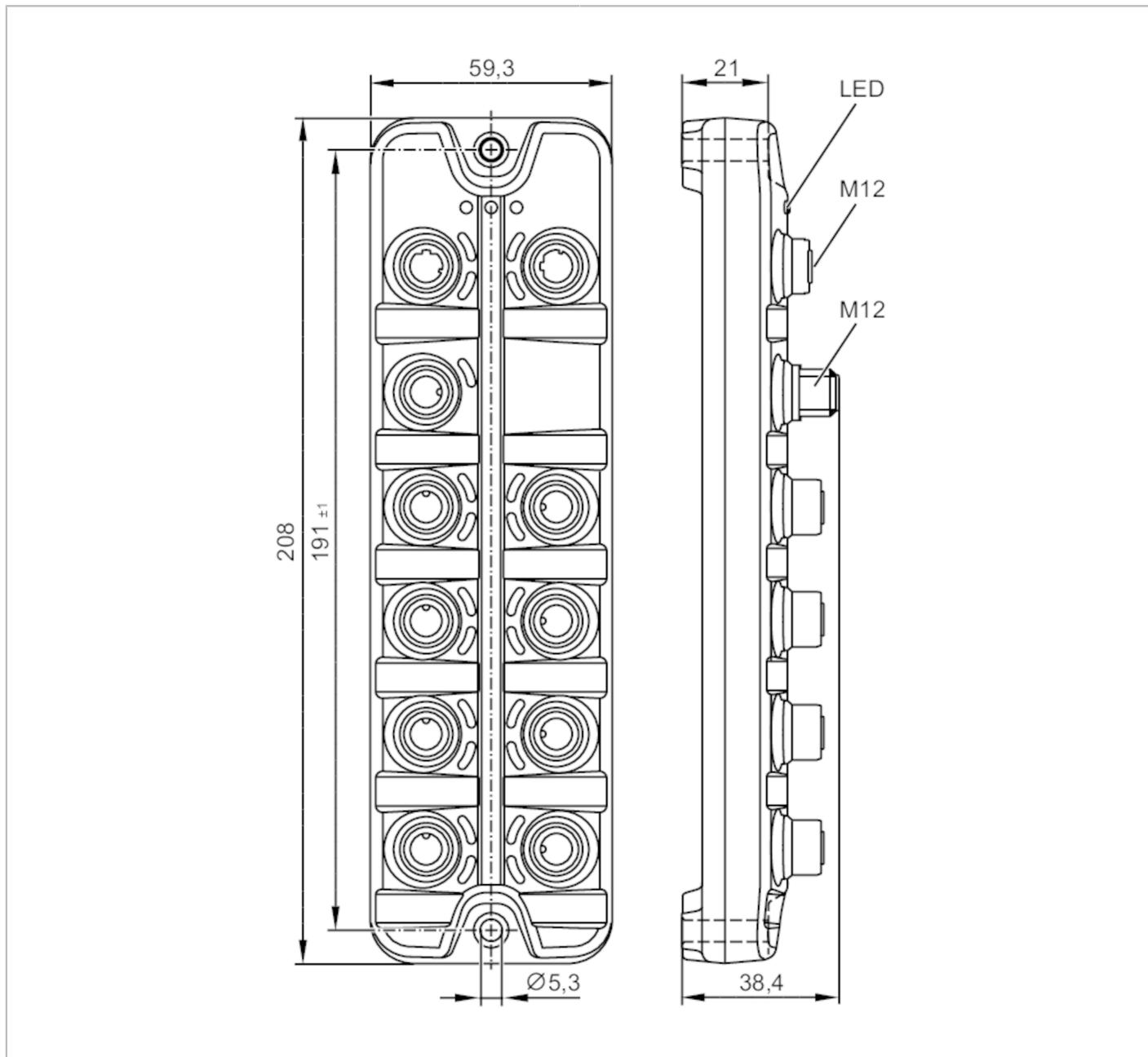


AL4022



Ethernet module with EtherNet/IP interface

ETH Module SL EIP 16DI IP67



Application

Application	I/O modules for field applications
Daisy-chain function	fieldbus interface

Electrical data

Operating voltage	[V]	20...30 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

Ethernet module with EtherNet/IP interface

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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	[M]	11...30
Switching level low	[M]	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
Protection rating (NEMA 250)		6P
Pollution degree		2
Chemical media	ISO 16750-5	AA, BA, BD, 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	

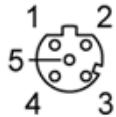
Ethernet module with EtherNet/IP interface

ETH Module SL EIP 16DI IP67

MTTF	[years]	130
Mechanical data		
Weight	[g]	405.1
Materials		housing: PA orange; socket: brass nickel-plated
Sealing material		FKM
Remarks		
Remarks		For further information please see the operating instructions.
Pack quantity		1 pcs.

Electrical connection - Ethernet

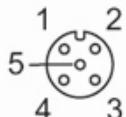
Connector: M12; coding: D; Sealing: FKM

**IN / OUT X21, X22**

- | | |
|---|----------|
| 1 | TX + |
| 2 | RX + |
| 3 | TX - |
| 4 | RX - |
| 5 | not used |

Electrical connection - Process connection

Connector: M12; coding: A; Sealing: FKM

**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 |

Ethernet module with EtherNet/IP interface

ETH Module SL EIP 16DI IP67

Electrical connection - power supply

Connector: M12; coding: A



X31

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