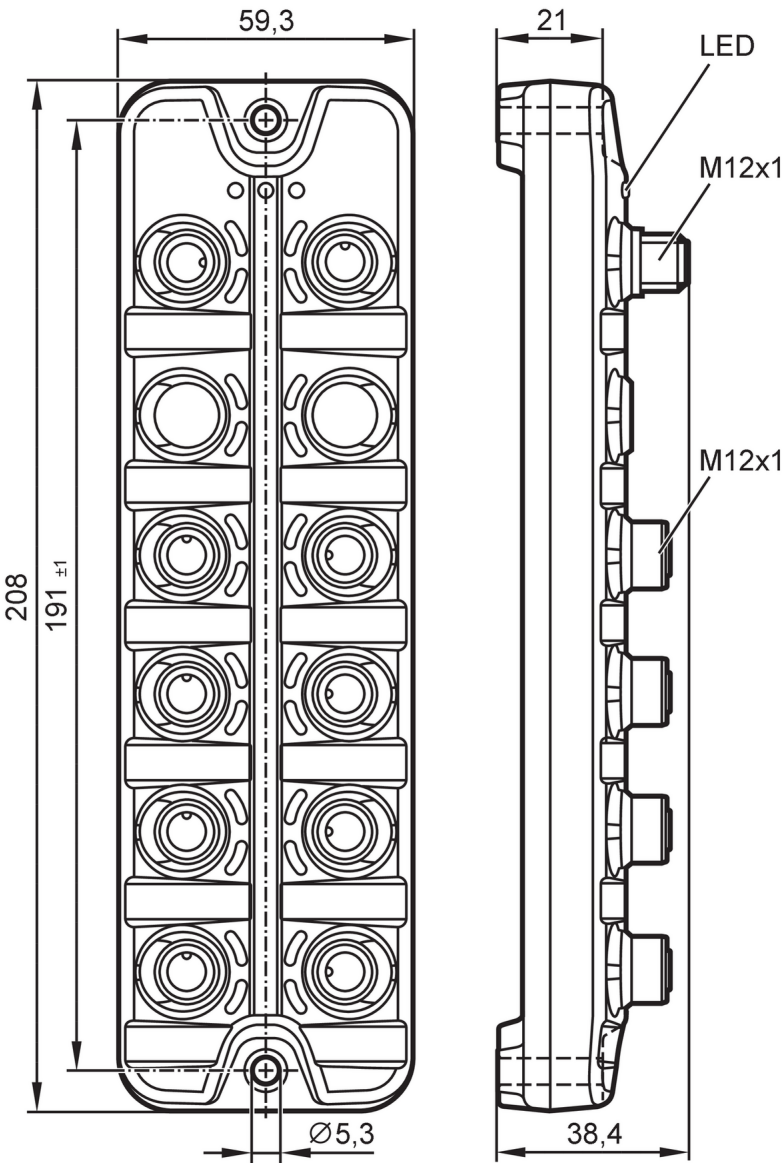


AL2205



IO-Link input/output module

IOL MOD SL 8XMP/DX E M12 IP69K



Depending on the version some LEDs are inactive



Electrical data		
Operating voltage	[V]	18...30 DC
Current consumption	[mA]	100; (US)
Protection class		III
Additional voltage supply	[V]	18...30 DC; (UA UAi)
Max. current consumption from additional supply	[mA]	4000; (UA; UAi: 400 mA)
Inputs / outputs		
Total number of inputs and outputs		16; (configurable)
Number of inputs and outputs		Number of digital inputs: 16; Number of analog inputs: 8; Number of frequency inputs: 2; Number of digital outputs: 16



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Inputs		
Number of frequency inputs		2
Number of digital inputs		16; (configurable)
Input circuit of digital inputs		PNP; (type 3 (IEC 61131-2))
Sensor supply of the inputs		AUX (UA, UA _i)
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
Number of analog inputs		8; (configurable current/voltage input)
Analog input (current) [mA]		4...20
Analog input (voltage) [V]		0...10
Resolution		16 Bit
Accuracy [%]		0,3
Outputs		
Number of digital outputs		16; (configurable)
Max. current load per output [mA]		1800
Max. current load outputs total [A]		3.6; (max. current load per segment: 1800 mA)
Short-circuit protection		yes
Actuator supply outputs		AUX (UA)
Number of PWM outputs		8; (acyclic enhanced modus)
Number of PWM-I outputs		2; (acyclic enhanced modus)
PMW/PWM-I output	max. current PWM-I output [mA]	1800
	available factors for the controller [PID]	Kp, Ki, Kd
	currently requested resolution [mA]	1
	Accuracy PWM-I Ausgang [%]	2,5
	range of the PWM output pulse/pause ratio [%]	0...1000
	switch-on time resolution ‰	1
	PWM/PWM-I frequency range [Hz]	20...1000
	number of configurable frequencies	2
	number of PWM outputs with optional dither	8
	dither level [%]	1...250
	dither number	1...20
Measuring/setting range		
Sampling rate [Hz]		0...3000
Interfaces		
Communication interface		IO-Link
Transmission type		COM3 (230,4 kBaud)
IO-Link revision		1.1
SDCI standard		IEC 61131-9
SIO mode		no
Required master port class		A



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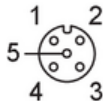
Min. process cycle time	[ms]	4	
Supported DeviceIDs	Type of operation	DeviceID	
	Acyclic enhanced parametrisation	1448	
	Acyclic parametrisation	1316	
	Factory setting: Cyclic parametrisation	1315	
Note	Parameter setting can be changed from “cyclic” to “acyclic” and “acyclic enhanced”		
	For further information please see the IODD PDF file at "Downloads"		
Acyclic enhanced parametrisation			
Profiles	Common - I&D	Identification and Diagnosis	
	Function	Multiple switching signal	
Acyclic parametrisation			
Profiles	Common - I&D	Identification and Diagnosis	
Factory setting: Cyclic parametrisation			
Profiles	Common - I&D	Identification and Diagnosis	
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]	46	
Mechanical data			
Weight	[g]	407	
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	

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Accessories	
Accessories (optional)	protective cap for M12 sockets
Remarks	
Pack quantity	1 pcs.
Electrical connection - AUX	
Connector: 1 x M12; coding: A; Contacts: 4	
	
X31	
1	+ 24 V DC (UAI)
2	GND (UA/UAI)
3	not used
4	+ 24 V DC (UA)
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 / outputs	
Connector: 8 x M12; coding: A; Contacts: 4; sealing: EPDM	
	
X1.0...X1.7	
1	Sensor supply + 24 V DC (UA/UAI)
2	multifunctional input I2 Digital output O2
3	GND (UA/UAI)
4	digital input/output I1/O1
5	not used