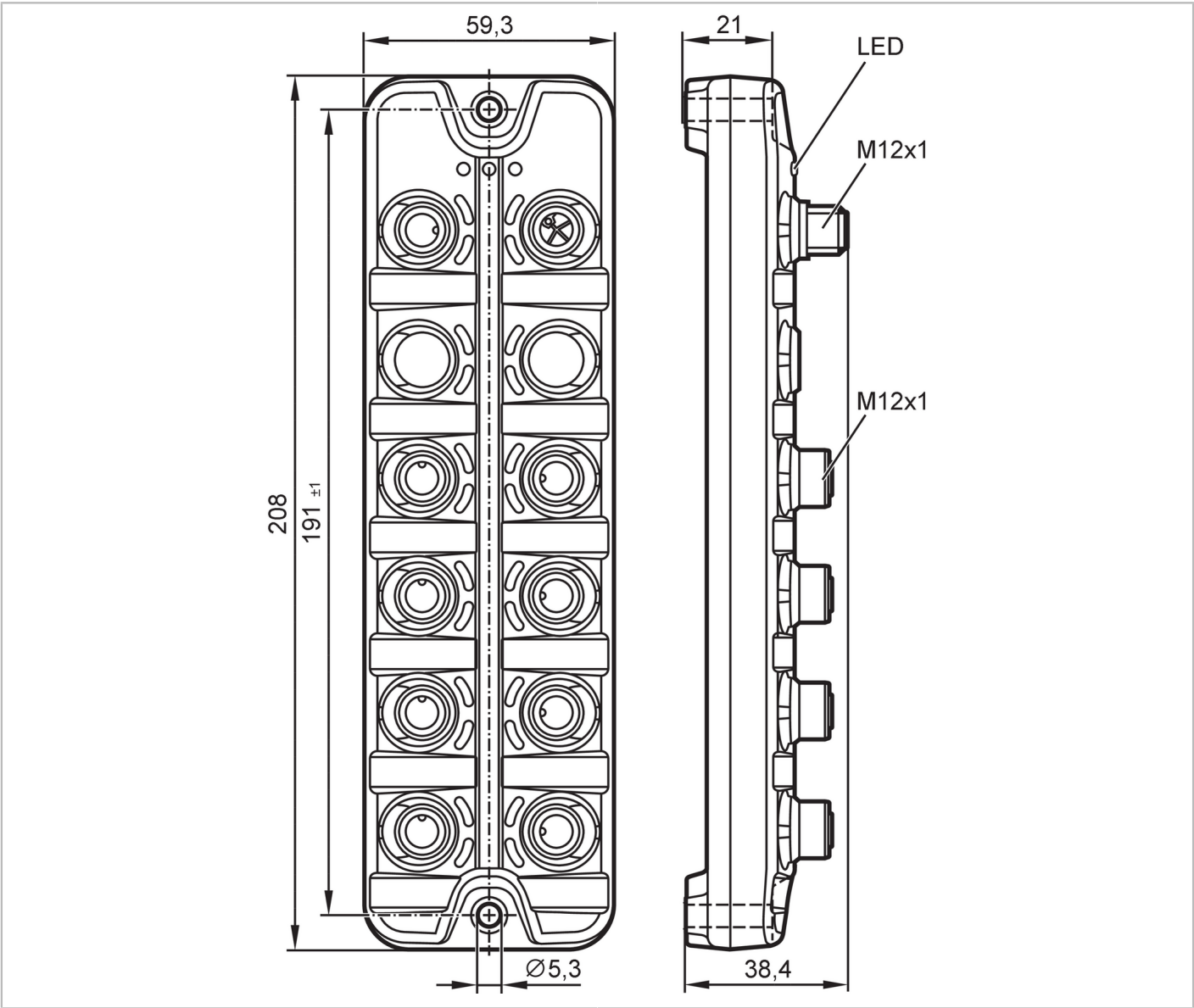


AL2527



IO-Link input/output module

IOL MOD PL 8XDX/DX E D M12 IP69K



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]	16000; (UA)
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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Input circuit of digital inputs	PNP; (type 3 (IEC 61131-2))
Sensor supply of the inputs	AUX (UA)
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]	2000
Max. current load outputs total [A]	16
Short-circuit protection	yes
Actuator supply outputs	AUX (UA)

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 class	A	
Min. process cycle time [ms]	4	
Supported DeviceIDs	Type of operation	DeviceID
	default	1314
Note	Parameterization can be changed from cyclical to acyclical.	
	For further information please see the IODD PDF file at "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

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]	59	



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Safety classification		
Complies with the requirements	ISO 13849-1 PL d	
Mechanical data		
Weight	[g]	453.02
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	
Tightening torque	[Nm]	< 0.8
Displays / operating elements		
Display	Power	1 x LED, green
	fault	1 x LED, red
	Function	1 x LED, yellow
Accessories		
Accessories (optional)	protective cap for M12 sockets	
Remarks		
Remarks	Using the device within a system with requirements for functional safety is possible by deactivating the actuator voltage UA without interaction.	
	For further information on functional safety, please refer to the operating instructions supplement under “Downloads”.	
Pack quantity	1 pcs.	
Electrical connection - AUX		
Connector: 1 x M12; coding: L; Contacts: 5		
		
X31		
1:	n.c.	
2:	L- (UA)	
3:	n.c.	
4:	L+ (UA)	
5:	FE	
Electrical connection - IO-Link		
Connector: 1 x M12; coding: A; Contacts: 4		
		
X1		
1:	L+ (US)	
2:	n.c.	
3:	L- (US)	
4:	DATA IO-Link	

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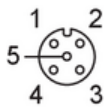


IO-Link input/output module

IOL MOD PL 8XDX/DX E D M12 IP69K

Electrical connection - inputs / outputs

Connector: 8 x M12; coding: A; Contacts: 4; sealing: EPDM



X1.0...X1.7

- | | |
|----|-----------------------|
| 1: | L+ (UA) Sensor supply |
| 2: | MP2 DI2/DO2 |
| 3: | L- (UA) Sensor supply |
| 4: | MP1 DI1/DO1 |
| 5: | FE |