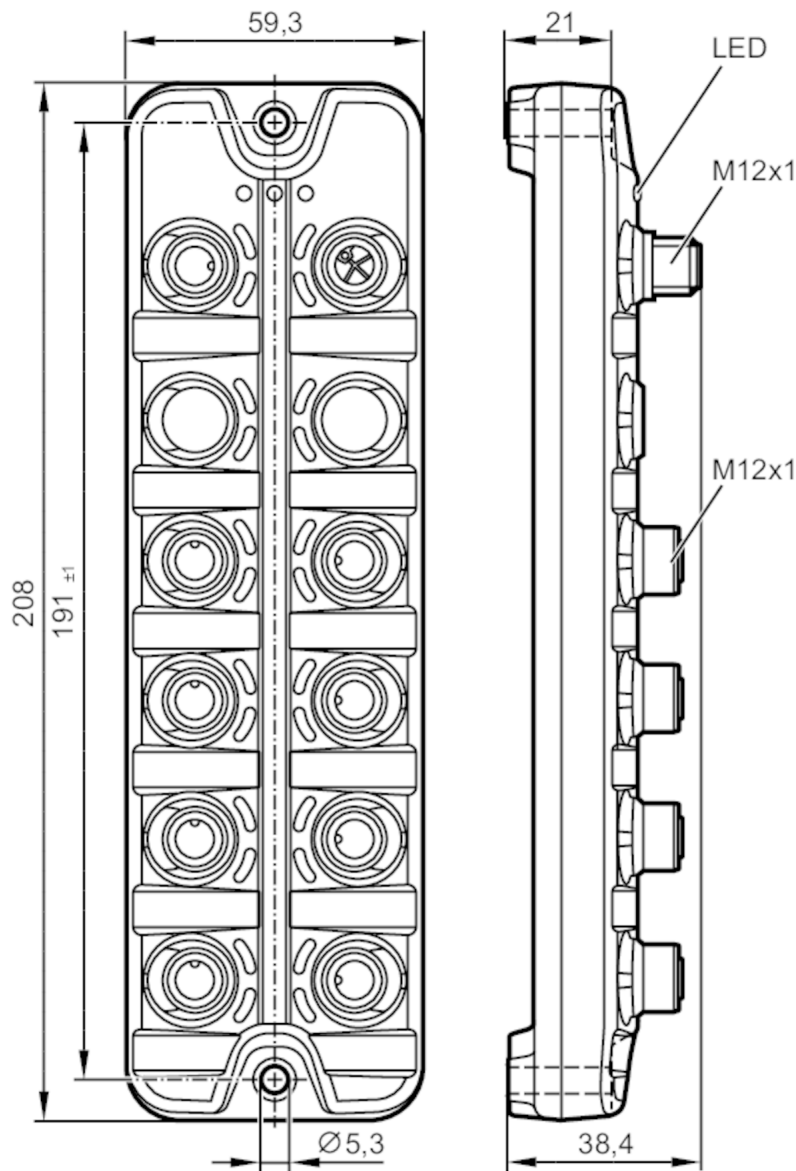


AL2605



IO-Link input/output module

IOL MOD PL 8XMP/DX E M12 IP67



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]	16000; (UA; UAi: 800 mA)
Inputs / outputs		
Total number of inputs and outputs		16



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Number of inputs and outputs	Number of digital inputs: 16; Number of analogue inputs: 8; Number of digital outputs: 16
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Inputs		
Number of digital inputs	16; (parameterisable)	
Input circuit of digital inputs	PNP; (type 3 (IEC 61131-2))	
Sensor supply of the inputs	AUX (UA, UAi)	
Power 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 analogue inputs	8; (parameterisable current/voltage input)	
Analogue input (current) [mA]	4...20	
Analogue input (voltage) [V]	0...10	
Resolution of analogue input	16 Bit	
Outputs		
Number of digital outputs	16; (parameterisable)	
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	
SDCI standard	IEC 61131-9	
Transmission type	COM3 (230,4 kBaud)	
IO-Link revision	1.1	
SIO mode	no	
Required master port type	A	
Min. process cycle time [ms]	4	
Supported DeviceIDs	Type of operation	DeviceID
	Acyclic parametrisation	1316
	Factory setting: parametrisation via Pdout	1315
Note	The parameter setting can be changed from cyclical to acyclical.	
	For further information please see the IODD PDF file under "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	
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

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Tests / approvals		
EMC	EN 61000-6-2	
	EN 61000-6-3	
	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
Materials		housing: PA orange; socket: brass nickel-plated
Sealing material		FKM
Tightening torque	[Nm]	< 0.8

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

Remarks	
Pack quantity	1 pcs.

Electrical connection - AUX

Connector: 1 x M12; coding: L



X31	
1	+ 24 V DC (U _{Ai})
2	GND (U _A /U _{Ai})
3	not used
4	+ 24 V DC (U _A)
5	functional earth



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Electrical connection - IO-Link

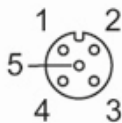
Connector: 1 x M12; coding: A



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; Sealing: FKM



X1.0...X1.7	
1	Sensor supply + 24 V DC (UA/UAi)
2	multifunctional input I2 digital output O2
3	Sensor supply GND (UA/UAi)
4	digital input/output I/O1
5	FE