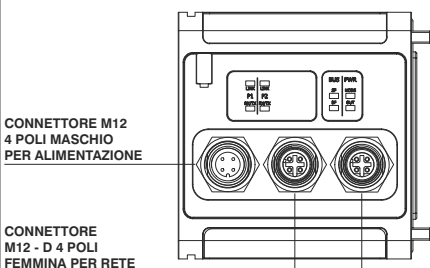


PROFINET IO RT/IRT (Cod. 5725.32F.PN)

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.

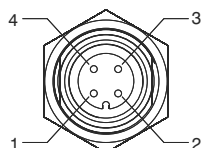
ATTENZIONE: Se non si porta il 24VDC sul piedino dedicato all'alimentazione delle uscite (PIN 4 del connettore 4 poli) le elettrovalvole rimangono spente.



CONNETTORE M12
4 POLI MASCHIO
PER ALIMENTAZIONE

CONNETTORE
M12 - D 4 POLI
FEMMINA PER RETE

CONNETTORE
M12 - D 4 POLI
FEMMINA PER RETE

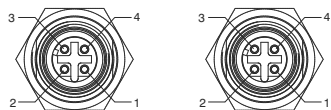


MASCHIO 4 P

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

Collegamento in rete

Il collegamento nella rete PROFINET IO RT/IRT 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

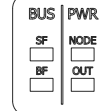
Configurazione

Indipendentemente dal numero di moduli ingressi collegati occorre dichiarare la seguente configurazione:

SLOT 1: 4 Bytes Out

SLOT 5: 8 Bytes In

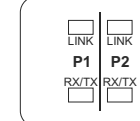
Indicatori di stato (Nodo + alimentazioni)



Lo slave PROFINET IO RT/IRT 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	SF	led verde: FLASHING: DCP signal service is initiated via the bus
	BF	led rosso: FLASHING: No data exchange ON: No configuration; low speed physical link; or no physical link
	-	OFF: No error

Indicatori di stato (Porte)



Lo slave PROFINET IO RT/IRT è dotato di 4 LED indicanti lo stato delle porte di comunicazione secondo quanto qui di seguito schematizzato:

led verde (Link)	descrizione
OFF	The Device has no connection to the Ethernet
ON	A connection to the Ethernet exists
led giallo (RX/TX)	descrizione
FLASHING	The device sends/receives Ethernet frames

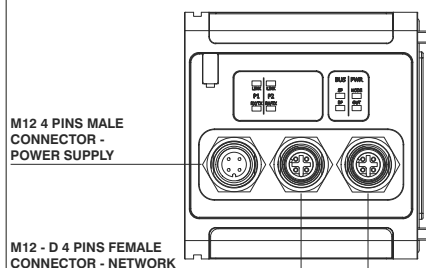
Il file .xml per la configurazione del nodo è scaricabile dal sito www.pneumaxspa.com

PROFINET IO RT/IRT (Cod. 5725.32F.PN)

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.

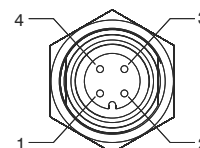
ATTENTION: If the 24VDC is not connected to outputs power supply pin (pin 4 of 4 pin connector) solenoid valves are turned off.



M12 4 PINS MALE
CONNECTOR -
POWER SUPPLY

M12 - D 4 PINS FEMALE
CONNECTOR - NETWORK

M12 - D 4 PINS FEMALE
CONNECTOR - NETWORK

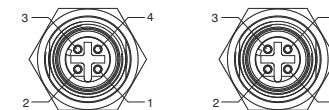


MALE 4 P

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

Connection to the network

Connection to Bus PROFINET IO RT/IRT 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

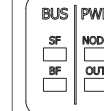
Configuration

Regardless the number of INPUTS modules connected it's needed to declare the following configuration:

SLOT 1: 4 Bytes Out

SLOT 5: 8 Bytes In

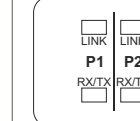
Status indicators (Node + power supply)



The PROFINET IO RT/IRT 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	SF	green LED: FLASHING: DCP signal service is initiated via the bus
	BF	red LED: FLASHING: No data exchange ON: No configuration; or low speed physical link; or no physical link
	-	OFF: No error

Status indicator (Ports)



The PROFINET IO RT/IRT slave is fitted with 4 LED which indicate the device working state of communication ports as follows:

green led (Link)	description
OFF	The Device has no connection to the Ethernet
ON	A connection to the Ethernet exists
yellow led (RX/TX)	description
FLASHING	The device sends/receives Ethernet frames

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