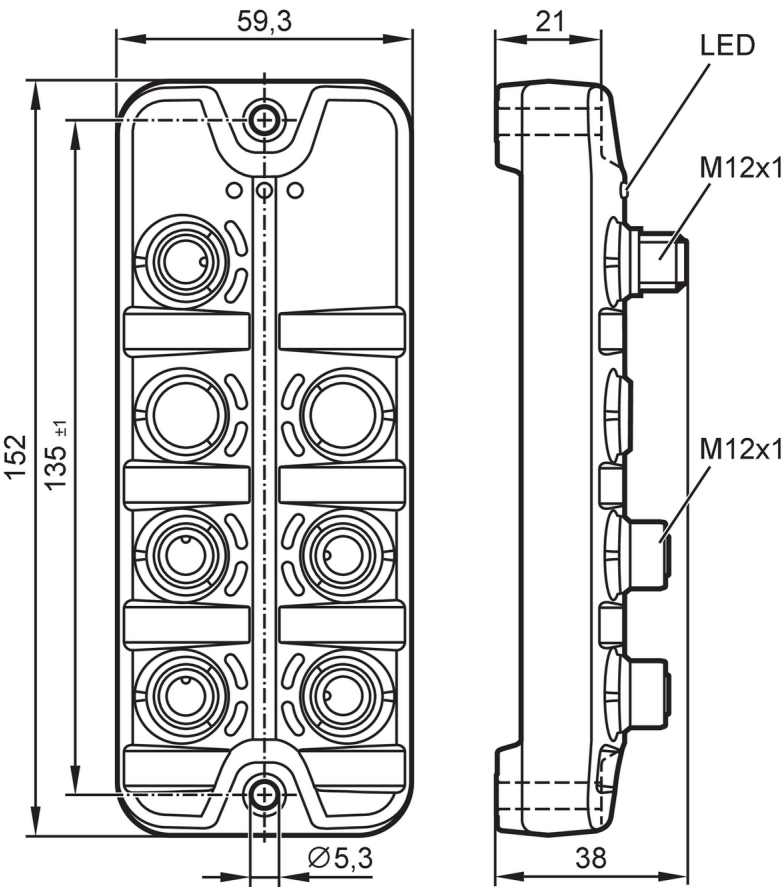


AL2250



IO-Link input/output module

IOL MOD SL 4XAI/AO A M12 IP69K



Depending on the version some LEDs are inactive



Electrical data

Operating voltage	[V]	18...28 DC
Current consumption	[mA]	< 700; (US)
Protection class		III

Sensor supply US

Max. current load total	[A]	0.4
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Inputs / outputs

Number of inputs and outputs	Number of analog inputs: 4; Number of analog outputs: 4
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Inputs

Number of analog inputs	4; (configurable)
Analog input (current)	[mA] 4...20
Input resistance	[Ω] 275
Analog input (voltage)	[V] 0...10
Input resistance	[kΩ] 70
Resolution of analog input	1 µA (4...20 mA); 1 mV (0...10 V)
Precision analog input	[%] ± 0,3

A/D converter

Resolution of analog input	16 bit
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IO-Link input/output module

IOL MOD SL 4XAI/AO A M12 IP69K

Outputs		
Number of analog outputs	4; (configurable)	
Analog current output [mA]	4...20	
Max. load [Ω]	600; (4...20 mA)	
Analog voltage output [V]	0...10	
Min. load [Ω]	1000; (0...10 V)	
Precision analog output [%]	± 0,3	
Short-circuit protection	yes	
Overload protection	yes	
Resolution of analog output	1 µA (4...20 mA);1 mV (0...10 V)	
D/A converters		
Resolution of analog output	16 bit	
Interfaces		
Communication interface	IO-Link	
Transmission type	COM3 (230,4 kBaud)	
IO-Link revision	1.1.4	
SDCI standard	IEC 61131-9	
Profiles	FWUP	Firmware Update for IO-Link Devices
	Common - I&D	Identification and Diagnosis
	Function	Locator
	Function	ProductURI
SIO mode	no	
Required master port class	A	
Min. process cycle time [ms]	2	
Supported DeviceIDs	Type of operation	DeviceID
	default	2007
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: IP69K)	
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 61000-6-3	
	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]	294	

AL2250



IO-Link input/output module

IOL MOD SL 4XAI/AO A M12 IP69K

Housing	rectangular
Type of mounting	Backplane mounting
Dimensions [mm]	152 x 59.3 x 38
Material	housing: PA grey; Socket: stainless steel (1.4404 / 316L)
Sealing material	EPDM

Displays / operating elements

Display	Power	2 x LED, green
	fault	3 x LED, red
	Function	8 x LED, yellow

Accessories

Accessories (optional)	protective cap for M12 sockets
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Remarks

Remarks	For information about installation and operation please see the operating instructions.
Pack quantity	1 pcs.

Electrical connection - IO-Link

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

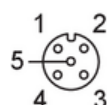


XC1

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

Electrical connection - inputs / outputs

Connector: 4 x M12; coding: A; Contacts: 5; sealing: EPDM



X1...X4

1	L+	
2	IN	AI
3	L-	
4	OUT	AO
5	FE	

AI: analog input; AO: analog output; FE: functional earth; DATA: Communication interface