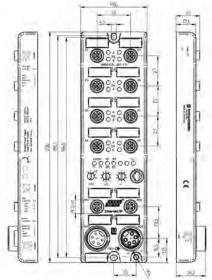
Be Certain with Belden



LioN-Power Active I/O M12, 7/8" Power, Multi-protocol, 16DI





Туре	0980 ESL 391-111	0980 ESL 391-111				
Product Description		LioN-P Multi-protocol module, PROFINET or EtherNet/IP device, 16 digital input channels, 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 Green blinking Off	Connection to an Ethernet subscriber 10 device is in data exchange 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					
BF	Red Bus fault, no communication Off No fault present					
DIA	Red Red blinking Off	Collective display peripheral fault Firmware update No fault present				
MS (Module Status)	Green Green blinking Red-Green blinking Red blinking Off	Module is ready Incorrect Configuration Self-test is carried out Firmware update Device is switched off				
NS (Network Status)	Green blinking Green Red Red blinking Red-Green blinking Off	IP address present Connection to master is present At least one connection has timed out IP address is already used by another device Self-test is carried out Device is switched off				
U _s	Green Red	and the second s				

Bit assignment									
Bit	7	6	5	4	3	2	1	0	
Input Data: 16DI									
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 = +24V 2 = In B

3 = GND 0V 4 = In A

Power supply 7/8"

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

1 = TD+ 2 = RD+ 3 = TD-4 = RD-

M12 PROFINET, EtherNet/IP, D-coded

Part number

Order number

0980 ESL 391-111

934882001



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Technical Data	la de la companya de
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	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
Inputs	
Number of Digital Channels	16
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.