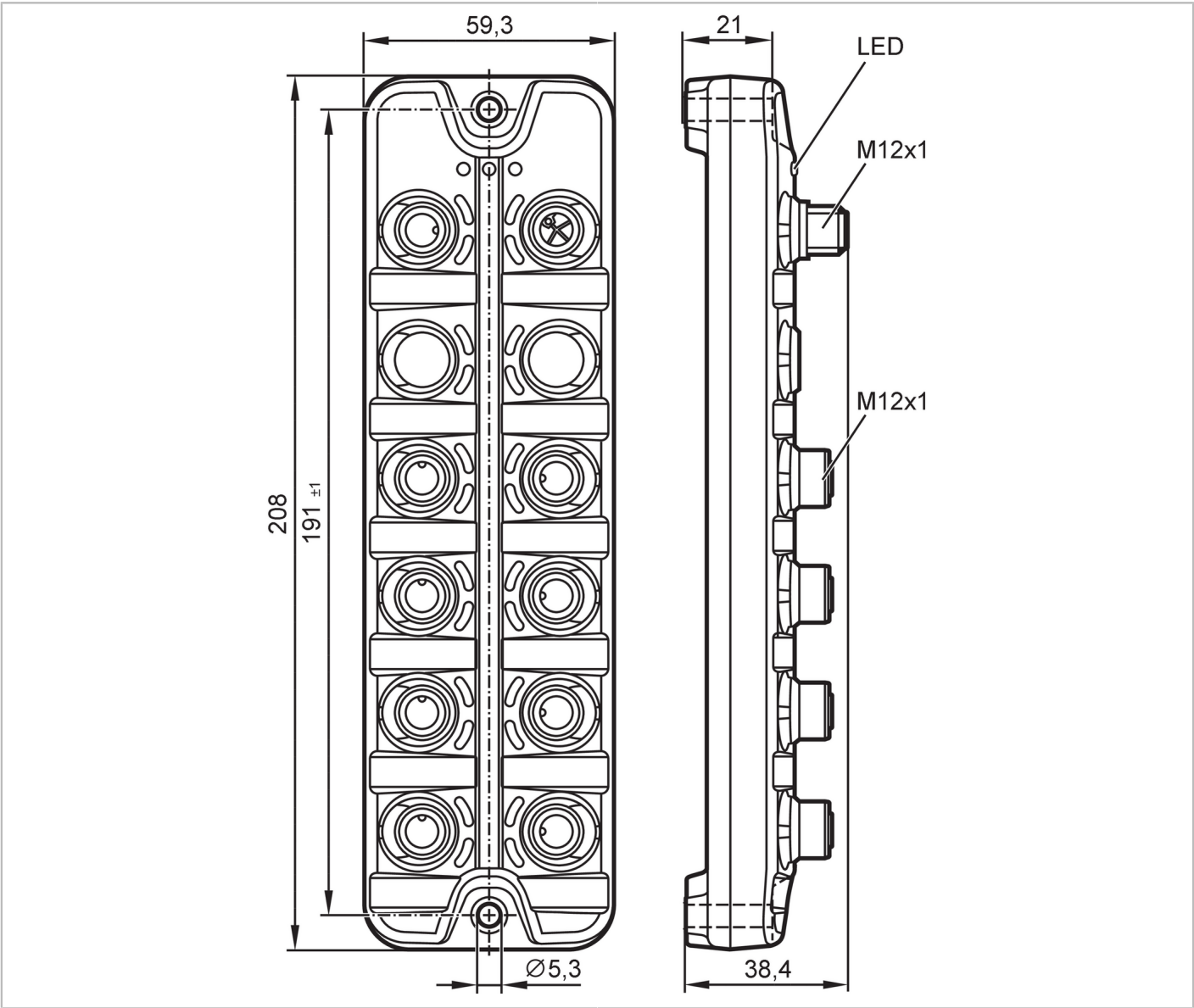


AL2605



IO-Link input/output module

IOL MOD PL 8XMP/DX E M12 IP67



Electrical data		
Operating voltage	[V]	18...30 DC
Current consumption	[mA]	50; (US)
Protection class		III
Additional voltage supply	[V]	18...30 DC; (UA UAi)
Max. current consumption from additional supply	[mA]	16000; (UA; UAi: 800 mA)
Inputs / outputs		
Total number of inputs and outputs		16
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
Inputs		
Number of frequency inputs		2



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Number of digital inputs	16; (configurable)
Input circuit of digital inputs	PNP; (type 3 (IEC 61131-2))
Sensor supply of the inputs	AUX (UA, UAi)
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]	2000	
Max. current load outputs total [A]	16	
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]	2000
	available factors for the controller [PID]	Kp, Ki, Kd
	currently requested resolution [mA]	1
	Accuracy PWM-I Ausgang [%]	2,2
	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
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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
Min. process cycle time [ms]	4

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Supported DeviceIDs	Type of operation		DeviceID
	Acyclic enhanced parametrisation		1449
	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	
Protection rating (NEMA 250)		6P	
Pollution degree		2	
Chemical media	ISO 16750-5		AA, BA, BD, 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]	35	
Mechanical data			
Weight	[g]	394	
Housing		rectangular	
Type of mounting		Backplane mounting	
Dimensions	[mm]	208 x 59.3 x 38.4	
Material		housing: PA orange; Socket: brass nickel-plated	
Sealing material		FKM	
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		



IO-Link input/output module

IOL MOD PL 8XMP/DX E M12 IP67

Remarks

Pack quantity

1 pcs.

Electrical connection - AUX

Connector: 1 x M12; coding: L; Contacts: 5



X31

1:	L+ (UAI)
2:	L- (UA/UAi)
3:	n.c.
4:	L+ (UA)
5:	FE

Electrical connection - IO-Link

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

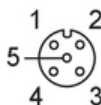


X1

1:	L+ (US)
2:	n.c.
3:	L- (US)
4:	DATA IO-Link

Electrical connection - inputs / outputs

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



X1.0...X1.7

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