

**General:**

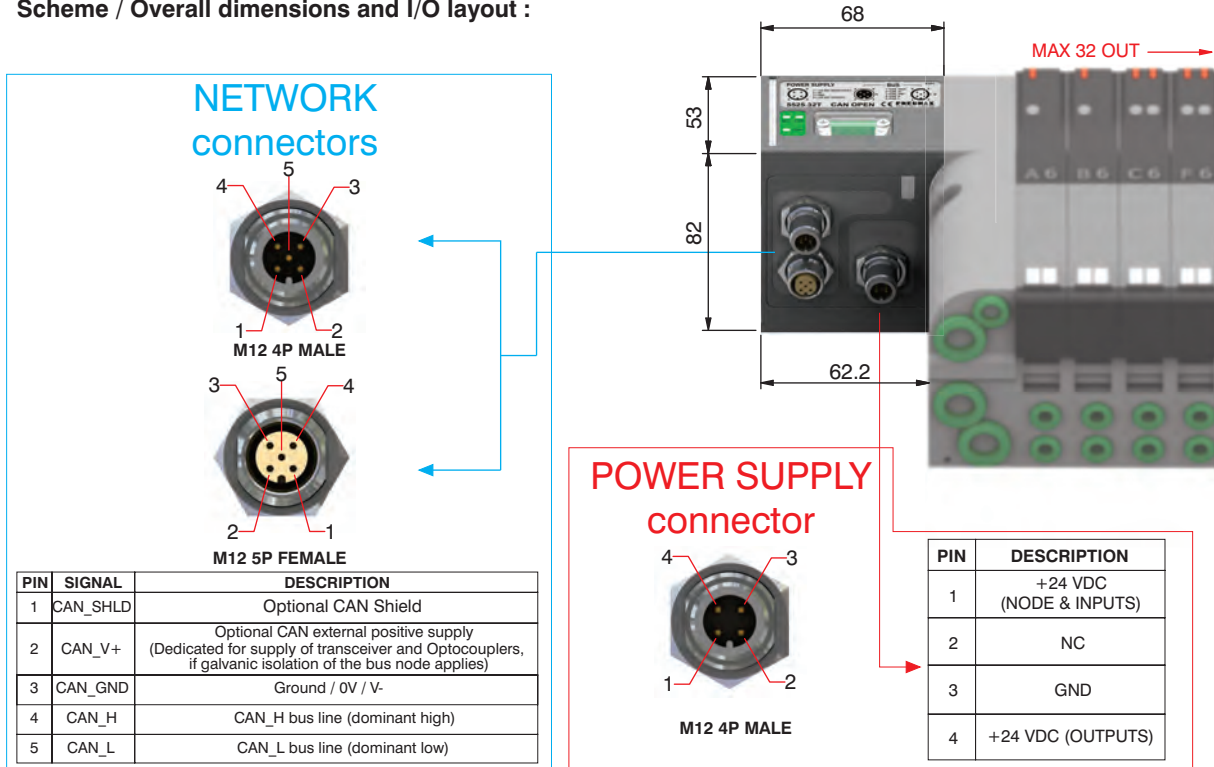
CANopen® module is directly integrated on Optyma-T solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.  
 Optyma-T solenoid valves connected to node must be PNP equivalent (final 02 in ordering code).  
 The node can be easily installed also on solenoid valves manifold already mounted on equipment.  
 Module can manage up to 32 solenoid valves, and, in the same time, a max number of 4 Input modules 5225.08T.  
 CANopen® module recognizes automatically the presence of the Input modules on power on.  
 Regardless of the number of Input modules connected, the manageable solenoid valves are 32.  
 Node power supply is made by a M12 4P male circular connector.  
 The separation between node 24 VDC Power supply and outputs 24 VDC allows to switch off the outputs maintaining powered the node and inputs, if present.  
 Connection to Bus CANopen® is possible via 2 M12 5P male - female circular connectors; these two are connected in parallel and according to CiA Draft Recommendation 303-1 (V. 1.3 : 30 December 2004).  
 Transmission speed can be set by 3 dip-switches.  
 The node address can be set by 6 dip-switches using BCD numeration.  
 The module includes an internal terminating resistance that can be activated by a dip-switch.

**Ordering code**

**5525.32T**



**Scheme / Overall dimensions and I/O layout :**



**NETWORK connectors**

PIN	SIGNAL	DESCRIPTION
1	CAN_SHLD	Optional CAN Shield
2	CAN_V+	Optional CAN external positive supply (Dedicated for supply of transceiver and Optocouplers, if galvanic isolation of the bus node applies)
3	CAN_GND	Ground / 0V / V-
4	CAN_H	CAN_H bus line (dominant high)
5	CAN_L	CAN_L bus line (dominant low)

**POWER SUPPLY connector**

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

**Technical characteristics**

Model	5525.32T	
Specifications	CiA Draft Standard Proposal 301 V 4.10 (15 August 2006)	
Case	Reinforced technopolymer	
<b>Power supply</b>	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without inputs)	30 mA
	Power supply diagnosis	Green led PWR
<b>Outputs</b>	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
<b>Network</b>	Network connectors	2 M12 5P connectors male-female (IEC 60947-5-2)
	Baud rate	10 - 20 - 50 - 125 - 250 - 500 - 800 - 1000 Kbit/s
	Addresses, possible numbers	From 1 to 63
	Max nodes in net	64 (slave + master)
	Bus maximum recommended length	100 m at 500 Kbit/s
	Bus diagnosis	Green led + Red led
	Configuration file	Available from our web site: <a href="http://www.pneumaxspa.com">http://www.pneumaxspa.com</a>
	IP protection grade	IP65 when assembled
	Temperature range	From -0° to +50° C



Manifold layout configuration complete with CANopen® node



**BUS CONFIGURATION :**

- CA= CANopen® 32 OUT
- CB= CANopen® 32 OUT plus 8 INPUTS
- CC= CANopen® 32 OUT plus 16 INPUTS
- CD= CANopen® 32 OUT plus 24 INPUTS
- CE= CANopen® 32 OUT plus 32 INPUTS

**ENDPLATES SELECTION:**

- A= 37 poles - external feeding left endplate plus closed right endplate
- B= 37 poles - self feeding left endplate plus closed right endplate
- C= 37 poles - external feeding left endplate plus 25 poles OUT closed right endplate
- C1= 37 poles - external feeding left endplate plus 25 poles OUT closed right endplate plus 1 I/O module
- C2= 37 poles - external feeding left endplate plus 25 poles OUT closed right endplate plus 2 I/O modules
- D= 37 poles - self feeding left endplate plus 25 poles OUT closed right endplate
- D1= 37 poles - self feeding left endplate plus 25 poles OUT closed right endplate plus 1 I/O module
- D2= 37 poles - self feeding left endplate plus 25 poles OUT closed right endplate plus 2 I/O modules

**NOTE:**

While configuring the manifold always be careful that the maximum number of electrical signals available is 32. The use of monostable valve mounted on a base type 2 ( 2 electrical signals occupied ) causes the loss of one electric signal. In this case the monostable valve can be replaced by a bistable valve. The diaphragms plugs are used to intercept the conduits 1,3 & 5 of the base. If it is necessary to interrupt more than one conduit in the same time then put in line the letters which identifies the position (for exemple : regarding the 3 & 5 conduits, put the Y & Z letters). Should one or more conduits be cut more than one time it is necessary to add the relevant intermediate Supply/Exhaust module.

**SHORT CODE FUNCTION / CONNECTION :**

- A1= 5/2 SOL.-SPRING + BASE 1 - CARTR. G1/8" F.
- A2= 5/2 SOL.-SPRING + BASE 2 - CARTR. G1/8" F.
- A3= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø4
- A4= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø4
- A5= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø6
- A6= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø6
- A7= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø8
- A8= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø8
- B1= 5/2 SOL.-DIFF. + BASE 1 - CARTR. G1/8" F.
- B2= 5/2 SOL.-DIFF. + BASE 2 - CARTR. G1/8" F.
- B3= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø4
- B4= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø4
- B5= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø6
- B6= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø6
- B7= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø8
- B8= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø8
- C2= 5/2 SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- C4= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø4
- C6= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø6
- C8= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø8
- E2= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- E4= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø4
- E6= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø6
- E8= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø8
- F2= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- F4= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø4
- F6= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø6
- F8= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø8
- G2= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- G4= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø4
- G6= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø6
- G8= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø8
- H2= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- H4= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø4
- H6= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø6
- H8= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø8

- T1= FREE VALVE SPACE PLUG + BASE 1 - CARTR. G1/8" F.
- T2= FREE VALVE SPACE PLUG + BASE 2 - CARTR. G1/8" F.
- T3= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø4
- T4= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø4
- T5= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø6
- T6= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø6
- T7= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø8
- T8= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø8

- W = INTERMEDIATE SUPPLY & EXHAUST MODULE
- U4= POWER SUPPLY MODULE 4 POSITIONS

- X = DIAPHRAGM PLUG ON PIPE 1
- Y = DIAPHRAGM PLUG ON PIPE 3
- Z = DIAPHRAGM PLUG ON PIPE 5

**NOTE:**

- BASE 1 = Modular base with electrical circuit that uses 1 electrical signal (can be used with monostable solenoid valves only)
- BASE 2 = Modular base with electrical circuit that uses 2 electrical signals (can be used with monostable and bistable solenoid valves indifferently)



**General:**

DeviceNet® module is directly integrated on Optyma-T solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.

Optyma-T solenoid valves connected to node must be PNP equivalent (final 02 in ordering code).

The node can be easily installed also on solenoid valves manifold already mounted on equipment.

Module can manage up to 32 solenoid valves, and, in the same time, a max number of 4 Input modules 5225.08T.

DeviceNet® module recognizes automatically the presence of the Input modules on power on.

Regardless of the number of Input modules connected, the manageable solenoid valves are 32.

Node power supply is made by a M12 4P male circular connector.

The separation between node 24 VDC Power supply and outputs 24 VDC allows to switch off the outputs maintaining powered the node and inputs, if present.

Connection to Bus DeviceNet® is possible via 2 M12 5P male - female circular connectors; these two are connected in parallel and according to DeviceNet Specifications Volume I, release 2.0.

Transmission speed can be set by 3 dip-switches.

The node address can be set by 6 dip-switches using BCD numeration.

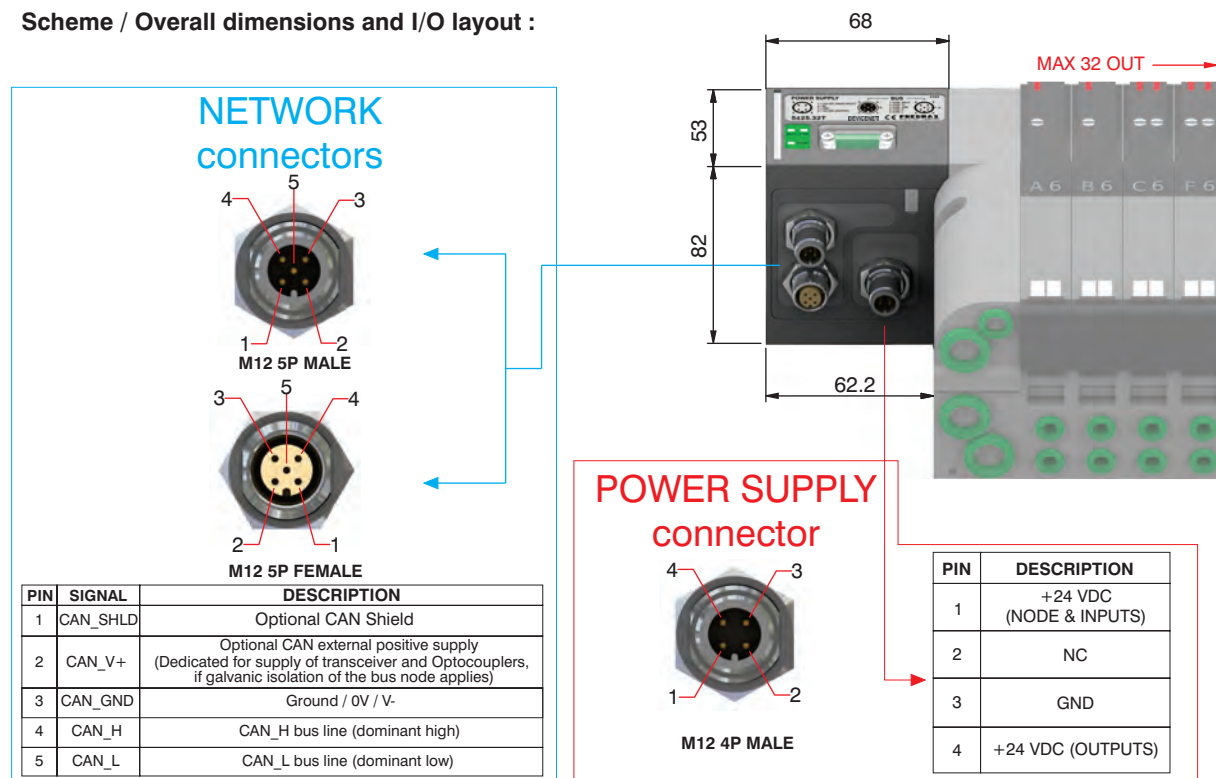
The module includes an internal terminating resistance that can be activated by a dip-switch.

**Ordering code**

5425.32T



**Scheme / Overall dimensions and I/O layout :**



PIN	SIGNAL	DESCRIPTION
1	CAN_SHLD	Optional CAN Shield
2	CAN_V+	Optional CAN external positive supply (Dedicated for supply of transceiver and Optocouplers, if galvanic isolation of the bus node applies)
3	CAN_GND	Ground / 0V / V-
4	CAN_H	CAN_H bus line (dominant high)
5	CAN_L	CAN_L bus line (dominant low)

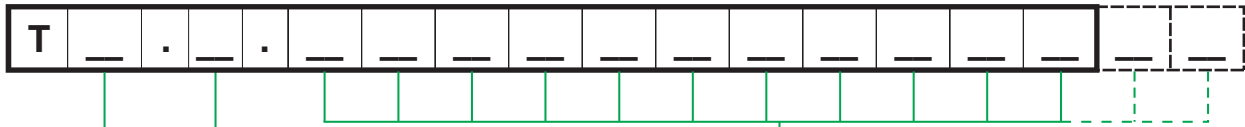
PIN	DESCRIPTION
1	+24 VDC (NODE & INPUTS)
2	NC
3	GND
4	+24 VDC (OUTPUTS)

**Technical characteristics**

Model	5425.32T	
Specifications	DeviceNet® Specifications Volume I, release 2.0.	
Case	Reinforced technopolymer	
<b>Power supply</b>	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without inputs)	30 mA
	Power supply diagnosis	Green led PWR
<b>Outputs</b>	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
<b>Network</b>	Network connectors	2 M12 5P connectors male-female (IEC 60947-5-2)
	Baud rate	125 - 250 - 500 Kbit/s
	Addresses, possible numbers	From 1 to 63
	Max nodes in net	64 (slave + master)
	Bus maximum recommended length	100 m at 500 Kbit/s
	Bus diagnosis	Green led + Red led
	Configuration file	Available from our web site: <a href="http://www.pneumaxspa.com">http://www.pneumaxspa.com</a>
	IP protection grade	IP65 when assembled
	Temperature range	From -0° to +50° C



Manifold layout configuration complete with DeviceNet® node



**BUS CONFIGURATION :**

- DA= DeviceNet® 32 OUT
- DB= DeviceNet® 32 OUT  
plus 8 INPUTS
- DC= DeviceNet® 32 OUT  
plus 16 INPUTS
- DD= DeviceNet® 32 OUT  
plus 24 INPUTS
- DE= DeviceNet® 32 OUT  
plus 32 INPUTS

**ENDPLATES SELECTION:**

- A= 37 poles - external feeding left endplate  
plus closed right endplate
- B= 37 poles - self feeding left endplate  
plus closed right endplate
- C= 37 poles - external feeding left endplate  
plus 25 poles OUT closed right endplate
- C1= 37 poles - external feeding left endplate  
plus 25 poles OUT closed right endplate  
plus 1 I/O module
- C2= 37 poles - external feeding left endplate  
plus 25 poles OUT closed right endplate  
plus 2 I/O modules
- D= 37 poles - self feeding left endplate  
plus 25 poles OUT closed right endplate
- D1= 37 poles - self feeding left endplate  
plus 25 poles OUT closed right endplate  
plus 1 I/O module
- D2= 37 poles - self feeding left endplate  
plus 25 poles OUT closed right endplate  
plus 2 I/O modules

**NOTE:**

While configuring the manifold always be careful that the maximum number of electrical signals available is 32. The use of monostable valve mounted on a base type 2 ( 2 electrical signals occupied ) causes the loss of one electric signal. In this case the monostable valve can be replaced by a bistable valve. The diaphragms plugs are used to intercept the conduits 1,3 & 5 of the base. If it is necessary to interrupt more than one conduit in the same time then put in line the letters which identifies the position (for exemple : regarding the 3 & 5 conduits, put the Y & Z letters). Should one or more conduits be cut more than one time it is necessary to add the relevant intermediate Supply/Exhaust module.

**SHORT CODE FUNCTION / CONNECTION :**

- A1= 5/2 SOL.-SPRING + BASE 1 - CARTR. G1/8" F.
- A2= 5/2 SOL.-SPRING + BASE 2 - CARTR. G1/8" F.
- A3= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø4
- A4= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø4
- A5= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø6
- A6= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø6
- A7= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø8
- A8= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø8
- B1= 5/2 SOL.-DIFF. + BASE 1 - CARTR. G1/8" F.
- B2= 5/2 SOL.-DIFF. + BASE 2 - CARTR. G1/8" F.
- B3= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø4
- B4= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø4
- B5= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø6
- B6= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø6
- B7= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø8
- B8= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø8
- C2= 5/2 SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- C4= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø4
- C6= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø6
- C8= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø8
- E2= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- E4= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø4
- E6= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø6
- E8= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø8
- F2= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- F4= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø4
- F6= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø6
- F8= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø8
- G2= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- G4= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø4
- G6= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø6
- G8= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø8
- H2= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- H4= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø4
- H6= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø6
- H8= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø8

- T1= FREE VALVE SPACE PLUG + BASE 1 - CARTR. G1/8" F.
- T2= FREE VALVE SPACE PLUG + BASE 2 - CARTR. G1/8" F.
- T3= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø4
- T4= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø4
- T5= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø6
- T6= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø6
- T7= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø8
- T8= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø8

- W = INTERMEDIATE SUPPLY & EXHAUST MODULE
- U4= POWER SUPPLY MODULE 4 POSITIONS

- X = DIAPHRAGM PLUG ON PIPE 1
- Y = DIAPHRAGM PLUG ON PIPE 3
- Z = DIAPHRAGM PLUG ON PIPE 5

**NOTE:**

- BASE 1 = Modular base with electrical circuit that uses 1 electrical signal  
(can be used with monostable solenoid valves only)
- BASE 2 = Modular base with electrical circuit that uses 2 electrical signals  
(can be used with monostable and bistable solenoid valves indifferently)





**General:**

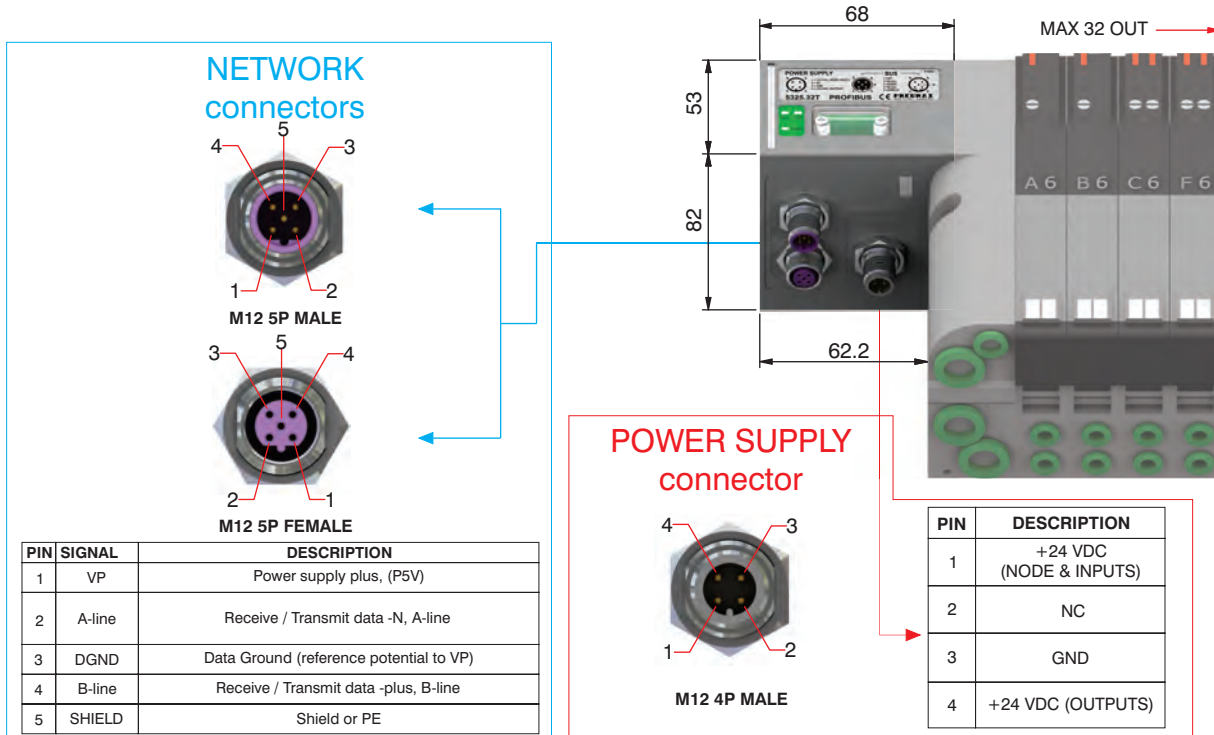
PROFIBUS DP module is directly integrated on Optyma-T solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.  
 Optyma-T solenoid valves connected to node must be PNP equivalent (final 02 in ordering code).  
 The node can be easily installed also on solenoid valves manifold already mounted on equipment.  
 Module can manage up to 32 solenoid valves, and, in the same time, a max number of 4 Input modules 5225.08T.  
 PROFIBUS DP module recognizes automatically the presence of the Input modules on power on.  
 Regardless of the number of Input modules connected, the managable solenoid valves are 32.  
 Node power supply is made by a M12 4P male circular connector.  
 The separation between node 24 VDC Power supply and outputs 24 VDC allows to switch off the outputs mantaning the node and inputs, if present.  
 Connection to Bus PROFIBUS DP is possible via 2 M12 type B 5P male - female circular connectors; these two are connected in parallel and according to PROFIBUS Interconnection Technology (Version 1.1 : August 2001).  
 The node address can be set using BCD numeration: 4 dip-switches for the units and 4 dip-switches for the tens.  
 The module includes an internal terminating resistance that can be activated by a dip-switch.

**Ordering code**

**5325.32T**



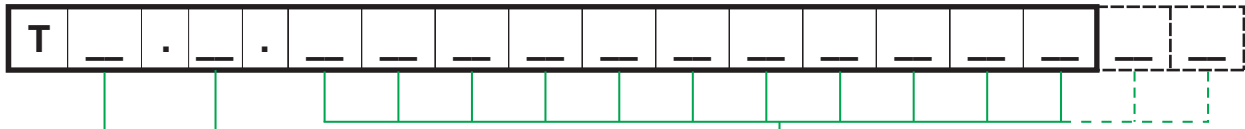
**Scheme / Overall dimensions and I/O layout :**



**Technical characteristics**

Model	5325.32T	
Specifications	PROFIBUS DP	
Case	Reinforced technopolymer	
<b>Power supply</b>	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without inputs)	50 mA
	Power supply diagnosis	Green led PWR
<b>Outputs</b>	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
<b>Network</b>	Network connectors	2 M12 5P male-female connectors type B
	Baud rate	9,6 - 19,2 - 93,75 - 187,5 - 500 - 1500 - 3000 - 6000 - 12000 Kbit/s
	Addresses, possible numbers	From 1 to 99
	Max nodes in net	100 (slave + master)
	Bus maximum recommended length	100 m at 12 Mbit/s - 1200 m at 9,6 Kbit/s
	Bus diagnosis	Green led + Red led
	Configuration file	Available from our web site: <a href="http://www.pneumaxspa.com">http://www.pneumaxspa.com</a>
	IP protection grade	IP65 when assembled
	Temperature range	From -0° to +50° C

Manifold layout configuration complete with PROFIBUS node



**BUS CONFIGURATION :**

- PA= PROFIBUS 32 OUT
- PB= PROFIBUS 32 OUT plus 8 INPUTS
- PC= PROFIBUS 32 OUT plus 16 INPUTS
- PD= PROFIBUS 32 OUT plus 24 INPUTS
- PE= PROFIBUS 32 OUT plus 32 INPUTS

**ENDPLATES SELECTION:**

- A= 37 poles - external feeding left endplate plus closed right endplate
- B= 37 poles - self feeding left endplate plus closed right endplate
- C= 37 poles - external feeding left endplate plus 25 poles OUT closed right endplate
- C1= 37 poles - external feeding left endplate plus 25 poles OUT closed right endplate plus 1 I/O module
- C2= 37 poles - external feeding left endplate plus 25 poles OUT closed right endplate plus 2 I/O modules
- D= 37 poles - self feeding left endplate plus 25 poles OUT closed right endplate
- D1= 37 poles - self feeding left endplate plus 25 poles OUT closed right endplate plus 1 I/O module
- D2= 37 poles - self feeding left endplate plus 25 poles OUT closed right endplate plus 2 I/O modules

**NOTE:**

While configuring the manifold always be careful that the maximum number of electrical signals available is 32. The use of monostable valve mounted on a base type 2 ( 2 electrical signals occupied ) causes the loss of one electric signal. In this case the monostable valve can be replaced by a bistable valve. The diaphragms plugs are used to intercept the conduits 1,3 & 5 of the base. If it is necessary to interrupt more than one conduit in the same time then put in line the letters which identifies the position (for exemple : regarding the 3 & 5 conduits, put the Y & Z letters). Should one or more conduits be cut more than one time it is necessary to add the relevant intermediate Supply/Exhaust module.

**SHORT CODE FUNCTION / CONNECTION :**

- A1= 5/2 SOL.-SPRING + BASE 1 - CARTR. G1/8" F.
- A2= 5/2 SOL.-SPRING + BASE 2 - CARTR. G1/8" F.
- A3= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø4
- A4= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø4
- A5= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø6
- A6= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø6
- A7= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø8
- A8= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø8
- B1= 5/2 SOL.-DIFF. + BASE 1 - CARTR. G1/8" F.
- B2= 5/2 SOL.-DIFF. + BASE 2 - CARTR. G1/8" F.
- B3= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø4
- B4= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø4
- B5= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø6
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- B8= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø8
- C2= 5/2 SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- C4= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø4
- C6= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø6
- C8= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø8
- E2= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- E4= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø4
- E6= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø6
- E8= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø8
- F2= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- F4= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø4
- F6= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø6
- F8= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø8
- G2= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- G4= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø4
- G6= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø6
- G8= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø8
- H2= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- H4= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø4
- H6= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø6
- H8= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø8

- T1= FREE VALVE SPACE PLUG + BASE 1 - CARTR. G1/8" F.
- T2= FREE VALVE SPACE PLUG + BASE 2 - CARTR. G1/8" F.
- T3= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø4
- T4= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø4
- T5= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø6
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- T7= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø8
- T8= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø8

- W = INTERMEDIATE SUPPLY & EXHAUST MODULE
- U4= POWER SUPPLY MODULE 4 POSITIONS

- X = DIAPHRAGM PLUG ON PIPE 1
- Y = DIAPHRAGM PLUG ON PIPE 3
- Z = DIAPHRAGM PLUG ON PIPE 5

**NOTE:**

- BASE 1 = Modular base with electrical circuit that uses 1 electrical signal (can be used with monostable solenoid valves only)
- BASE 2 = Modular base with electrical circuit that uses 2 electrical signals (can be used with monostable and bistable solenoid valves indifferently)



**General:**

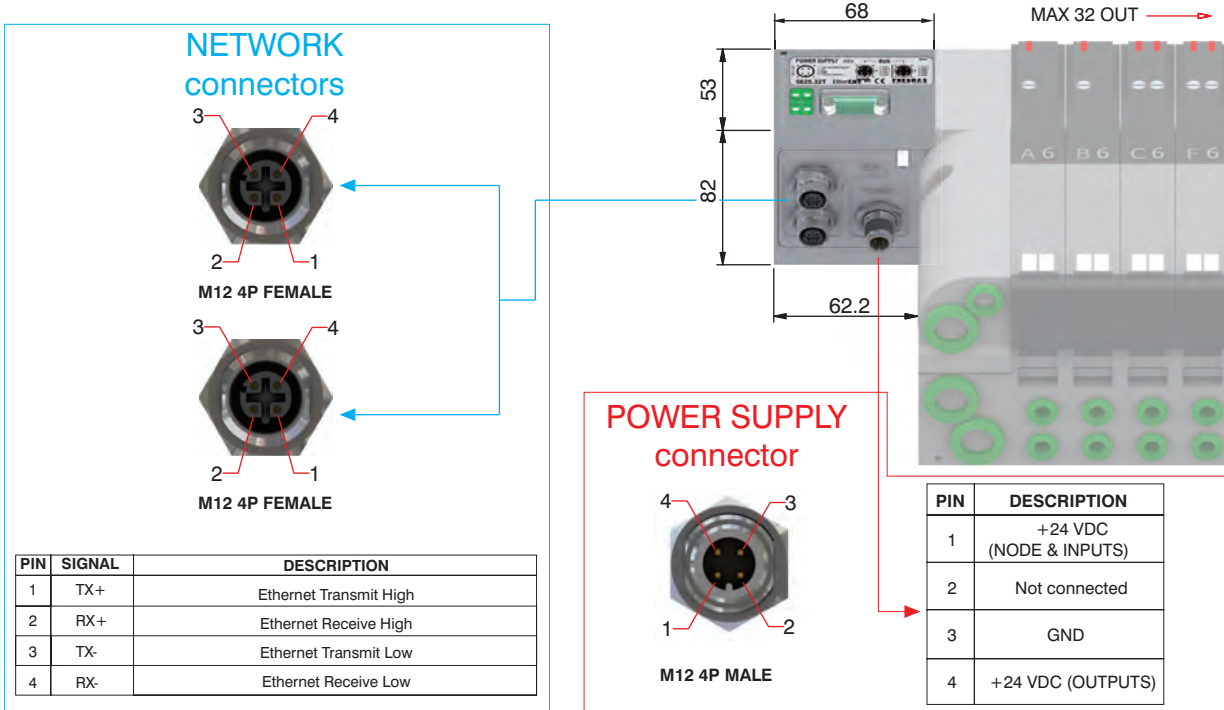
EtherCAT® module is directly integrated on Optyima-T solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.  
 Optyima-T solenoid valves connected to node must be PNP equivalent (final 02 in ordering code).  
 The node can be easily installed also on solenoid valves manifold already mounted on equipment.  
 Module can manage up to 32 solenoid valves, and, in the same time, a max number of 4 Input modules 5225.08T.  
 EtherCAT® module recognizes automatically the presence of the Input modules on power on.  
 Regardless of the number of Input modules connected, the manageable solenoid valves are 32.  
 Node power supply is made by a M12 4P male circular connector.  
 The separation between node 24 VDC Power supply and outputs 24 VDC allows to switch off the outputs maintaining powered the node and inputs, if present.  
 Connection to Bus EtherCAT® is possible via 2 M12 4P type D female circular connectors. These two connectors lead the signal to two different communication ports, so they are not connected in parallel. They are according to EtherCAT® Specifications ETG.1000 series.  
 By specifications, node ID should be automatically set during network configuration, but it is also possible to set the address via 6 dip-switches on the module, using BCD numeration.

**Ordering code**

5625.32T



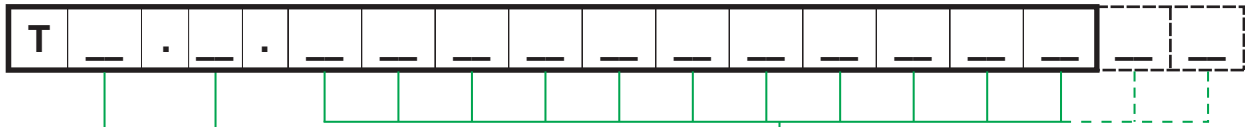
**Scheme / Overall dimensions and I/O layout :**



**Technical characteristics**

Model	5625.32T	
Specifications	EtherCAT® Specifications ETG.1000 series	
Case	Reinforced technopolymer	
<b>Power supply</b>	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without inputs)	310 mA
	Power supply diagnosis	Green led PWR
<b>Outputs</b>	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for output	100 mA
	Max output simultaneously actuated	32
	N.max. uscite azionabili contemp.	32
<b>Network</b>	Network connectors	2 M12 4P female connectors type D (IEC 61076-2-101)
	Baud rate	100 Mbit/s
	Addresses, possibile numbers	From 0 to 65535 (from 1 to 63 with dip-switches)
	Max nodes in net	65536 (master + slaves)
	Maximum distance between 2 nodes	100 m
	Bus diagnosis	1 status green led + 2 activity green led
	Configuration file	5625.32_100.xml
	IP protection grade	IP65 when assembled
Temperature range	From 0° to +50° C	

Manifold layout configuration complete with EtherCAT® node



**BUS CONFIGURATION :**

- EA= EtherCAT® 32 OUT
- EB= EtherCAT® 32 OUT + 8 INPUTS
- EC= EtherCAT® 32 OUT + 16 INPUTS
- ED= EtherCAT® 32 OUT + 24 INPUTS
- EE= EtherCAT® 32 OUT + 32 INPUTS

**ENDPLATES SELECTION:**

- A= 37 poles - external feeding left endplate plus closed right endplate
- B= 37 poles - self feeding left endplate plus closed right endplate
- C= 37 poles - external feeding left endplate plus 25 poles OUT closed right endplate
- C1= 37 poles - external feeding left endplate plus 25 poles OUT closed right endplate plus 1 I/O module
- C2= 37 poles - external feeding left endplate plus 25 poles OUT closed right endplate plus 2 I/O modules
- D= 37 poles - self feeding left endplate plus 25 poles OUT closed right endplate
- D1= 37 poles - self feeding left endplate plus 25 poles OUT closed right endplate plus 1 I/O module
- D2= 37 poles - self feeding left endplate plus 25 poles OUT closed right endplate plus 2 I/O modules

**NOTE:**

While configuring the manifold always be careful that the maximum number of electrical signals available is 32. The use of monostable valve mounted on a base type 2 ( 2 electrical signals occupied ) causes the loss of one electric signal. In this case the monostable valve can be replaced by a bistable valve. The diaphragms plugs are used to intercept the conduits 1,3 & 5 of the base. If it is necessary to interrupt more than one conduit in the same time then put in line the letters which identifies the position (for exemple : regarding the 3 & 5 conduits, put the Y & Z letters). Should one or more conduits be cut more than one time it is necessary to add the relevant intermediate Supply/Exhaust module.

**SHORT CODE FUNCTION / CONNECTION :**

- A1= 5/2 SOL.-SPRING + BASE 1 - CARTR. G1/8" F.
- A2= 5/2 SOL.-SPRING + BASE 2 - CARTR. G1/8" F.
- A3= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø4
- A4= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø4
- A5= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø6
- A6= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø6
- A7= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø8
- A8= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø8
- B1= 5/2 SOL.-DIFF. + BASE 1 - CARTR. G1/8" F.
- B2= 5/2 SOL.-DIFF. + BASE 2 - CARTR. G1/8" F.
- B3= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø4
- B4= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø4
- B5= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø6
- B6= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø6
- B7= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø8
- B8= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø8
- C2= 5/2 SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- C4= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø4
- C6= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø6
- C8= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø8
- E2= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- E4= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø4
- E6= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø6
- E8= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø8
- F2= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- F4= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø4
- F6= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø6
- F8= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø8
- G2= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- G4= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø4
- G6= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø6
- G8= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø8
- H2= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- H4= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø4
- H6= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø6
- H8= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø8

- T1= FREE VALVE SPACE PLUG + BASE 1 - CARTR. G1/8" F.
- T2= FREE VALVE SPACE PLUG + BASE 2 - CARTR. G1/8" F.
- T3= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø4
- T4= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø4
- T5= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø6
- T6= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø6
- T7= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø8
- T8= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø8

- W = INTERMEDIATE SUPPLY & EXHAUST MODULE
- U4= POWER SUPPLY MODULE 4 POSITIONS

- X = DIAPHRAGM PLUG ON PIPE 1
- Y = DIAPHRAGM PLUG ON PIPE 3
- Z = DIAPHRAGM PLUG ON PIPE 5

**NOTE:**

- BASE 1 = Modular base with electrical circuit that uses 1 electrical signal (can be used with monostable solenoid valves only)
- BASE 2 = Modular base with electrical circuit that uses 2 electrical signals (can be used with monostable and bistable solenoid valves indifferently)





**General :**

PROFINET IO RT/IRT module is directly integrated on Optyima-T solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.

Optyima-T solenoid valves connected to node must be PNP equivalent (final 02 in ordering code).

The node can be easily installed also on solenoid valves manifold already mounted on equipment.

Module can manage up to 32 solenoid valves, and, in the same time, a max number of 8 Input modules 5225.12T, and a max number of 4 Input modules 5225.08T.

The PROFINET IO RT/IRT module, regardless the number of Input module connected, reports to have connected 8 Input modules.

Regardless of the number of Input modules connected, the manageable solenoid valves are 32.

Node power supply is made by a M12 4P male circular connector.

The separation between node 24 VDC Power supply and outputs 24 VDC allows to switch off the outputs maintaining powered the node and inputs, if present.

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

The node address is assigned during configuration.

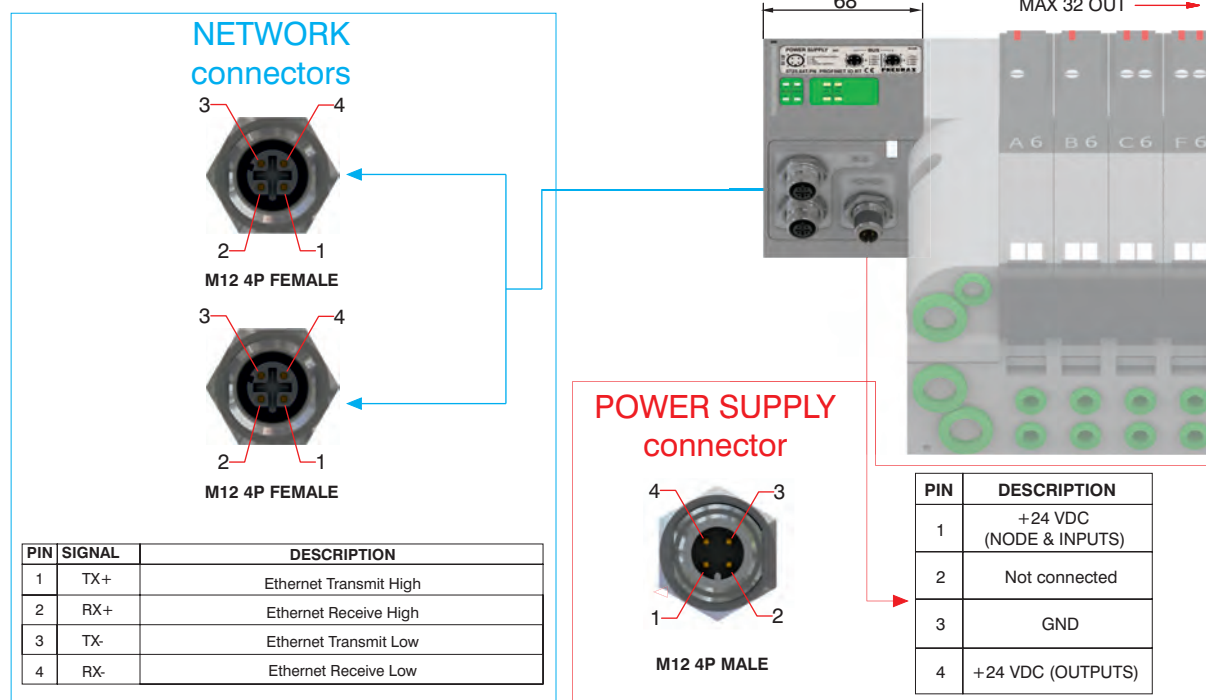
**Ordering code**

**5725.64T.PN**



2

**Scheme / Overall dimensions and I/O layout :**

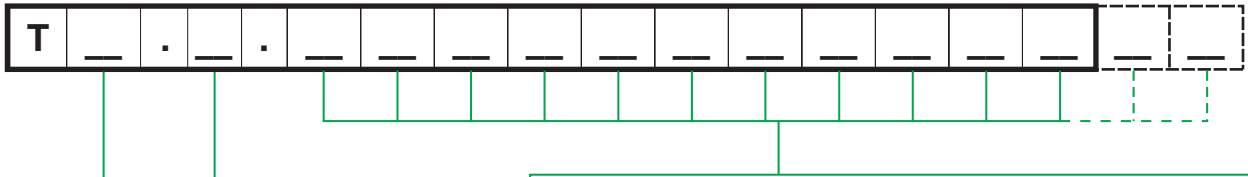


**Technical characteristics**

Model	5725.64T.PN	
Specifications	PROFINET IO RT/IRT Device V3	
Case	Reinforced technopolymer	
<b>Power supply</b>	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without outputs)	400 mA
	Power supply diagnosis	Green led PWR / Green led OUT
<b>Outputs</b>	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for each output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
<b>Network</b>	Network connectors	2 M12 4P female connectors type D (IEC 61076-2-101)
	Baud rate	100 Mbit/s
	Addresses, possible numbers	As an IP address
	Max nodes in net	As an Ethernet Network
	Maximum distance between 2 nodes	100 m
	Bus diagnosis	1 green and 1 red LED for status + 4 LEDs for link & activity
	Configuration file	GSDML-V2.1-PNEUMAX-OPTYMA-20120801.xml
	IP protection grade	IP65 when assembled
	Temperature range	From 0° to +50° C



Manifold layout configuration complete with **PROFINET IO RT/IRT** node



**BUS CONFIGURATION :**

- NA= PROFINET IO RT/IRT 32 OUT
- NB= PROFINET IO RT/IRT 32 OUT + 8 INPUTS
- NC= PROFINET IO RT/IRT 32 OUT + 16 INPUTS
- ND= PROFINET IO RT/IRT 32 OUT + 24 INPUTS
- NE= PROFINET IO RT/IRT 32 OUT + 32 INPUTS
- NF= PROFINET IO RT/IRT 32 OUT + 40 INPUTS
- NG= PROFINET IO RT/IRT 32 OUT + 48 INPUTS
- NH= PROFINET IO RT/IRT 32 OUT + 56 INPUTS
- NI= PROFINET IO RT/IRT 32 OUT + 64 INPUTS

**ENDPLATES SELECTION:**

- A= 37 poles - external feeding left endplate plus closed right endplate
- B= 37 poles - self feeding left endplate plus closed right endplate
- C= 37 poles - external feeding left endplate plus 25 poles OUT closed right endplate
- C1= 37 poles - external feeding left endplate plus 25 poles OUT closed right endplate plus 1 I/O module
- C2= 37 poles - external feeding left endplate plus 25 poles OUT closed right endplate plus 2 I/O modules
- D= 37 poles - self feeding left endplate plus 25 poles OUT closed right endplate
- D1= 37 poles - self feeding left endplate plus 25 poles OUT closed right endplate plus 1 I/O module
- D2= 37 poles - self feeding left endplate plus 25 poles OUT closed right endplate plus 2 I/O modules

**NOTE:**

While configuring the manifold always be careful that the maximum number of electrical signals available is 32. The use of monostable valve mounted on a base type 2 ( 2 electrical signals occupied ) causes the loss of one electric signal. In this case the monostable valve can be replaced by a bistable valve. The diaphragms plugs are used to intercept the conduits 1,3 & 5 of the base. If it is necessary to interrupt more than one conduit in the same time then put in line the letters which identifies the position (for example : regarding the 3 & 5 conduits, put the Y & Z letters). Should one or more conduits be cut more than one time it is necessary to add the relevant intermediate Supply/Exhaust module.

**SHORT CODE FUNCTION / CONNECTION :**

- A1= 5/2 SOL.-SPRING + BASE 1 - CARTR. G1/8" F.
- A2= 5/2 SOL.-SPRING + BASE 2 - CARTR. G1/8" F.
- A3= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø4
- A4= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø4
- A5= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø6
- A6= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø6
- A7= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø8
- A8= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø8
- B1= 5/2 SOL.-DIFF. + BASE 1 - CARTR. G1/8" F.
- B2= 5/2 SOL.-DIFF. + BASE 2 - CARTR. G1/8" F.
- B3= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø4
- B4= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø4
- B5= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø6
- B6= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø6
- B7= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø8
- B8= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø8
- C2= 5/2 SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- C4= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø4
- C6= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø6
- C8= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø8
- E2= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- E4= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø4
- E6= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø6
- E8= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø8
- F2= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- F4= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø4
- F6= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø6
- F8= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø8
- G2= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- G4= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø4
- G6= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø6
- G8= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø8
- H2= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- H4= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø4
- H6= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø6
- H8= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø8

- T1= FREE VALVE SPACE PLUG + BASE 1 - CARTR. G1/8" F.
- T2= FREE VALVE SPACE PLUG + BASE 2 - CARTR. G1/8" F.
- T3= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø4
- T4= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø4
- T5= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø6
- T6= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø6
- T7= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø8
- T8= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø8

- W = INTERMEDIATE SUPPLY & EXHAUST MODULE
- U4= POWER SUPPLY MODULE 4 POSITIONS

- X = DIAPHRAGM PLUG ON PIPE 1
- Y = DIAPHRAGM PLUG ON PIPE 3
- Z = DIAPHRAGM PLUG ON PIPE 5

**NOTE:**

- BASE 1 = Modular base with electrical circuit that uses 1 electrical signal (can be used with monostable solenoid valves only)
- BASE 2 = Modular base with electrical circuit that uses 2 electrical signals (can be used with monostable and bistable solenoid valves indifferently)



**General :**

EtherNet/IP module is directly integrated on Optyma-T solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.

Optyma-T solenoid valves connected to node must be PNP equivalent (final 02 in ordering code).

The node can be easily installed also on solenoid valves manifold already mounted on equipment.

Module can manage up to 32 solenoid valves, and, in the same time, a max number of 8 Input modules 5225.12T, and a max number of 4 Input modules 5225.08T.

The EtherNet/IP module, regardless the number of Input module connected, reports to have connected 8 Input modules.

Regardless of the number of Input modules connected, the manageable solenoid valves are 32.

Node power supply is made by a M12 4P male circular connector.

The separation between node 24 VDC Power supply and outputs 24 VDC allows to switch off the outputs maintaining powered the node and inputs, if present.

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

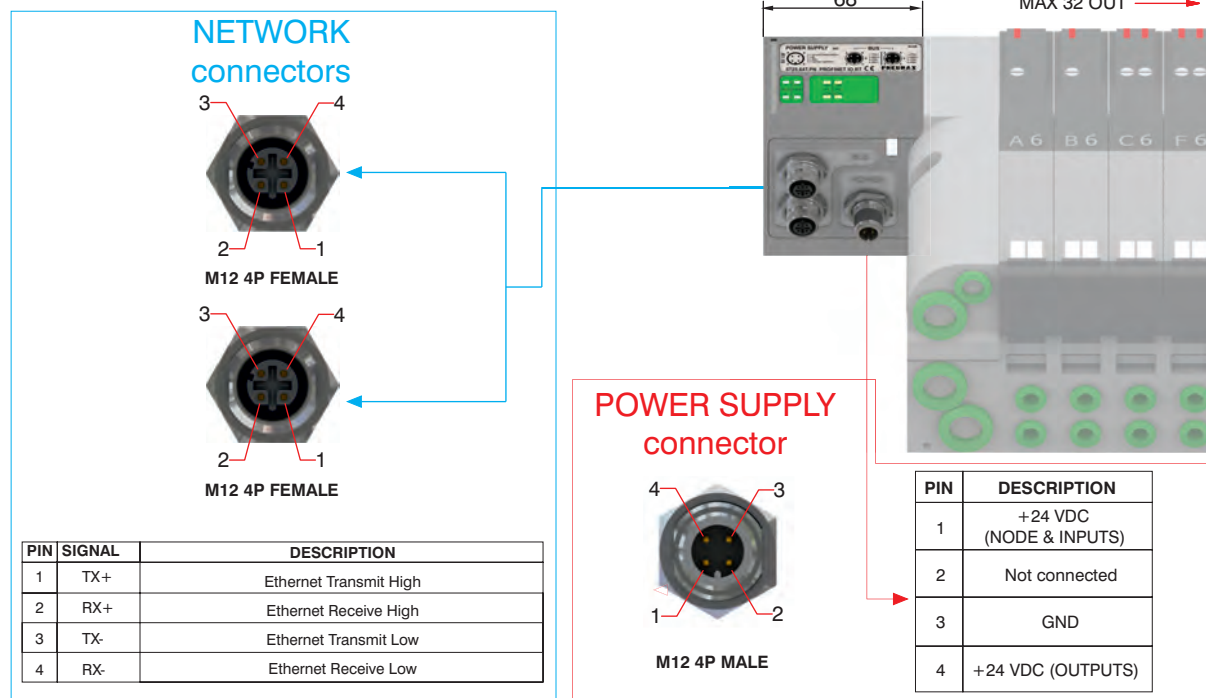
The node address is assigned during configuration.

**Ordering code**

**5725.64T.EI**



**Scheme / Overall dimensions and I/O layout :**

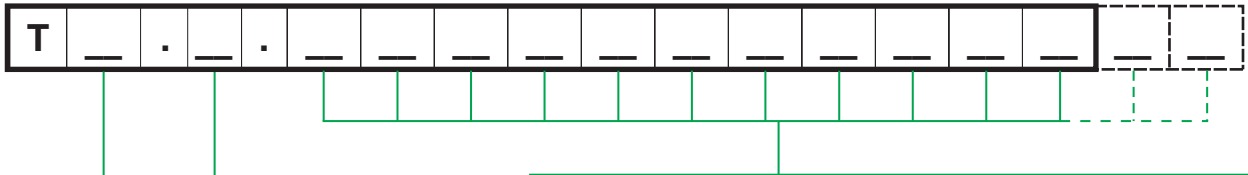


**Technical characteristics**

Model	5725.64T.EI	
Specifications	The EtherNet/IP Specification	
Case	Reinforced technopolymer	
<b>Power supply</b>	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without outputs)	400 mA
	Power supply diagnosis	Green led PWR / Green led OUT
<b>Outputs</b>	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for each output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
<b>Network</b>	Network connectors	2 M12 4P female connectors type D (IEC 61076-2-101)
	Baud rate	100 Mbit/s
	Addresses, possible numbers	As an IP address
	Max nodes in net	As an Ethernet Network
	Maximum distance between 2 nodes	100 m
	Bus diagnosis	1 green and 1 red LED for status + 4 LEDs for link & activity
	Configuration file	GSDML-V2.1-PNEUMAX-OPTYMA-20120801.xml
	IP protection grade	IP65 when assembled
	Temperature range	From 0° to +50° C



Manifold layout configuration complete with **EtherNet/IP** node



**BUS CONFIGURATION :**

- IA= PROFINET IO RT/IRT 32 OUT
- IB= PROFINET IO RT/IRT 32 OUT + 8 INPUTS
- IC= PROFINET IO RT/IRT 32 OUT + 16 INPUTS
- ID= PROFINET IO RT/IRT 32 OUT + 24 INPUTS
- IE= PROFINET IO RT/IRT 32 OUT + 32 INPUTS
- IF= PROFINET IO RT/IRT 32 OUT + 40 INPUTS
- IG= PROFINET IO RT/IRT 32 OUT + 48 INPUTS
- IH= PROFINET IO RT/IRT 32 OUT + 56 INPUTS
- II= PROFINET IO RT/IRT 32 OUT + 64 INPUTS

**ENDPLATES SELECTION:**

- A= 37 poles - external feeding left endplate plus closed right endplate
- B= 37 poles - self feeding left endplate plus closed right endplate
- C= 37 poles - external feeding left endplate plus 25 poles OUT closed right endplate plus 1 I/O module
- C1= 37 poles - external feeding left endplate plus 25 poles OUT closed right endplate plus 1 I/O module
- C2= 37 poles - external feeding left endplate plus 25 poles OUT closed right endplate plus 2 I/O modules
- D= 37 poles - self feeding left endplate plus 25 poles OUT closed right endplate plus 1 I/O module
- D1= 37 poles - self feeding left endplate plus 25 poles OUT closed right endplate plus 1 I/O module
- D2= 37 poles - self feeding left endplate plus 25 poles OUT closed right endplate plus 2 I/O modules

**NOTE:**

While configuring the manifold always be careful that the maximum number of electrical signals available is 32. The use of monostable valve mounted on a base type 2 ( 2 electrical signals occupied ) causes the loss of one electric signal. In this case the monostable valve can be replaced by a bistable valve. The diaphragms plugs are used to intercept the conduits 1,3 & 5 of the base. If it is necessary to interrupt more than one conduit in the same time then put in line the letters which identifies the position (for example : regarding the 3 & 5 conduits, put the Y & Z letters). Should one or more conduits be cut more than one time it is necessary to add the relevant intermediate Supply/Exhaust module.

**SHORT CODE FUNCTION / CONNECTION :**

- A1= 5/2 SOL.-SPRING + BASE 1 - CARTR. G1/8" F.
- A2= 5/2 SOL.-SPRING + BASE 2 - CARTR. G1/8" F.
- A3= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø4
- A4= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø4
- A5= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø6
- A6= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø6
- A7= 5/2 SOL.-SPRING + BASE 1 - CARTR. Ø8
- A8= 5/2 SOL.-SPRING + BASE 2 - CARTR. Ø8
- B1= 5/2 SOL.-DIFF. + BASE 1 - CARTR. G1/8" F.
- B2= 5/2 SOL.-DIFF. + BASE 2 - CARTR. G1/8" F.
- B3= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø4
- B4= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø4
- B5= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø6
- B6= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø6
- B7= 5/2 SOL.-DIFF. + BASE 1 - CARTR. Ø8
- B8= 5/2 SOL.-DIFF. + BASE 2 - CARTR. Ø8
- C2= 5/2 SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- C4= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø4
- C6= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø6
- C8= 5/2 SOL.-SOL. + BASE 2 - CARTR. Ø8
- E2= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- E4= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø4
- E6= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø6
- E8= 5/3 CC SOL.-SOL. + BASE 2 - CARTR. Ø8
- F2= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- F4= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø4
- F6= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø6
- F8= 2x3/2 NC-NC (= 5/3 CA) SOL.-SOL. + BASE 2 - CARTR. Ø8
- G2= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- G4= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø4
- G6= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø6
- G8= 2x3/2 NO-NO (= 5/3 CP) SOL.-SOL. + BASE 2 - CARTR. Ø8
- H2= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. G1/8" F.
- H4= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø4
- H6= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø6
- H8= 2x3/2 NC-NO SOL.-SOL. + BASE 2 - CARTR. Ø8

- T1= FREE VALVE SPACE PLUG + BASE 1 - CARTR. G1/8" F.
- T2= FREE VALVE SPACE PLUG + BASE 2 - CARTR. G1/8" F.
- T3= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø4
- T4= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø4
- T5= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø6
- T6= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø6
- T7= FREE VALVE SPACE PLUG + BASE 1 - CARTR. Ø8
- T8= FREE VALVE SPACE PLUG + BASE 2 - CARTR. Ø8

- W = INTERMEDIATE SUPPLY & EXHAUST MODULE
- U4= POWER SUPPLY MODULE 4 POSITIONS

- X = DIAPHRAGM PLUG ON PIPE 1
- Y = DIAPHRAGM PLUG ON PIPE 3
- Z = DIAPHRAGM PLUG ON PIPE 5

**NOTE:**

- BASE 1 = Modular base with electrical circuit that uses 1 electrical signal (can be used with monostable solenoid valves only)
- BASE 2 = Modular base with electrical circuit that uses 2 electrical signals (can be used with monostable and bistable solenoid valves indifferently)







**General :**

Modules have 8 connectors M8 3P female.

The Inputs are PNP equivalent 24 VDC ± 10%.

To each connector it is possible to plug both 2 wires Inputs (switches, magnetic switches pressure switches, etc) or 3 wires Inputs (proximity, photocells, electronic sensors, etc).

The maximum current available for all 8 Inputs is 200 mA.

Each module includes a 200 mA resettable fuse. If a short circuit or an overcharge (overall current >200mA) occur the safety device acts cutting the 24 VDC power supply to all M8 connectors on the module and switching off the green led. Any other Input module connected to the node will remain powered and will function correctly.

Once the cause of the fault disappears the green led PWR light up indicating the ON state and the node will re-start to operate.

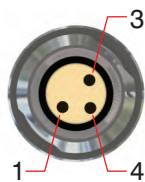
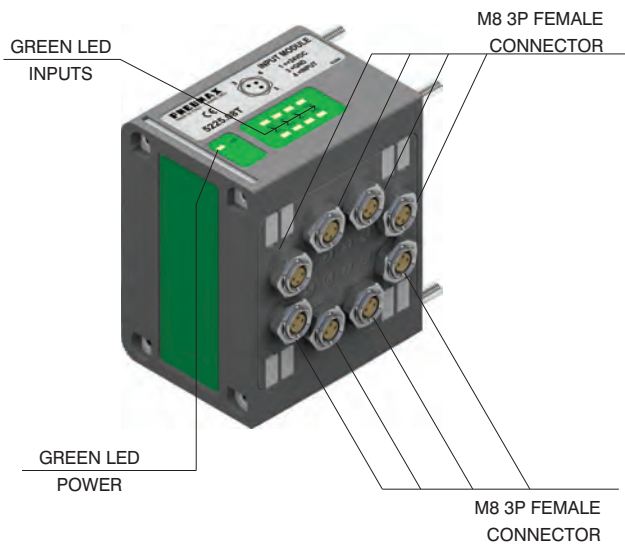
The maximum number of Input modules supported is 4.

**Ordering code**

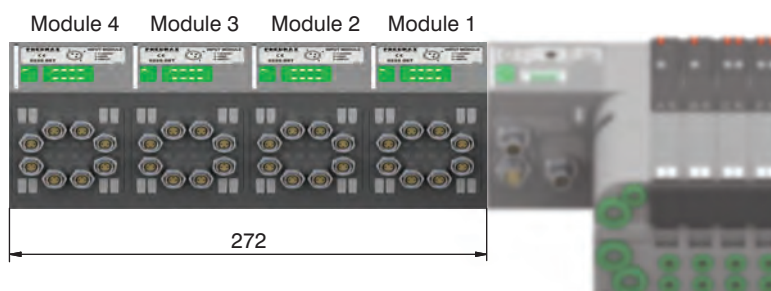
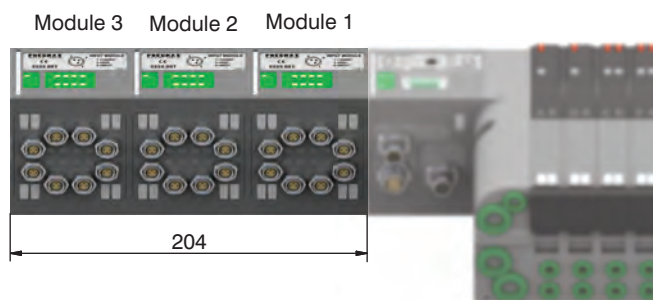
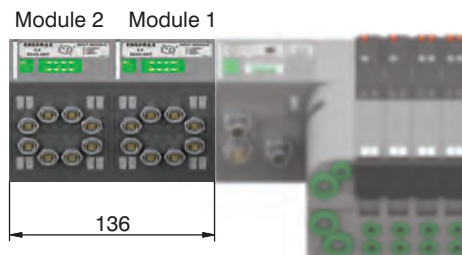
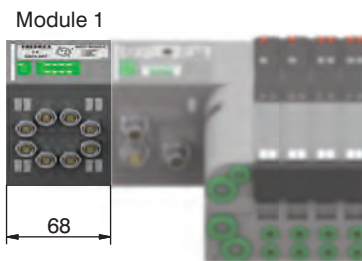
5225.08T



**Scheme / Overall dimensions and I/O layout :**



PIN	DESCRIPTION
1	+24 VDC
4	INPUT
3	GND



**General :**

Modules have 8 connectors M8 3P female.

The Inputs are PNP equivalent 24 VDC ±10%.

To each connector it is possible to plug both 2 wires Inputs (switches, magnetic switches pressure switches, etc) or 3 wires Inputs (proximity, photocells, electronic sensors, etc).

The maximum current available for all 8 Inputs is 200 mA.

Each module includes a 200 mA resettable fuse. If a short circuit or a overcharge (overall current >200mA) occur the safety device acts cutting the 24 VDC power supply to all M8 connectors on the module and switching off the green led PWR. Any other Input module connected to the node will remain powered and will function correctly.

Once the cause of the fault disappears the green led PWR light up indicating the ON state and the node will re-start to operate.

**The maximum number of Input modules supported is 4 for CANopen, DeviceNet and EtheCAT.**

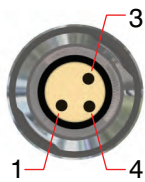
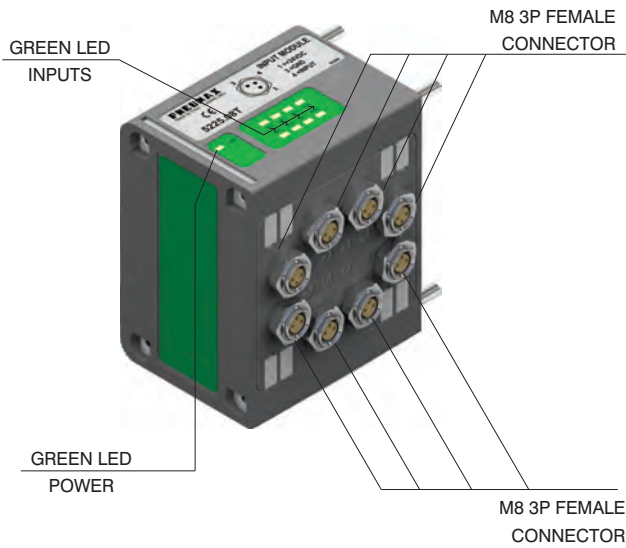
The maximum number of Input modules supported is 8 for PROFIBUS DP and PROFINET IO RT/IRT.

**Ordering code**

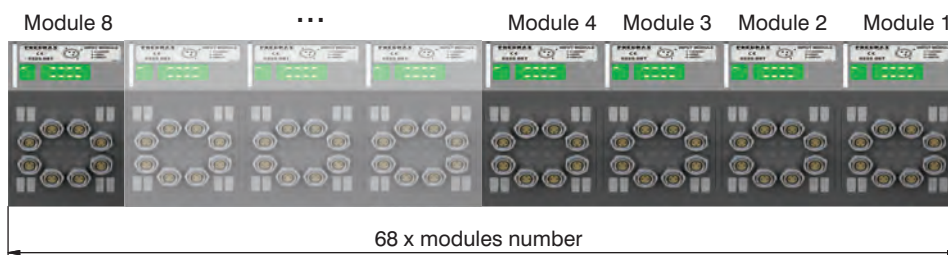
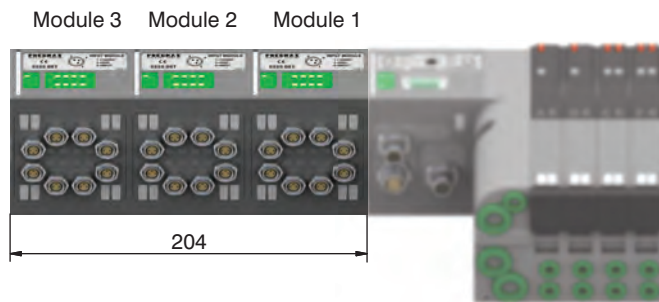
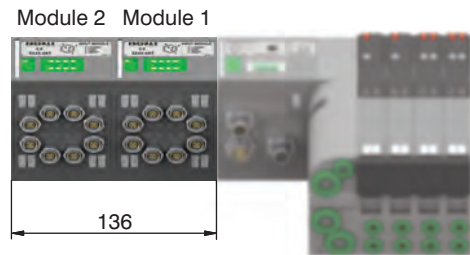
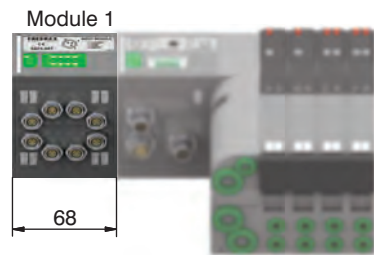
**5225.12T**



**Scheme / Overall dimensions and I/O layout :**



PIN	DESCRIPTION
1	+24 VDC
4	INPUT
3	GND



Socket for Power Supply  
STRAIGHT CONNECTOR  
M12A 4P FEMALE

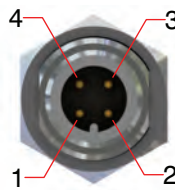
Ordering code

5312A.F04.00



**POWER SUPPLY connector**

Upper view  
Slave connector

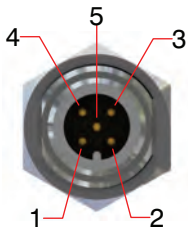


PIN	DESCRIPTION
1	+24 VDC Node
2	
3	0 V
4	+24 VDC Outputs

Socket for Bus CANopen/DeviceNet  
STRAIGHT CONNECTOR  
M12A 5P FEMALE

Ordering code

5312A.F05.00



PIN	DESCRIPTION
1	(CAN_SHIELD)
2	(CAN_V+)
3	CAN_GND
4	CAN_H
5	CAN_L

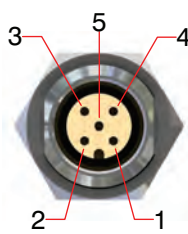
Upper view  
Slave connector

**NETWORK connectors**

Plug for Bus CANopen/DeviceNet  
STRAIGHT CONNECTOR  
M12A 5P MALE

Ordering code

5312A.M05.00



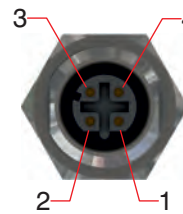
Plug for Bus EtherCAT<sup>®</sup> /  
PROFINET IO RT/IRT / EtherNet/IP  
STRAIGHT CONNECTOR  
M12D 4P MALE

Ordering code

5312D.M04.00



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

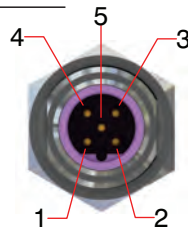


Upper view  
Slave connector

Socket for Bus PROFIBUS DP  
STRAIGHT CONNECTOR  
M12B 5P FEMALE

Ordering code

5312B.F05.00



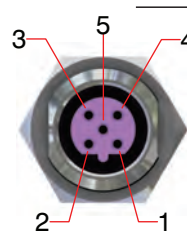
PIN	DESCRIPTION
1	Power Supply
2	A-line
3	DGND
4	B-line
5	SHIELD

Upper view  
Slave connector

Plug for Bus PROFIBUS DP  
STRAIGHT CONNECTOR  
M12B 5P MALE

Ordering code

5312B.M05.00



Plug for Input module  
STRAIGHT CONNECTOR  
M8 3P MALE

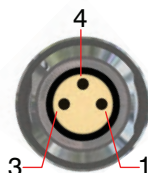
Ordering code

5308A.M03.00



**INPUT connectors**

Upper view  
Slave connector



PIN	DESCRIPTION
1	+24 VDC
4	INPUT
3	GND

Plug for Input module  
STRAIGHT CONNECTOR  
M12A 5P MALE

Ordering code

5312A.M05.00



M12 plug

Ordering code

5300.T12

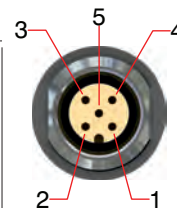


Plugs

M8 plug

Ordering code

5300.T08



PIN	DESCRIPTION
1	+24 VDC
2	INPUT B
3	GND
4	INPUT A
5	NC

Trademarks: EtherCAT<sup>®</sup> is registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.

