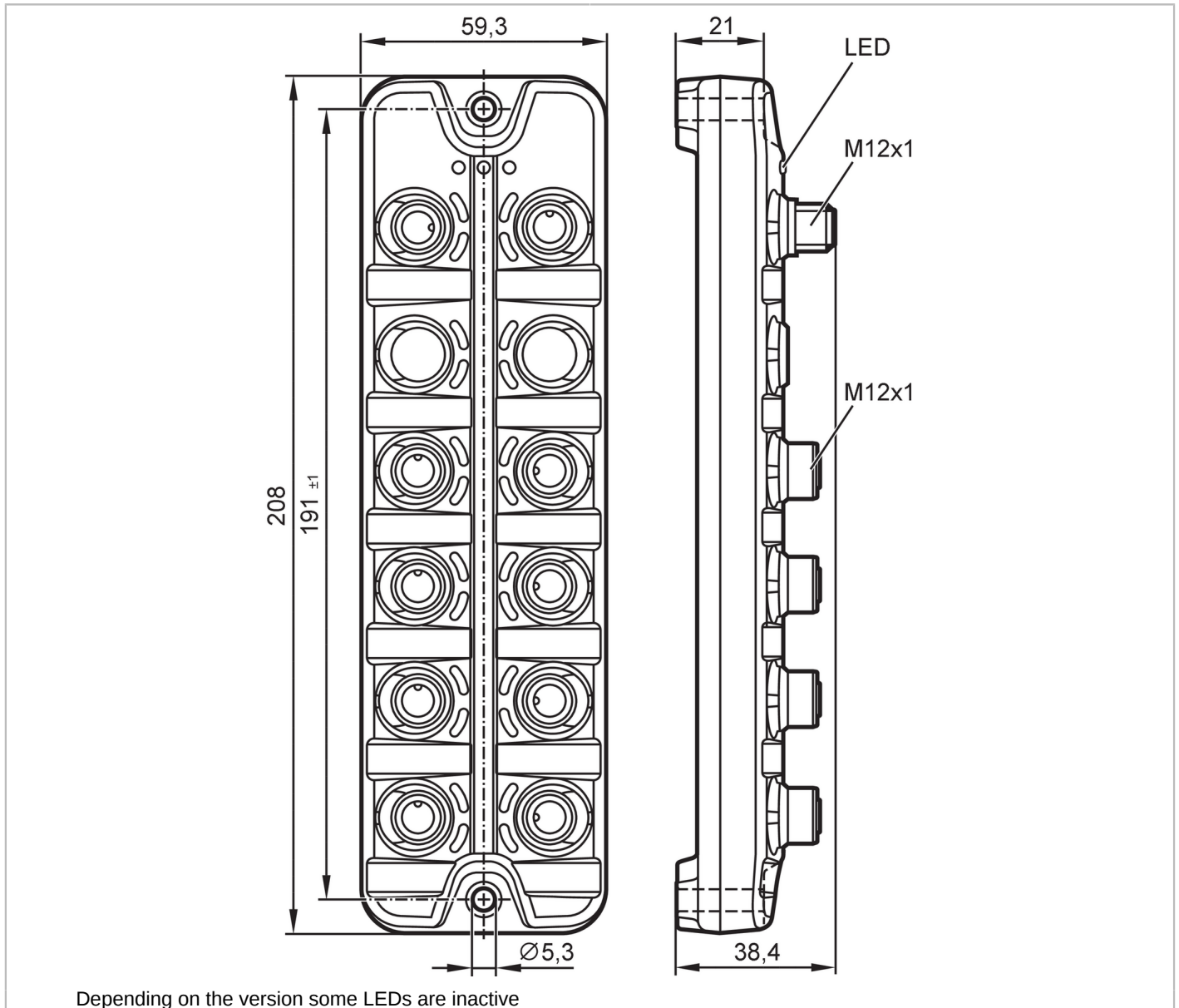


# AL2205



## IO-Link input/output module

IOL MOD SL 8XMP/DX E M12 IP69K



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)
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)



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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; (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		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 type		A
Min. process cycle time	[ms]	4

Supported DeviceIDs	Type of operation	DeviceID
	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 under "Downloads"	
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## Acyclic enhanced parametrisation

Profiles	Common - I&D	Identification and Diagnosis
	Function	Multiple switching signal

## Acyclic parametrisation

Profiles	Common - I&D	Identification and Diagnosis
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## Factory setting: parametrisation via Pdout

Profiles	Common - I&D	Identification and Diagnosis
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## 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)

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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	
MTTF [years]		46

### Mechanical data

Weight [g]		407
Housing		rectangular
Type of mounting		backplane mounting
Dimensions [mm]		208 x 59.3 x 38.4
Materials		housing: PA grey; socket: stainless steel (316L/1.4404)
Sealing material		EPDM
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
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### Remarks

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

Connector: 1 x M12; coding: A

### 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

# AL2205



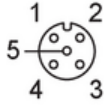
## IO-Link input/output module

IOL MOD SL 8XMP/DX E M12 IP69K

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: EPDM



X1.0...X1.7	
1	Sensor supply + 24 V DC (UA/UAi)
2	multifunctional input I2 digital output O2
3	GND (UA/UAi)
4	digital input/output I1/O1
5	not used