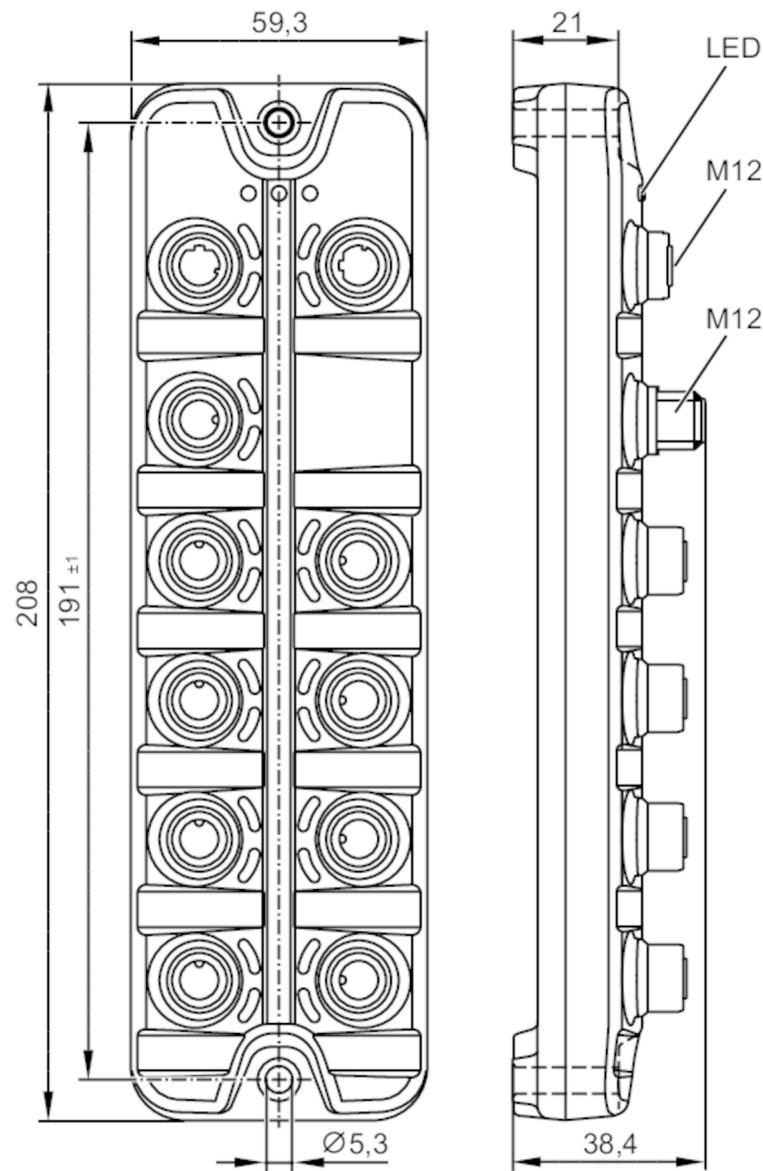


AL4222



Ethernet module with EtherNet/IP interface

ETH Module SL EIP 8DO 8DI 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]	300...3900
Protection class		III
Additional voltage supply	[V]	20...30 DC; (UA)
Actuator supply UA		
Max. current load total	[A]	4



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Current rating per port	[A]	3.6	
Sensor supply US			
Max. current load total	[A]	3.6	
Current rating per port	[A]	3.6	
Inputs / outputs			
Number of inputs and outputs	Number of digital inputs: 8; Number of digital outputs: 8		
Inputs			
Number of digital inputs	8; (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		
Outputs			
Number of digital outputs	8		
Short-circuit proof	yes		
Actuator supply UA			
Max. current load per output	[mA]	3600	
Software / programming			
Parameter setting options	Counter function		
Functions and parameters	Function	CTU (Up Counter), CTD (Down Counter), CTUD (Up-Down Counter), CTDIR (Direction Counter)	
	switching function (SSC)	single point, two point, window, latch	
	number	4 (1 counter for each input 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	



Ethernet module with EtherNet/IP interface

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Protection	IP 65; IP 66; 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

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	

Mechanical data

Weight	[g]	413.3
Housing	rectangular	
Type of mounting	Backplane mounting	
Dimensions	[mm]	208 x 59.3 x 38.4
Material	housing: PA orange; Socket: brass nickel-plated	
Sealing material	FKM	

Remarks

Remarks	Further information is available in the manual.	
Pack quantity	1 pcs.	

Electrical connection - Ethernet

Connector: M12; coding: D; sealing: FKM

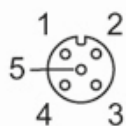


IN / OUT XF1, XF2

1:	TX +
2:	RX +
3:	TX -
4:	RX -
5:	n.c.

Electrical connection - inputs / outputs

Connector: M12; coding: A; sealing: FKM



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Ethernet module with EtherNet/IP interface

ETH Module SL EIP 8DO 8DI IP67

Digital Output X1...X4

1:	n.c.
2:	OUT2 DO2 (UA)
3:	L - (UA)
4:	OUT1 DO1 (UA)
5:	FE

Digital Input X5...X8

1:	L + (US)
2:	IN2 DI2
3:	L - (US)
4:	IN1 DI1
5:	FE

Electrical connection - voltage supply IN

Connector: M12; coding: A



XD1

1:	L + (US)
2:	L - (UA)
3:	L - (US)
4:	L + (UA)