



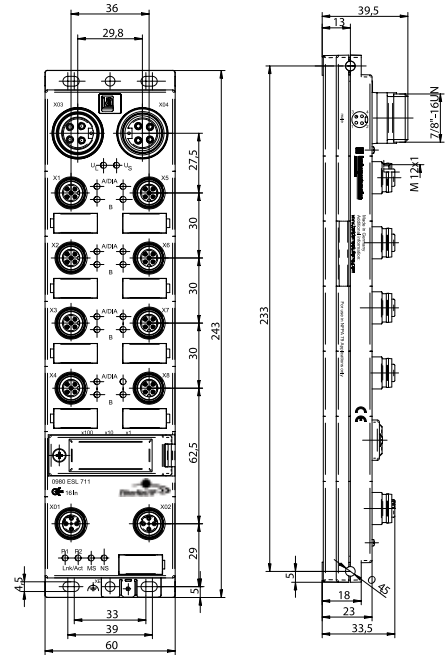
0980 ESL 711



EtherNet/IP I/O Modules with 16 Digital Inputs

16 IN

EtherNet/IP Device with 16 digital inputs, M12 socket, rotary address switches for addressing, M12 LAN-Ports, D-coded, 7/8" power supply.



Bit Assignment

Bit	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

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 yellow 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

Pin Assignment

LAN connection M12, D-Coded	Power supply 7/8"	Input M12
<p>1 = TD+ 2 = RD+ 3 = TD- 4 = RD Housing = shielding</p>	<p>1 = +24 V Actuators ¹ 2 = +24 V Logic / Sensors 3 = GND (0 V) Logic / Sensors 4 = GND (0 V) Actuators Housing = FE</p> <p>¹ In 16DI devices only for pass through</p>	<p>1 = +24 V 2 = IN B 3 = GND (0 V) 4 = IN A 5 = earth Housing = FE</p>



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Technical Data

Environmental

Degree of protection IP 67
 Operating temperature range -10°C (+14°F) to +60°C (+140°F)

Included in delivery/accessories

Dust covers M12 2 pieces
 Attachable labels 10 pieces

Mechanical

Weight 380 g
 Housing material PBT

Bus system

Vendor ID 21
 Device ID 711
 EDS-File EDS-v3.9 - LumbergAutomation-0980ESL711-20110420.eds (or later)
 Download www.beldensolutions.com
 Transmission rate 10/100 Mbs
 Address range 0-255
 Rotary address switches 0-255
 Default address 1

System/Sensors power supply

Rated voltage 24 V DC
 Voltage range 11–30 V DC
 Power consumption typ. 90 mA
 Reverse polarity protection yes

System power supply

24 V DC
 11–30 V DC
 typ. 90 mA
 yes

Input power supply

Voltage range 19–30 V DC
 Sensor current 200 mA (at T_{amb} 30°C)
 Short-circuit proof yes
 Indication LED green

Us

19–30 V DC
 200 mA (at T_{amb} 30°C)
 yes
 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

Type 3 acc. to IEC 61131-3

24 V DC
 p-switching
 max. 16
 LED yellow per channel
 LED red per socket

Part Number

0980 ESL 711



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