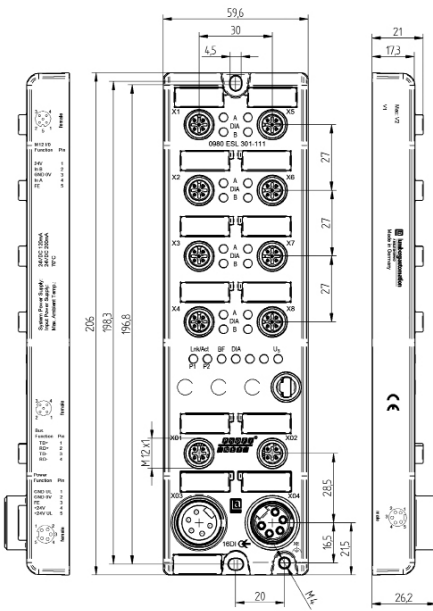


LioN-Power Active I/O M12, 7/8" Power, PROFINET, 16DI



Type	0980 ESL 301-111	
Product Description	LioN-P PROFINET device, 16 digital input channels, M12 LAN connection, 4-poles, D-coded, 7/8" power supply, 5-poles	
Diagnostic indication		
LED	Indication	Condition
1...8 A	Yellow	Channel status
1...8 DIA A	Red	Peripheral fault
1...8 B	White	Channel status
1...8 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
BF	Red	Bus fault, no communication
	Off	No fault present
DIA	Red	Collective display peripheral fault
	Red blinking	Firmware update
	Off	No fault present
U _s	Green	Voltage 19V <= U _s <= 30V
	Red	U _s Voltage < 19V or U _s > 30V

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	Power supply 7/8"	M12 PROFINET, D-coded
1 = +24V 2 = In B 3 = GND OV 4 = In A 5 = FE	1 = GND UL 2 = GND OV 3 = FE 4 = +24V 5 = +24V UL	1 = TD+ 2 = RD+ 3 = TD- 4 = RD-

Part number	Order number
0980 ESL 301-111	934881001

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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
O-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
Transmission Rate	10/100 Mbit/s
Connection Type	M12 LAN connection, 4 poles, D-coded
Number	2
Inputs	
Number of Digital Channels	16
Type	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.

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