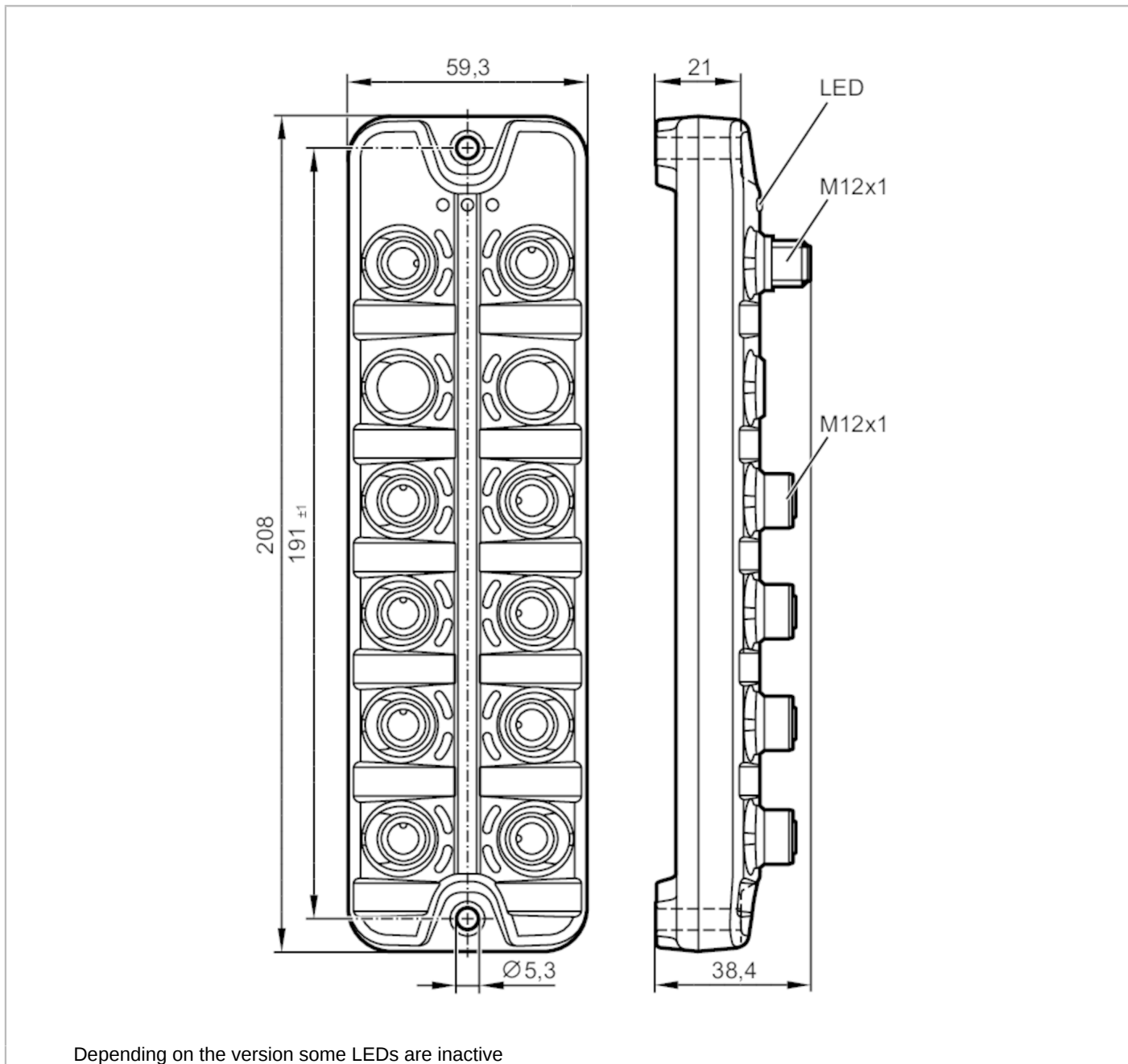


# AL2205



## IO-Link input/output module

IOL MOD SL 8XMP/DX E M12 IP69K



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]	4000; (UA; UAi: 400 mA)
Inputs / outputs	
Total number of inputs and outputs	16; (configurable)

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Number of inputs and outputs      Number of digital inputs: 16; Number of analog 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	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 of analog 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	AUX (UA)

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	
Supported DeviceIDs	<b>Type of operation</b>	<b>DeviceID</b>
	Acyclic enhanced parametrisation	1448
	Acyclic parametrisation	1316
	Factory setting: parametrisation via Pdout	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: parametrisation via Pdout		
Profiles	Common - I&D	Identification and Diagnosis

Operating conditions	
Ambient temperature [°C]	-25...60

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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]	46

### Mechanical data

Weight	[g]	407
Housing		rectangular
Type of mounting		Backplane mounting
Dimensions	[mm]	208 x 59.3 x 38.4
Material		housing: PA grey; Socket: stainless steel (1.4404 / 316L)
Sealing material		EPDM
Tightening torque	[Nm]	< 0.8

### Displays / operating elements

Display	Power	1 x LED, green
	fault	1 x LED, red
	Function	1 x LED, yellow

### Accessories

Accessories (optional)	protective cap for M12 sockets
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### Remarks

Pack quantity	1 pcs.
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### Electrical connection - AUX

Connector: 1 x M12; coding: A





## IO-Link input/output module

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## X31

1	+ 24 V DC (U <sub>Ai</sub> )
2	GND (U <sub>A</sub> /U <sub>Ai</sub> )
3	not used
4	+ 24 V DC (U <sub>A</sub> )

## Electrical connection - IO-Link

Connector: 1 x M12; coding: A

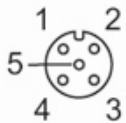


## X1

1	+ 24 V DC (U <sub>S</sub> )
2	not used
3	GND (U <sub>S</sub> )
4	IO-Link

## Electrical connection - inputs / outputs

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



## X1.0...X1.7

1	Sensor supply + 24 V DC (U <sub>A</sub> /U <sub>Ai</sub> )
2	multifunctional input I2 Digital output O2
3	GND (U <sub>A</sub> /U <sub>Ai</sub> )
4	digital input/output I1/O1
5	not used