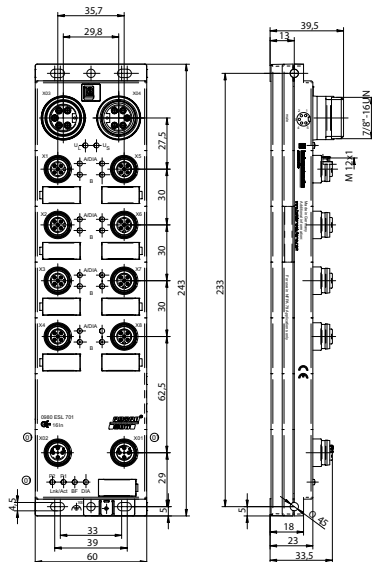


Lio-M PROFINET I/O Modules with 16 Digital Inputs



Type	0980 ESL 701	
Product Description	LioN-M ProfiNet device with 16 digital input channels, M12 socket, rotary address switches for addressing, M12 LAN-Ports, D-coded, 7/8" power supply	
Diagnostic indication		
LED	Indication	Condition
1...8 A	Yellow	Channel status 1
1...8 DIA A	Red	Periphery fault
1... 8 B	Yellow	Channel status 2
Us	Green Off	Sensor power supply applied Sensor power supply missing
UL	Green Off	Actuator power supply applied Actuator power supply missing
P1 Lnk/Act	Green Yellow flashing	Connected to an PROFINET device I/O device exchanging data
P2 Lnk/Act	Green Green flashing	Connected to an PROFINET device I/O device exchanging data
MS (Module status)	Green Green flashing Red/Green flashing Red flashing Off	Device is ready for operating Wrong configuration Self test is running Firmware update Device is off
NS (Network status)	Green Green flashing Red Red flashing Off	Connection to master exists IP address exists, but no connection to the master IP address is used by a different device Connection has timed out Device is off

Bit assignment								
DIA	7	6	5	4	3	2	1	0
	M12 Input							
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	Power supply 7/8"	Input/Output M12
1 = TD+ 2 = RD+ 3 = TD- 4 = RD Housing = shielding	1 = GND (0 V) 2 = GND (0 V) 3 = PE/Earth 4 = 24 V sensors 5 = 24 V actuators	1 = +24 V 2 = IN/OUT B 3 = GND (0 V) 4 = IN/OUT A 5 = earth Housing = PE

Part number	Order number
0980 ESL 701	0980 ESL 701



Be Certain with Belden



LioN-M PROFINET I/O Modules with 16 Digital Inputs

Environmental	
Degree of protection	IP 67
Operating temperature range	-10°C (+14°F) to +60°C (+140°F)
Mechanical	
Weight	380 g
Housing material	PBT
Bus system	PROFINET
Transmission rate	10/100 Mbs
Address range	0 - 255
Rotary address switches	0 - 255
Default address	0
System/Sensors power supply	
Nominal voltage	24V DC
Voltage range	11–30 V DC
Power consumption	typ. 90 mA
Reverse polarity protection	yes
Input power supply	
Voltage range	19–30 V DC
Sensor current	200 mA per port (at Tamb 30°C)
Short-circuit proof	yes
Indication	LED green
Inputs	
Rated input voltage	24 V DC
Channel type N.O.	p-switching
Number of digital channels	max. 16
Channel status indicator	LED yellow per channel
Diagnostic indication	LED red per socket
Included in delivery/accessories	
Dust covers M12	4 pieces
Attachable labels	10 pieces

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

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