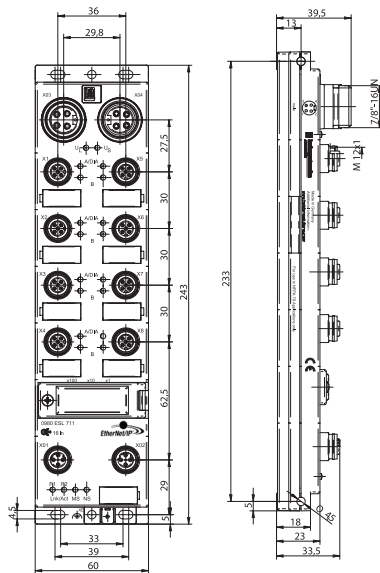


LioN-M EtherNet/IP I/O Modules with 16 Digital Inputs



Type	0980 ESL 711	
Product Description	LioN-M EtherNet/IP Device with 16 digital inputs, 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
1... 8 DIA B	Red	Periphery fault
Us	Green Off	Sensor power supply applied Sensor power supply missing
P1 Lnk/Act	Green Yellow flashing	Connected to an Ethernet device I/O device exchanging data
P2 Lnk/Act	Green Green flashing	Connected to an Ethernet 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
<p>1 = TD+ 2 = RD+ 3 = TD- 4 = RD Housing = shielding</p>	<p>1 = +24V Actuators¹ 2 = +24V System/Sensors 3 = GND (0V) System/Sensors 4 = GND (0V) Actuators Housing = FE ¹ In 16DI devices only for pass through</p>	<p>1 = +24V 2 = IN B 3 = GND (0V) 4 = IN A 5 = earth Housing = PE</p>

Part number	Order number
0980 ESL 711	0980 ESL 711



LioN-M EtherNet/IP 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	EtherNet/IP
Vendor ID	21
Device ID	710
EDS-File	EDS-v3.9 - LumbergAutomation-0980ESL710-20110420.eds (or later)
Transmission rate	10/100 Mbps
Address range	0-255
Rotary address switches	0-255
Default address	1
System/Sensors power supply	
Nominal voltage	24V DC
Voltage range	11–30V DC
Power consumption	typ. 90 mA
Reverse polarity protection	yes
Input power supply	
Voltage range	19–30V DC
Sensor current	200 mA per port (at Tamb 30° C)
Short-circuit proof	yes
Indication	LED green
Inputs	
Inputs	Type 3 acc. to IEC 61131-3
Rated input voltage	24V 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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Lumberg Automation:](#)

[0980 ESL 711](#)