

AL2303



IO-Link input/output module

IOL MOD SL 8XMP/DX B 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)
Max. current consumption from additional supply	[mA]	3600; (UA)

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	
Inputs			
Number of digital inputs		16; (configurable)	
Input circuit of digital inputs		PNP; (type 3 (IEC 61131-2))	
Sensor supply of the inputs		UA	
Подача напруги	[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; (configurable 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; (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		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		B	
Min. process cycle time	[ms]	4	
Supported DeviceIDs	Type of operation	DeviceID	
	Acyclic parametrisation	1406	
	Factory setting: parametrisation via Pdout	1405	
Note	Parameterisation 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	

Mechanical data

Weight	[g]	467.716
Dimensions	[mm]	26 x 59.3 x 208
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

Аксессуары

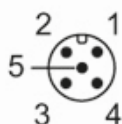
Accessories (optional)	protective cap for M12 sockets
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Remarks

Pack quantity	1 pcs.
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Electrical connection - IO-Link

Connector: 1 x M12; coding: A

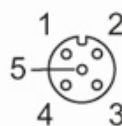


X1

1	+ 24 V DC (US)
2	+ 24 V DC (UA)
3	GND (US)
4	IO-Link
5	GND (UA)

Electrical connection - inputs / outputs

Connector: 8 x M12; coding: A; Sealing: FKM



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X1.0...X1.7

1	Sensor supply + 24 V DC (UA)
2	multifunctional input I2 digital output O2
3	Sensor supply GND (UA)
4	digital input/output I/O1
5	not used