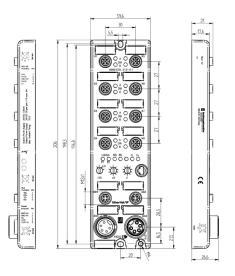
LioN-Power Active I/O M12, 7/8" Power, EtherNet/IP, 16DO





rype	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			
P1 Lnk/Act	Green	Connection to an Ethernet subscriber			
	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	IO 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			
	Green	Connection to master is present			
NS (Network Status)	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 _e	Green	Voltage 19V <=U _s <= 30V			
·	Red	U _s Voltage < 19V or U _s > 30V			
U,	Green	Voltage 19V <=U _i <= 30V			
-	Red	U, Voltage < 19V or U, > 30V			

Bit assignment Section 1997									
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 assignment

M12 I/O port, A-coded

1 = +24V2 = 0ut 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

Order number

0980 ESL 312-111

934880002

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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.