

Part number:

**HYDROMA**

HYDRAULICKÉ SYSTÉMY

**HIDROMA**  
SYSTEMS

UKŁADY HYDRAULICZNE

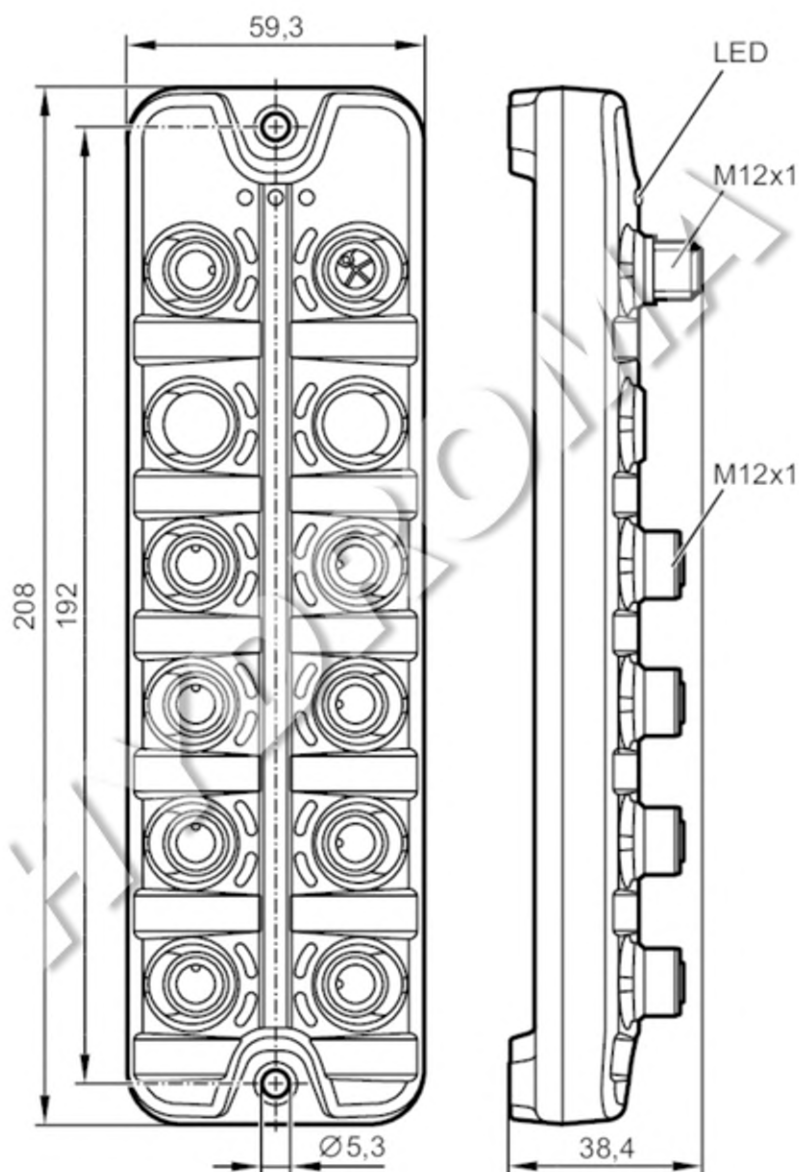
**HYDROMA**

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

## AL2605

### IO-Link input/output module

IOL MOD PL 8XMP/DX E 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 UAi)
Max. current consumption from additional supply	[mA]	16000; (UA; UAi: 800 mA)

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Inputs / outputs		
Total number of inputs and outputs	16	
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	AUX (UA, UAi)	
Power supply [V]	18...30	
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]	2000	
Max. current load outputs total [A]	16	
Short-circuit protection	yes	
Actuator supply outputs	AUX (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	A	
Min. process cycle time [ms]	4	
Supported DeviceIDs	Type of operation	DeviceID
	Factory setting: parametrisation via PDout	1315
	Acyclic parametrisation	1316
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	
Degree of soiling	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
MTTF	[years]	35

Mechanical data		
Weight	[g]	394
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

Accessories	
Accessories (optional)	protective cap for M12 sockets

Remarks	
Pack quantity	1 pcs.

Electrical connection - AUX	
Connector: 1 x M12; coding: L	



X31	
1	+ 24 V DC (UAi)
2	GND (UA/UAi)
3	not used
4	+ 24 V DC (UA)
5	functional earth

Electrical connection - IO-Link	
Connector: 1 x M12	

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### 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: FKM



### X1.0...X1.7

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