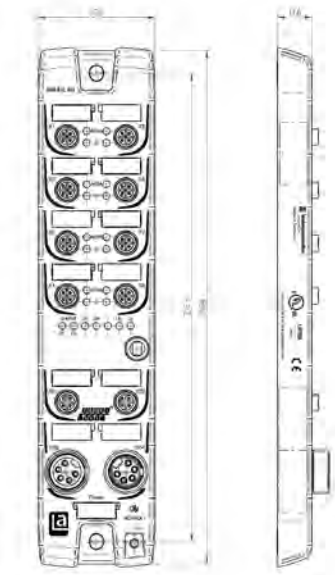
LioN-R PROFINET I/O Rugged Modules with 16 Digital Inputs



Type	0980 ESL 801-PNET 16DI-M12-R	
Product Description	LioN-R Digital input module, 16 digital input channels, PROFINET device, M12 LAN port, 4 poles D-coded, 7/8" power supply 5 poles	
Order Number	934 692-001	
Diagnostic indiction		
LED	**Indication**	**Condition**
Us	Green	Logic/sensor power supply
UL	Green	Actuator power supply
1...8 A	Yellow	Channel status
1...8 DIA A	Red	Periphery error
1...8 B	Yellow	Channel status
1...8 DIA B	Red	Periphery error
P1 Lnk/Act	Green Yellow flashing Off	Connection to an PROFINET device IO device exchanging data No connection to any other device
P2 Lnk/Act	Green Yellow flashing Off	Connection to an PROFINET device IO device exchanging data No connection to any other device
BF	Red Off	Bus error, no data exchange with I/O controller via PROFINET No error message
DIA	Red Red flashing Off	Common indicator for periphery errors Firmware update No error message

Technical modifications reserved.

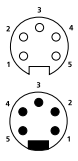
Bit assignment								
Bit	**7**	**6**	**5**	**4**	**3**	**2**	**1**	**0**
	M12 Input 16DI							
Byte 0	4B	4A	3B	3A	2B	2A	1B	1A
Byte 1	8B	8A	7B	7A	6B	6A	5B	5A

Pin assignment

LAN connection M12, D-coded

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

Power supply 7/8"



1 = GND (0 V)
2 = GND (0 V)
3 = PE/Earth
4 = 24 V
5 = 24 V

Input/Output M12

1 = +24 V
2 = IN B
3 = GND (0 V)
4 = IN A
5 = earth
Housing = PE

Part number	Order number
0980 ESL 801-PNET 16DI-M12-R	**934 692-001**

LioN-R PROFINET I/O Rugged Modules with 16 Digital Inputs

Product Description	
Type	**0980 ESL 801-PNET 16DI-M12-R**
Technical Data	
Protection Class	IP67
Operating Temperature Range	-10°C to +60°C
Weight	605 g
Housing Material	Metal (diecast zinc)
Bus System	
Transmission Rate	10/100 Mbs
Address Range	0 to 255
Default Address	0
Inputs	
Rated Input Voltage	24 V DC
Sensor Type	PNP (source)
Power Consumption of Sensor	Max. 100 mA
Reverse Polarity Protection	Yes
Short Circuit-proof	Yes
Number of Digital Channels	16
Status Indicator	LED white per channel
Diagnostic Indicator	LED red per port
Included in Delivery	
M12 Dust Covers	4 pieces
Attachable Labels	10 pieces

The use of these products in aggressive media should be verified in each case. Technical modifications reserved.
Certifications have been applied for UL and CSA.