



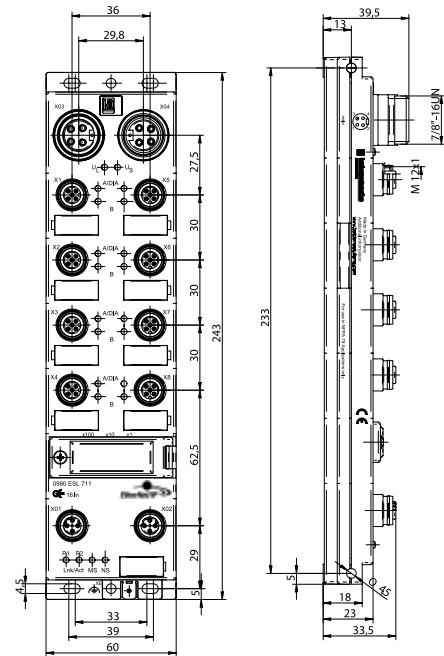
0980 ESL 711



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

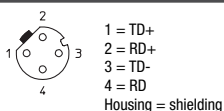
Bit	7	6	5	4	3	2	1	0
M12 Input								
Byte 0	4B	4A	3B	3A	2B	2A	1B	1A
Byte 1	8B	8A	7B	7A	6B	6A	5B	5A

Diagnostic Indication

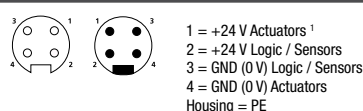
LED	Indication	Condition
1...8 A	yellow	channel status 1
1...8 DIA A	red	periphery fault
1...8 B	yellow	channel status 2
1...8 DIA B	red	periphery fault
Us	green off	sensor power supply applied sensor power supply missing
P1 Lnk/Act	green yellow flashing	connected to an Ethernet device I/O device exchanging 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

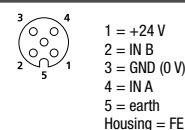


Power supply 7/8"



¹ In 16DI devices only for pass through

Input M12





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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 Mbps
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

Rated voltage	24 V 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 (at T _{amb} 30°C)
Short-circuit proof	yes
Indication	LED green

Us

Voltage range	19–30 V DC
Sensor current	200 mA (at T _{amb} 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

Type 3 acc. to IEC 61131-3

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

Part Number

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