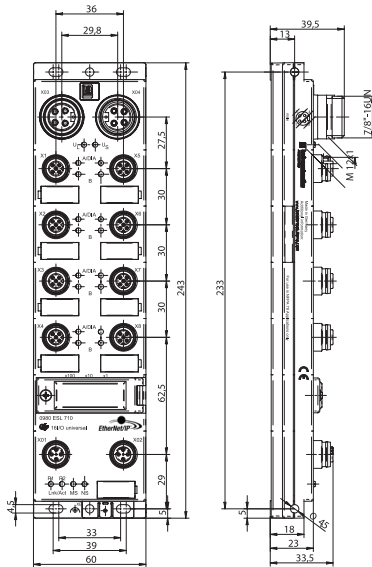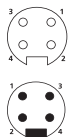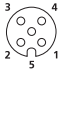# LioN-M EtherNet/IP I/O Modules with 16 Digital Inputs and 16 Digital Outputs

Type	0980 ESL 710
Product Description	LioN-M EtherNet/IP Device with 16 digital I/O channels, channels can be used universally as inputs or outputs, M12 socket, rotary address switches for addressing, M12 LAN-Ports, D-coded, 7/8" power supply.

Diagnostic indiction		
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
UL	Green Off	Actuator power supply applied Actuator 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
M12 Output								
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 = +24V Actuators
2 = +24V System/Sensors
3 = GND (0V) System/Sensors
4 = GND (0V) Actuators
Housing = FE

Input/Output M12

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

Part number	Order number
0980 ESL 710	0980 ESL 710

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

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 Mbs
Address range	0-255
Rotary address switches	0-255
Default address	1
System/Sensors power supply	**System power supply**
Nominal voltage	24V DC
Voltage range	11–30V DC
Power consumption	typ. 90 mA
Reverse polarity protection	yes
Input power supply	**Us**
Voltage range	19–30V DC
Sensor current	200 mA per port (at T_{amb} 30° C)
Short-circuit proof	yes
Indication	LED green
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
Output power supply	**UL**
Rated voltage	24V DC
Voltage range	19–30V DC
Reverse polarity protection	yes/antiparallel diode
Indication	LED green
Outputs	
Rated output current	1.6 A per channel
Short-circuit proof	yes
Max. output current	9 A (12 A*) per module

*Test proven and approved under the following conditions:
· looped through System/Sensor power supply max. 2.5 A
· Power supply cable STL 204 (5x1.00 mm²)
· Operating temperature range max. 40° C

Overload-proof	yes
Number of digital channels	max. 16
Channel type N.O.	p-switching
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.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Circular Metric Connectors *category:*

Click to view products by Lumberg *manufacturer:*

Other Similar products are found below :

600X518037X 6STD15PCR99B70A 8R4000A16M020 8R5000A16M005 1200910002 1203580030 1200910008 1200910011 1300140094 130203-0054 1300140026 1300150099 RF-12S1N8A90DU 1-3637-600-5205 1612618 21036836414 8R4006A16M010 8R5006A18A120 1604232 1R3006A20M005 RF-12P1N8A80DU RF-12P1N8A90DU 41-40011 42-01015 4-22279-4 4-22281-1 4-22284-9 43-01088 43-01203 41-40013 42-00008 43-00343 43-01032 43-01162 43-10000 600X518050X SACC-DSI-FS-5P-PG9-L180 SC 8R5006A16M020 8R5006A16M005 8R4000A16M010 6-22279-3 1605332 N03FA03144 1300140077 43-01338 XS2RD4265 RSC 4/9 XS2R-D426-1 XS8A-0441 859RD04-103R004