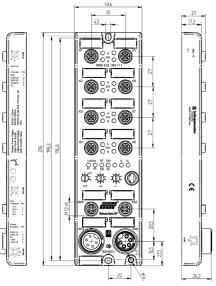
## LioN-Power Active I/O M12, 7/8" Power, Multi-protocol, 8DI/8DO





Туре	0980 ESL 393-111
Product Description	LioN-P Multi-protocol module, PROFINET or EtherNet/IP device, 8 digital input and 8 digital output channels with galvanic isolation, M12 LAN connection, 4-poles, D-coded, 7/8" power supply, 5-poles
Diagnostic indiction	

		37 1
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
	Green	Connection to an Ethernet subscriber
P2 Lnk/Act	Yellow blinking	IO device is in data exchange
	Off	No connection to another subscriber
BF	Red	Bus fault, no communication
	Off	No fault present
	Red	Collective display peripheral fault
DIA	Red blinking	Firmware update
	Off	No fault present
	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 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
J	Red	$U_s$ Voltage < 19V or $U_s$ > 30V
U <sub>L</sub>	Green	Voltage 19V <=U <sub>L</sub> <= 30V
	Red	U <sub>1</sub> Voltage < 19V or U <sub>1</sub> > 30V

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

### Pin assignment

M12 I/O port, A-coded

0980 ESL 393-111

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

#### Power supply 7/8"

2 = GND 0V 3 = FE 4 = +24V 5 = +24V UL

934882003

1 = GND UL

#### M12 PROFINET, EtherNet/IP, D-coded



Part number Order number

# Be Certain with Belden

## LioN-Power Active I/O M12, 7/8" Power, Multi-protocol, 8DI/8DO

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, 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	9 A			
Connection Type	7/8" power connector, 5 poles			
Number	2			
Bus-System				
Network	PROFINET, EtherNet/IP			
Transmission Rate	10/100 Mbit/s			
Address Range	0 to 255 (not applicable if in PROFINET mode)			
Connection Type	M12 LAN connection, 4 poles, D-coded			
Number	2			
Outputs				
Number of Digital Channels	8			
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			
Inputs				
Number of Digital Channels	8			
Туре	Type 3 acc. IEC 61131-2			
Sensor Type	PNP			
Status Indicator	LED white or yellow per channel			
Diagnostic Indicator	LED red per port			
Sensor Current Supply	200 mA per port			

The application of these products in harsh environments should always be checked before use. Specifications subject to alteration.