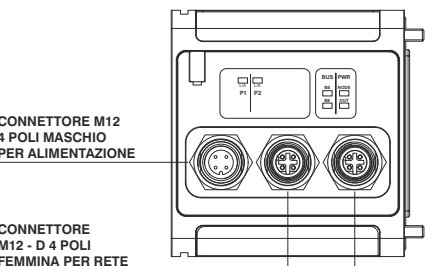


Powerlink (Cod. 5725.32F.PL)

Alimentazione

L'alimentazione del nodo avviene mediante il connettore circolare da M12 a 4 poli maschio. La separazione tra il 24V del nodo ed il 24V delle uscite permette di spegnere le uscite lasciando il nodo alimentato.

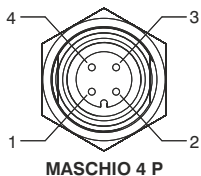
ATTENZIONE: Se non si porta il 24VDC sul piedino dedicato all'alimentazione delle uscite (PIN 4 del connettore 4 poli) le elettrovalvole rimangono spente.



CONNETTORE M12 4 POLI MASCHIO PER ALIMENTAZIONE

CONNETTORE M12 - D 4 POLI FEMMINA PER RETE

CONNETTORE M12 - D 4 POLI FEMMINA PER RETE

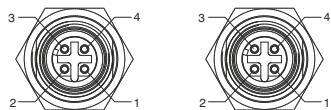


MASCHIO 4 P

PIN	DESCRIZIONE
1	+24 VDC (NODO E INGRESSI)
2	NC
3	GND
4	+24 VDC (USCITE)

Collegamento in rete

Il collegamento nella rete Powerlink del nodo avviene mediante 2 connettori circolari femmina da M12 4 poli tipo D. I 2 connettori indirizzano il segnale a 2 distinte porte di comunicazione, per cui non sono in parallelo tra di loro.



FEMMINA 4 P

FEMMINA 4 P

PIN	SEGNALE	DESCRIZIONE
1	TX+	Ethernet Transmit High
2	RX+	Ethernet Receive High
3	TX -	Ethernet Transmit Low
4	RX -	Ethernet Receive Low

Configurazione

Indipendentemente dal numero di moduli ingressi collegati occorre dichiarare la seguente configurazione: 4 Bytes Out + 8 Bytes In. Come impostazione di fabbrica l'indirizzo di ciascun nodo è 192.168.100.1.

Per modificare l'indirizzo IP occorre collegare il nodo ad un PC ed utilizzare il programma "Ethernet Device Configuration" scaricabile dal sito www.pneumaxspa.com

Indicatori di stato (Nodo + alimentazioni)

Lo slave Powerlink è dotato di 4 LED indicanti lo stato del dispositivo secondo quanto qui di seguito schematizzato:

PWR	Node	led verde: segnala l'alimentazione di nodo e ingressi
	Out	led verde: segnala l'alimentazione delle uscite
BUS	BS	led verde: FLICKERING: Slave is in Basic Ethernet state SINGLE FLASH: Slave is in Pre-operational 1 DOUBLE FLASH: Slave is in Pre-operational 2 TRIPLE FLASH: Slave is in ReadyToOperate ON: Slave is in Operational BLINKING: Slave is Stopped
	BE	led rosso: ON: Slave has detected an error
	-	OFF: No error

Indicatori di stato (Porte)

Lo slave Powerlink è dotato di 2 LED indicanti lo stato delle porte di comunicazione secondo quanto qui di seguito schematizzato:

led verde (L/A)	descrizione
ON (Link)	A connection to the Ethernet exists
FLASHING (Activity)	The Device sends/receives Ethernet frames
OFF	The Device has no connection to the Ethernet

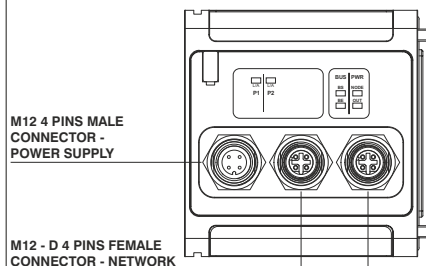
Il file .xdd per la configurazione del nodo è scaricabile dal sito www.pneumaxspa.com

Powerlink (Cod. 5725.32F.PL)

Electric supply

The node electric supply is achieved via a round M12, 4 pins male connector. As the electric supply 24V to the node is kept separate from the electric supply 24V to the outputs it is possible to turn off the outputs keeping the node on.

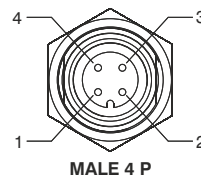
ATTENTION: If the 24VDC is not connected to outputs power supply pin (pin 4 of 4 pin connector) solenoid valves are turned off.



M12 4 PINS MALE CONNECTOR - POWER SUPPLY

M12 - D 4 PINS FEMALE CONNECTOR - NETWORK

M12 - D 4 PINS FEMALE CONNECTOR - NETWORK

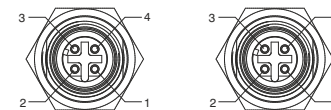


MALE 4 P

PIN	DESCRIPTION
1	+24 VDC (NODE & INPUTS)
2	NC
3	GND
4	+24 VDC (OUTPUTS)

Connection to the network

Connection to Bus Powerlink is possible via 2 M12 4P D type female circular connectors. These two connectors lead the signal to two different communication ports, so they are not connected in parallel.



FEMALE 4 P

FEMALE 4 P

PIN	SIGNAL	DESCRIPTION
1	TX+	Ethernet Transmit High
2	RX+	Ethernet Receive High
3	TX -	Ethernet Transmit Low
4	RX -	Ethernet Receive Low

Configuration

Regardless the number of INPUTS modules connected it's needed to declare the following configuration: 4 Bytes Out + 8 Bytes In. As factory default the address of each node is 192.168.100.1. To modify the IP address connect the node to a PC and use the tool "Ethernet Device Configuration" downloadable from www.pneumaxspa.com

Status indicators (Node + power supply)

The Powerlink slave is fitted with 4 LED which indicate the device working state as follows:

PWR	Node	green LED: indicates power supply of node+INPUTS
	Out	green LED: indicates power supply of OUTPUTS
BUS	BS	green LED: FLICKERING: Slave is in Basic Ethernet state SINGLE FLASH: Slave is in Pre-operational 1 DOUBLE FLASH: Slave is in Pre-operational 2 TRIPLE FLASH: Slave is in ReadyToOperate ON: Slave is in Operational BLINKING: Slave is Stopped
	BE	red LED: ON: Device has detected an error
	-	OFF: No error

Status indicator (Ports)

The Powerlink slave is fitted with 2 LED which indicate the device working state of communication ports as follows:

green LED (L/A)	description
ON (Link)	A connection to the Ethernet exists
FLASHING (Activity)	The Device sends/receives Ethernet frames
OFF	The Device has no connection to the Ethernet

The .xdd file for node configuration is downloadable from www.pneumaxspa.com