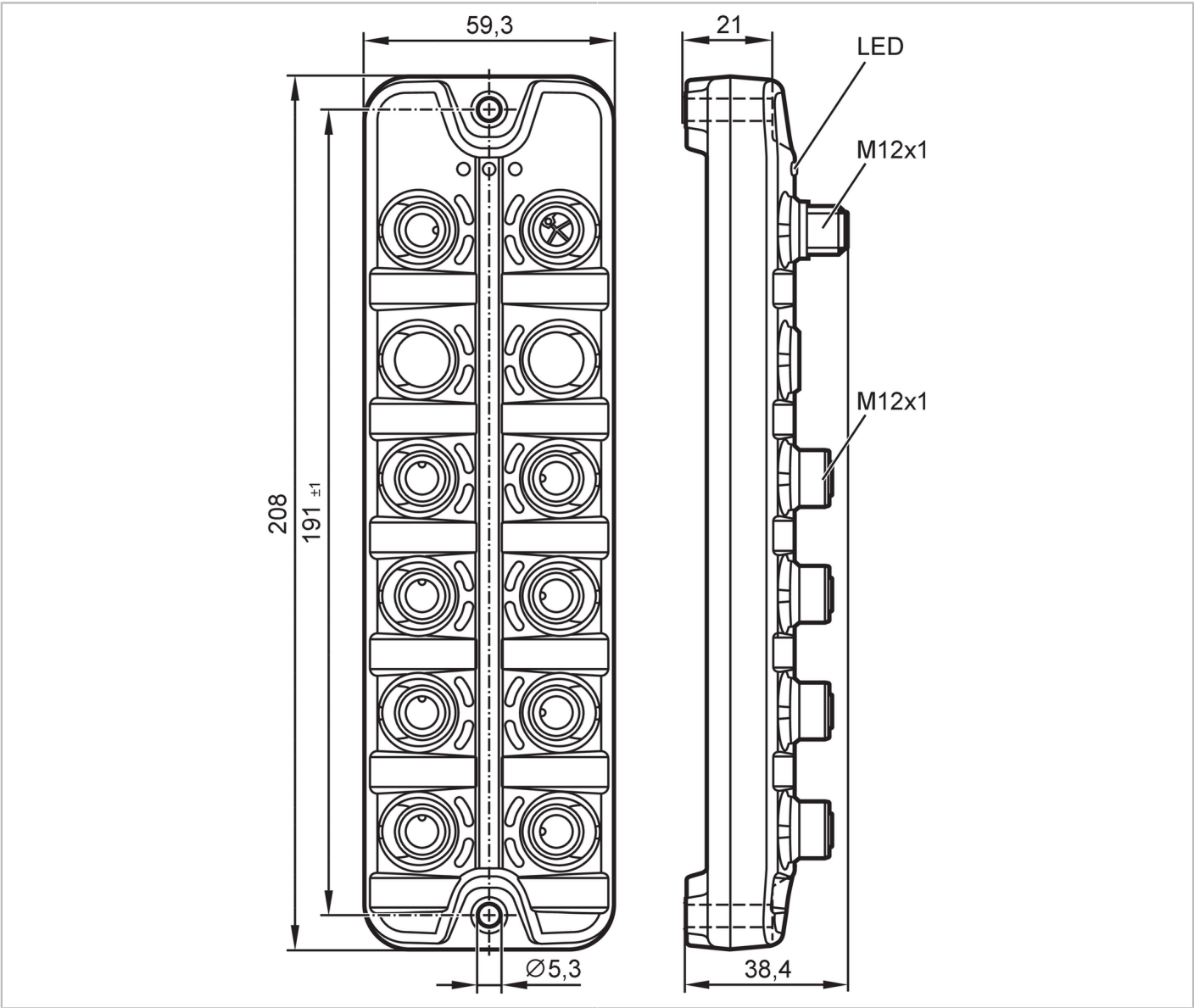


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IO-Link output module

IOL MOD PL 8X2DO 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; (UA1/UA2)
Max. current consumption from additional supply	[mA]	16000; (UA1: 8000; UA2: 8000)
Inputs / outputs		
Number of inputs and outputs		Number of digital outputs: 16
Outputs		
Number of digital outputs		16; (configurable)
Short-circuit protection		yes
Actuator supply outputs		AUX (UA1/UA2)



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Actuator supply UA1			
Current rating outputs	[A]	per port pair (X1.0 + X1.1; X1.2 + X1.3)	4
		per port group (X1.0...X1.3)	8
Actuator supply UA2			
Current rating outputs	[A]	per port pair (X1.4 + X1.5; X1.6 + X1.7)	4
		per port group (X1.4...X1.7)	8
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
		Function	Locator
		Function	ProductURI
SIO mode		no	
Required master port class		A	
Min. process cycle time	[ms]	1	
Supported DeviceIDs		Type of operation	DeviceID
		default	1842
Note		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	
Safety classification			
Complies with the requirements		ISO 13849-1 PL d	
Mechanical data			
Weight	[g]	437.45	
Housing		rectangular	
Type of mounting		Backplane mounting	
Dimensions	[mm]	208 x 59.3 x 38.4	

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Material	housing: PA grey; Socket: stainless steel (1.4404 / 316L)
Sealing material	EPDM
Tightening torque [Nm]	< 0.8

Displays / operating elements

Display	Power	4 x LED, green
	fault	3 x LED, red
	Function	16 x LED, yellow

Accessories

Accessories (optional)	protective cap for M12 sockets
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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

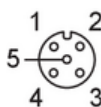


X31

1	L+	(UA1)
2	L-	(UA2)
3	L-	(UA1)
4	L+	(UA2)
5	FE	

Electrical connection - Outputs

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

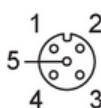


X1.0...X1.3

1	n.c.	
2	OUT	DO2
3	L-	(UA1)
4	OUT	DO1
5	FE	

Electrical connection - Outputs

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



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IO-Link output module

IOL MOD PL 8X2DO E D M12 IP69K

X1.4...X1.7		
1	n.c.	
2	OUT	DO2
3	L-	(UA2)
4	OUT	DO1
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

DATA: Communication interface; DO: digital output; n.c.: not used; FE: functional earth