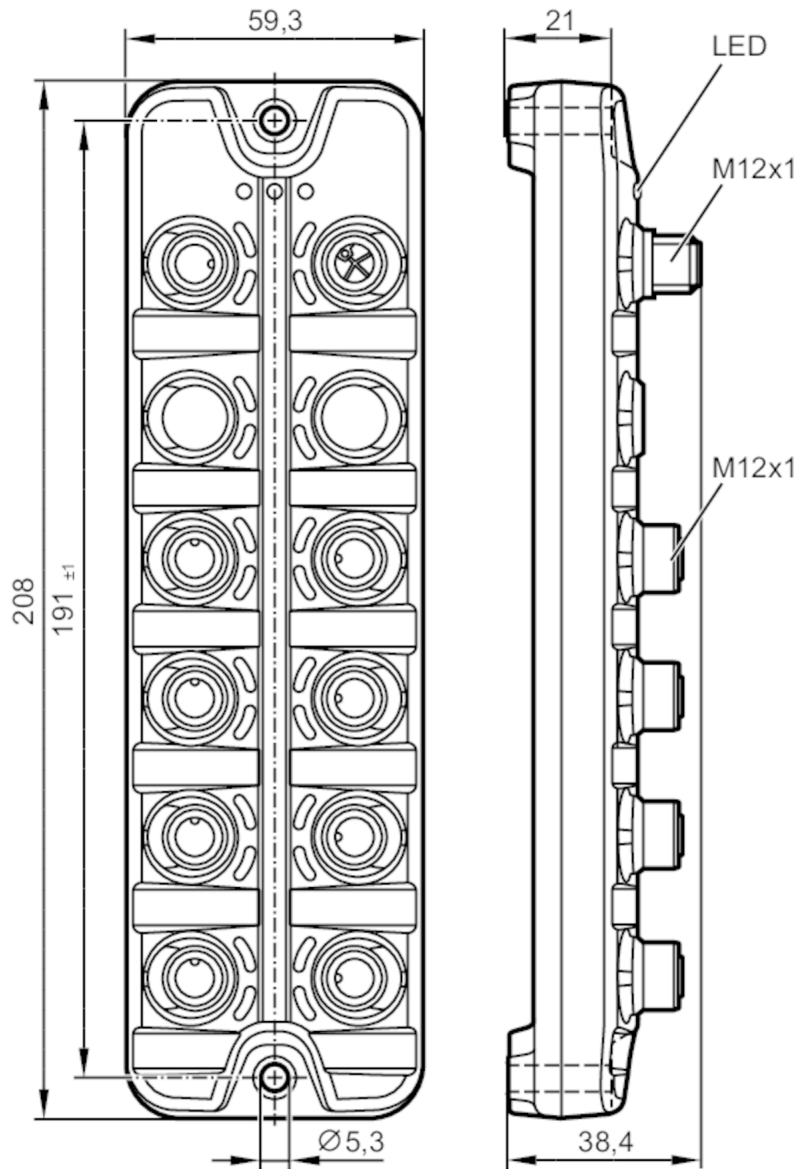


AL2507



IO-Link input/output module

IOL MOD PL 8XMP/DX E D M12 IP69K



Depending on the version some LEDs are inactive



Electrical data		
Operating voltage	[V]	18...30 DC
Current consumption	[mA]	50; (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



IO-Link input/output module

IOL MOD PL 8XMP/DX E D M12 IP69K

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	
Number of digital inputs		16; (configurable)	
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	
Number of analog inputs		8; (configurable current/voltage input)	
Analog input (current)	[mA]	4...20	
Analog input (voltage)	[V]	0...10	
Resolution of analog input		16 Bit	
Precision analog input	[%]	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	
Interfaces			
Communication interface		IO-Link	
Transmission type		COM3 (230,4 kBaud)	
IO-Link revision		1.1	
SDCI standard		IEC 61131-9	

AL2507



IO-Link input/output module

IOL MOD PL 8XMP/DX E D M12 IP69K

SIO mode	no	
Required master port class	A	
Min. process cycle time [ms]	4	
Supported DeviceIDs	Type of operation	DeviceID
	Acyclic enhanced parametrisation	1449
	Acyclic parametrisation	1316
	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

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	
Degree of soiling	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 61000-6-3	
	IEC 61131-9	
Shock resistance	DIN EN 60068-2-27	
Vibration resistance	DIN EN 60068-2-64	
	DIN EN 60068-2-6	
MTTF [years]	59	

Mechanical data		
Weight [g]	410.9	
Dimensions [mm]	26 x 59.3 x 208	
Material	housing: PA grey; Socket: stainless steel (1.4404 / 316L)	
Sealing material	EPDM	
Tightening torque [Nm]	< 0.8	

Displays / operating elements		
Display	Power	4x LED, green
	fault	3 x LED, red
	Function	16x LED, yellow

AL2507



IO-Link input/output module

IOL MOD PL 8XMP/DX E D M12 IP69K

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



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

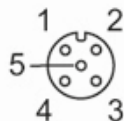


X1

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

Electrical connection - inputs / outputs

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



AL2507



IO-Link input/output module

IOL MOD PL 8XMP/DX E D M12 IP69K

X1.0...X1.7	
1:	L+ (UA) Sensor supply
2:	MP2 DI2/DO2
3:	L- (UA) Sensor supply
4:	MP1 DI1/DO1
5:	FE