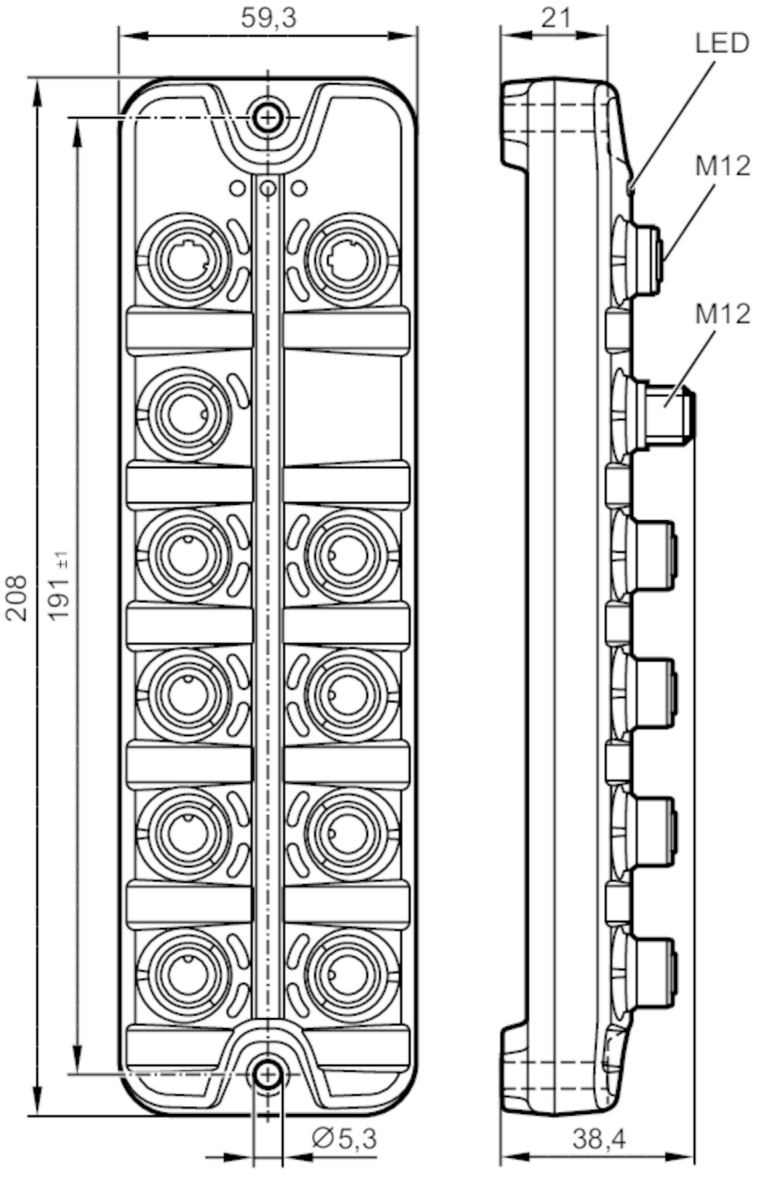
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Ethernet module with EtherNet/IP interface

ETH Module SL EIP 16DI IP69K



Application		
Application		hygienic systems; I/O modules for field applications
Daisy-chain function		fieldbus interface
Electrical data		
Operating voltage	[V]	20...28 DC; (US ; to SELV/PELV)
Current consumption	[mA]	200...3900; (cULus: 200 ... 3500; US)
Protection class		III
Max. current load total	[A]	3.6
Overall current rating (UL)	[A]	3.2

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Inputs / outputs			
Number of inputs and outputs		Number of digital inputs: 16	
Inputs			
Number of digital inputs		16; (type 2 according to IEC 61131-2)	
Switching level high	[V]	11...30	
Switching level low	[V]	0...5	
Digital inputs protected against short circuits		yes	
Software / programming			
Parameter setting options		counter function	
Functions and parameters		function	CTU (Up Counter), CTD (Down Counter), CTUD (Up-Down Counter), CTDIR (Direction Counter)
		number	8 (1 counter for each port)
		count frequency	4500 Hz
		main counter	32 Bit (0…4.294.967.295)
		batch counter	16 Bit (0…65.535)
Interfaces			
Communication interface		Ethernet	
Ethernet - EtherNet/IP			
Transmission standard		10Base-T; 100Base-TX	
Transmission rate		10 MBit/s; 100 MBit/s	
Protocol		EtherNet/IP	
Factory settings		IP address: 192.168.1.250	
		subnet mask: 255.255.255.0	
		gateway IP address: 0.0.0.0	
		MAC address: see type label	
Note on interfaces		DHCP, BOOTP, static	
		DLR (Device Level Ring)	
		Supported network topologies: line	
		ring	
Operating conditions			
Ambient temperature	[°C]	-25...60	
Storage temperature	[°C]	-25...85	
Max. relative air humidity	[%]	90	
Protection		IP 65; IP 66; IP 67; IP 69K; (operation with stainless steel protective caps: IP 69K)	
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 61000-6-4	
Shock resistance		DIN EN 60068-2-27	
Vibration resistance		DIN EN 60068-2-64 2009-04	
		DIN EN 60068-2-6 2008-10	

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MTTF	[years]	130
Mechanical data		
Weight	[g]	419.9
Materials		housing: PA grey; socket: stainless steel (1.4404 / 316L)
Sealing material		EPDM
Accessories		
Items supplied		Protective cap: 1 x M12, stainless steel, E12542
Remarks		
Remarks		For further information please see the operating instructions.
Pack quantity		1 pcs.

Electrical connection - Ethernet

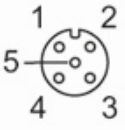
Connector: M12; coding: D; Sealing: EPDM



IN / OUT X21, X22	
1	TX +
2	RX +
3	TX -
4	RX -
5	not used

Electrical connection - Process connection

Connector: M12; coding: A; Sealing: EPDM



Digital Input X01...X08	
1	Sensor supply (US) L+
2	digital input 2
3	Sensor supply (US) L-
4	digital input 1
5	functional earth

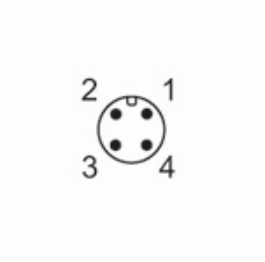
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Ethernet module with EtherNet/IP interface

ETH Module SL EIP 16DI IP69K

Electrical connection - power supply

Connector: M12; coding: A



X31	
1	+ 24 V DC (US)
2	not used
3	GND (US)
4	not used