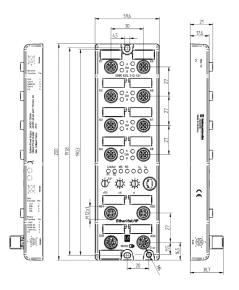
## LioN-Power Active I/O M12, M12 Power (L-coded), EtherNet/IP, 16DO





Туре	0980 ESL 312-121	0980 ESL 312-121		
Product Description		LioN-P EtherNet/IP device, 16 digital output channels with galvanic isolation, M12 LAN connection, 4-poles, D-coded, M12 L-coded power supply, 5-poles		
Diagnostic indiction				
LED	Indication	Condition		
18 A	Yellow	Channel status		
18 DIA A	Red	Peripheral fault		
18 B	White	Channel status		
18 DIA B	Red	Peripheral fault		
	Green	Connection to an Ethernet subscriber		
P1 Lnk/Act	Green blinking	IO device is in data exchange		
	Off	No connection to another subscriber		
	Green	Connection to an Ethernet subscriber		
P2 Lnk/Act	Yellow blinking	10 device is in data exchange		
	Off	No connection to another subscriber		
	Green	Module is ready		
	Green blinking	Incorrect configuration		
MS (Module Status)	Red-Green blinking	Self-test is carried out		
	Red blinking	Firmware update		
	Off	Device is switched off		
NS (Network Status)	Green blinking	IP address present		
	Green	Connection to the master is present		
	Red blinking	At least one connection has timed out		
	Red	IP address is already used by another device		
	Red-green blinking	Self-test is carried out		
	Off	Device is switched off		
U <sub>s</sub>	Green	Voltage 19V <=U <sub>s</sub> <= 30V		
•	Red	U <sub>s</sub> Voltage < 19V or U <sub>s</sub> > 30V		
U <sub>L</sub>	Green	Voltage 19V <=U <sub>1</sub> <= 30V		
=	Red	U, Voltage < 19V or U, > 30V		

Bit assignment								
Bit	7	6	5	4	3	2	1	0
Output Data: 16DO								
Byte 0	4B	4A	3B	3A	2B	2A	1B	1A
Byte 1	8B	8A	7B	7A	6B	6A	5B	5A

M12 Power connector, L-coded

2 = GND UL

3 = GND 0V 4 = +24V UL

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0980 ESL 312-121

M12 I/O port, A-coded

 $\begin{array}{l} 1=+24V\\ 2=0ut\ B \end{array}$ 3 = GND 0V 4 = Out A

M12 EtherNet/IP, D-coded

Part number

Order number

934839002

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## LioN-Power Active I/O M12, M12 Power (L-coded), EtherNet/IP, 16DO

Technical Data	
Environmental Temperature	-20° C to +70° C (Operation)
Housing Material	Metal Zinc Die-cast
Contact beater	PA
Contact	M12 A, D-coded CuSn, Gold-plated M12 L-coded CuNi, Gold-plated
0-ring	FKM
Mechanical Data	
Weight	500 g
Protection Class (IEC 60529)	IP65, IP67, IP69K (only if mounted and locked in combination with Hirschmann/Lumberg connector)
Module Supply	
Rated Voltage	24V DC
Voltage Range	19 to 30V DC
Nominal Current	16 A
Connection Type	M12 Power, 5-poles, L-coded
Number	2
Bus-System	
Network	EtherNet/IP
Transmission Rate	10/100 Mbit/s
Address Range	0 to 255
Connection Type	M12 LAN connection, 4 poles, D-coded
Number	2
Outputs	
Number of Digital Channels	16
Actoric Current	2 A per channel
Actoric Current (max.)	9 A
Short-circuit Proof	yes
Channel Type N.O.	p-switching
Status Indicator	LED white or yellow per channel
Diagnostic Indicator	LED red per port

The application of these products in harsh environments should always be checked before use.

Specifications subject to alteration.