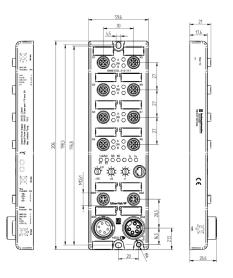
## LioN-Power Active I/O M12, 7/8" Power, EtherNet/IP, 16DO





Туре	0980 ESL 312-111	0980 ESL 312-111		
Product Description		LioN-P EtherNet/IP device, 16 digital output channels with galvanic isolation M12 LAN connection, 4-poles, D-coded, 7/8" 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		
P2 Lnk/Act	Green	Connection to an Ethernet subscriber		
	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		
	Green blinking	IP address present		
NS (Network Status)	Green	Connection to master is present		
	Red	At least one connection has timed out		
	Red blinking	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>L</sub> <= 30V		
	Red	U <sub>i</sub> Voltage < 19V or U <sub>i</sub> > 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

Pin	assi	anm	ent	

M12 I/O port, A-coded

1 = +24V 2 = Out B 3 = GND 0V 4 = Out A 5 = FE

Power supply 7/8"

1 = GND UL 2 = GND 0V 3 = FE4 = +24V

M12 EtherNet/IP, D-coded



Part number 0980 ESL 312-111 Order number

934880002

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## LioN-Power Active I/O M12, 7/8" Power, EtherNet/IP, 16DO

Technical Data		
Environmental Temperature	-20° C to +70° C (Operation)	
Housing Material	Metal Zinc Die-cast	
Contact Bearer	PA/TPU	
Contact	M12 A, D-coded CuSn, Gold-plated 7/8" CuZn, Gold-plated	
0-ring	FKM	
Mechanical Data		
Weight	520 g	
Protection Class (IEC 60529)	IP65, IP67 (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	9 A	
Connection Type	7/8" power connector, 5 poles	
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.

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Lumberg Automation: 0980 ESL 312-111