



General characteristics

Optyma32-S has been designed in order to complete the Optyma series of valves.

Optyma –S ,12.5mm size, integrates all the technical features already developed and implemented on the Optima T & F such as the integrated electrical connection. Further technical specifications are:

- Flow rate: up to 550[NI/min], using the modular base with Ø8 quick fitting tube
- Modular base available with Ø4, Ø6, Ø8 quick fitting tube
- The solenoid pilots are low consumption and fitted on the same side of the valve
- Mono and bi-stable valves have the same dimension
- Easy and fast assembly on the sub base thanks to the "one screw" mounting solution
- Possibility to replace a valve without the need of disconnecting the pneumatic pipes
- Electrical and pneumatic connections positioned on the same side
- Possibility to operate with different pressures and vacuum
- Quick coupling connections for consumption, exhaust and air supply all on the same side
- Management of 32electrical signals,(16 bi-stable or any combination off mono and bi-stable vales up to max 32 signals).
- The electrical connection is achieved thanks to a 37 pole connector, as an alternative it is possible to use a 25 pole connector which can handle a maximum of 22 electrical signals.
- The protection grade is IP65 directly integrated in the manifold components.
- Manifolds can be directly integrated with the most common field bus systems.

"Shifting time of pneumatic directional control valves or moving parts, logic devices were measured in accordance to ISO 12238:2001, Pneumatic fluid power-Directional control valves-Measurement of shifting time"

Main characteristics

One size: 12.5mm thick

Monostable and bistable valves with same dimensions

Modular subbase with two positions

Modular subbases assembled via tie rods

Quick coupling connections directly integrated in the sub base

Integrated and optimized electrical connections as standard

IP65 protection grade as standard

Construction characteristics

Body	Technopolymer
Operators	Technopolymer
Spools	AISI 303 stainless steel
Spacers	Technopolymer
Seals	NBR
Piston seals	NBR
Springs	AISI 302 stainless steel
Pistons	Technopolymer

Functions

Voltage	24 VDC ±10% PNP (NPN and AC on request)
Pilot consumption	0,5 Watt
Valve working pressure [1]	from vacuum to 10 bar max.
Pilot working pressure [12-14]	from 2,5 to 7 bar max.
Operating temperature	from -5°C to +50°C
Protection degree	IP65
Life (standard operating conditions)	50.000.000
Fluid	Filtered and lubricated air or not
	(if lubricated air, the lubrication must be continuous)





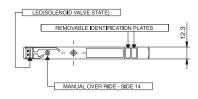
Ordering code

2241.52.00.39.

VOI TAGE 02 = 24 VDC PNP 12 = 24 VDC NPN 05 = 24 VAC



128.6



Flow rate at 6 bar with Δp =1 (NI/min) with Base cod. 2244.01 \P 0 tube O4= 140 Flow rate at 6 bar with Δp =1 (NI/min) with Base cod. 2246.01 \P 0 tube O6= 400 *Flow rate at 6 bar with Δp =1 (NI/min) with Base cod. 2248.01 \P 0 tube O8= 550



SHORT FUNCTION CODE "A"
"Shifting time of pneumatic directional control valves or moving
parts, logic devices were measured in accordance to ISO
12238:2001, Pneumatic fluid power - Directional control valves Measurement of shifting time."

Operational chara	cteristic						
Fluid	*Flow rate at 6 bar with Δp=1 (NI/min)	Responce time according to ISO 12238, activation time (ms)	Responce time according to ISO 12238, deactivation time (ms)	Working pressure (bar)	Pressure range (bar)	Temperature °C	Weight (gr.)
Filtered air, with or without lubrication	550	12	20	From vacuum to 10	2,5 - 7	-5° / +50°	67

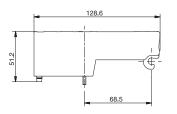
Solenoid - Differential

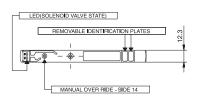
Ordering code

2241.52.00.36.

VOLTAGE 02 = 24 VDC PNP 12 = 24 VDC NPN 05 = 24 VAC







Flow rate at 6 bar with Δp =1 (NI/min) with Base cod. 2244.01 \P 0 tube O4= 140 Flow rate at 6 bar with Δp =1 (NI/min) with Base cod. 2246.01 \P 0 tube O6= 400 *Flow rate at 6 bar with Δp =1 (NI/min) with Base cod. 2248.01 \P 0 tube O8= 550



SHORT FUNCTION CODE "B"
"Shifting time of pneumatic directional control valves or moving
parts, logic devices were measured in accordance to ISO
12238:2001, Pneumatic fluid power - Directional control valves Measurement of shifting time."

	Operational characteristic							
	Fluid	*Flow rate at 6 bar with Δp=1 (NI/min)	Responce time according to ISO 12238, activation time (ms)	Responce time according to ISO 12238, deactivation time (ms)	Working pressure (bar)	Pressure range (bar)	Temperature °C	Weight (gr.)
	Filtered air, with or without lubrication	550	20	25	From vacuum to 10	2,5 - 7	-5° / +50°	67

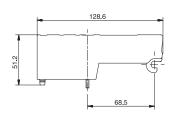
Solenoid - Solenoid

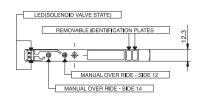
Ordering code

2241.52.00.35.

VOLTAGE 02 = 24 VDC PNP 12 = 24 VDC NPN 05 = 24 VAC







Flow rate at 6 bar with Δp =1 (Nl/min) with Base cod. 2244.01 \P 0 tube 04= 140 Flow rate at 6 bar with Δp =1 (Nl/min) with Base cod. 2246.01 \P 0 tube 06= 400 *Flow rate at 6 bar with Δp =1 (Nl/min) with Base cod. 2248.01 \P 0 tube 08= 550



SHORT FUNCTION CODE "C" "Shifting time of pneumatic directional control valves or moving parts, logic devices were measured in accordance to ISO 12238:2001, Pneumatic fluid power - Directional control valves - Measurement of shifting time."

Operational characteristic							
Fluid	*Flow rate at 6 bar with Δp=1 (NI/min)	Responce time according to ISO 12238, activation time (ms)	Responce time according to ISO 12238, deactivation time (ms)	Working pressure (bar)	Pressure range (bar)	Temperature °C	Weight (gr.)
Filtered air, with or without lubrication	550	10	10	From vacuum to 10	2,5 - 7	-5° / +50°	67

Solenoid - Solenoid - (5/3 Closed centres)

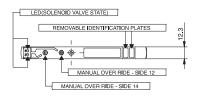
Ordering code

2241.53.31.35.

VOI TAGE 02 = 24 VDC PNP 12 = 24 VDC NPN 05 = 24 VAC



128.6



SHORT FUNCTION CODE "E"
"Shifting time of pneumatic directional control valves or moving
parts, logic devices were measured in accordance to ISO
12238:2001, Pneumatic fluid power - Directional control valves Measurement of shifting time."

Flow rate at 6 bar with Δp =1 (NI/min) with Base cod. 2244.010 tube 04= 140 Flow rate at 6 bar with Δp =1 (NI/min) with Base cod. 2246.010 tube 06= 300 *Flow rate at 6 bar with Δp =1 (NI/min) with Base cod. 2248.010 tube 08= 400

Operational chara	cteristic						
Fluid	*Flow rate at 6 bar with $\Delta p=1$ (NI/min)	Responce time according to ISO 12238, activation time (ms)	Responce time according to ISO 12238, deactivation time (ms)	Working pressure (bar)	Pressure range (bar)	Temperature °C	Weight (gr.)
Filtered air, with or without lubrication	400	15	20	From vacuum to 10	2,5 - 7	-5° / +50°	83

Solenoid - Solenoid 2x3/2

Ordering code

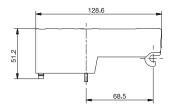
2241.62. 35.

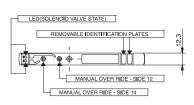
FUNCTION 44 = NC - NC (5/3 Open centres) 55 = NO - NO (5/3 Pressured centres)

VOLTAGE 02 = 24 VDC PNP 12 = 24 VDC NPN

05 = 24 VAC







Flow rate at 6 bar with Δp=1 (NI/min) with Base cod. 2244.01 tube Ø4= 140 Flow rate at 6 bar with Δp =1 (NI/min) with Base cod. 2246.01 \bullet tube Ø6= 360 *Flow rate at 6 bar with Δp =1 (NI/min) with Base cod. 2248.01 \bullet tube Ø8= 420

SHORT FUNCTION CODE:
NC-NC (5/3 Open centres)="F"
NO-NO (5/3 Pressured centres)="C"
"Shifting time of pneumatic directional control valves or moving parts, logic devices were measured in accordance to ISO 12238.2001, Pneumatic fluid power
- Directional control valves - Measurement of shifting time."

Operational characteristic "Example: If inlet pressure is set at 5bar then pilot pressure must be at least Pp=3+(0.2*5)= 4bar"							
Fluid	*Flow rate at 6 bar with Δp=1 (NI/min)	Responce time according to ISO 12238, activation time (ms)	time according to ISO Responce time according to ISO activation time (ms) Responce time according to ISO Working pressure (bar) Pressure range (bar) Temperature °		Temperature °C	Weight (gr.)	
Filtered air, with or without lubrication	420	15	25	From vacuum to 10	≥3+(0,2xP.alim.)	-5° / +50°	75

Solenoid - Solenoid 2x3/2

Ordering code

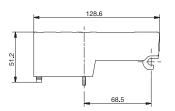
2241.62. 35.

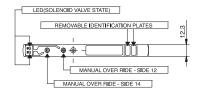
45 = NC - NO (Normally Closed -Normally Open)

54 = NO - NC (Normally Open - Nor-

VOLTAGE 02 = 24 VDC PNP 12 = 24 VDC NPN 05 = 24 VAC

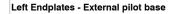






Flow rate at 6 bar with Δp=1 (NI/min) with Base cod. 2244.01 tube Ø4= 140
Flow rate at 6 bar with Δp=1 (NI/min) with Base cod. 2246.01 tube Ø6= 360
*Flow rate at 6 bar with Δp=1 (NI/min) with Base cod. 2248.01 tube Ø8= 420
*Flow rate at 6 bar with Δp=1 (NI/min) with Base cod. 2248.01 tube Ø8= 420
*Flow rate at 6 bar with Δp=1 (NI/min) with Base cod. 2248.01 tube Ø8= 420
*Flow rate at 6 bar with Δp=1 (NI/min) with Base cod. 2248.01 tube Ø8= 420
*Flow rate at 6 bar with Δp=1 (NI/min) with Base cod. 2248.01 tube Ø8= 420
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Operational characteristic "Example: If inlet pressure is set at 5bar then pilot pressure must be at least Pp=3+(0.2*5)= 4bar"								
	Fluid	*Flow rate at 6 bar with $\Delta p = 1$ (NI/min)			Pressure range (bar)	Temperature °C	Weight (gr.)	
	Filtered air, with or without lubrication	420	15	25	From vacuum to 10	≥3+(0,2xP.alim.)	-5° / +50°	75



Ordering code

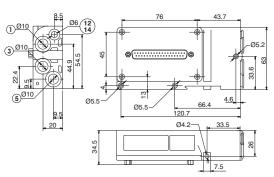
2240.02.

CONNECTIONS 37P = Connectors 37 poles PNP

25P = Connectors 25 poles PNP

37N = Connectors 37 poles NPN 25N = Connectors 25 poles NPN 37A = Connectors 37 poles AC 25A = Connectors 25 poles AC





12/14 separated from port 1

Operational	Fluid	Pressure range (bar)	Pilot working pressure (bar)	Temperature °C	Weight (gr.)
characteristic	Filtered air, with or without lubrica- tion	From vacuum to 10	2,5 - 7	-5 - +50	174

Left Endplates - Self-feeding base

Ordering code

2240.12.

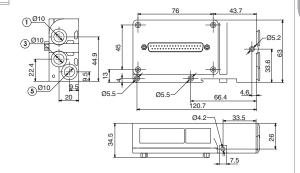
CONNECTIONS

37P = Connectors 37 poles PNP 25P = Connectors 25 poles PNP

37N = Connectors 37 poles NPN 25N = Connectors 25 poles NPN

37A = Connectors 37 poles AC 25A = Connectors 25 poles AC





12/14 connected to port 1

Operational	Fluid	Pressure range and pilot working pressure (bar)	Temperature °C	Weight (gr.)
characteristic	Filtered air, with or without lubrication	2,5 - 7	-5 - +50	174

Right Endplates

Ordering code

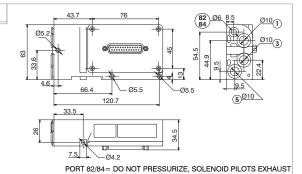
2240.03.

CONNECTIONS

6 00 = Exhaust electrical connection closed

25P = Connectors 25 poles PNP





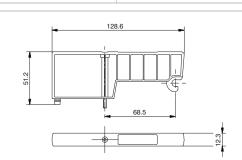
Operational	Fluid	Pressure range (bar)	Temperature °C	Weight (gr.)
characteristic	Filtered air with as without lubrication	From vacuum to 10	E 150	174

Closing plate

Ordering code

2240.00





SHORT FUNCTION CODE "T"

Operational	Fluid	Pressure range (bar)	Temperature °C	Weight (gr.)
characteristic	Filtered air, with or without lubrication	From vacuum to 10	-5 - +50	30



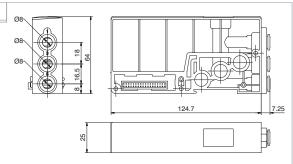
Intermediate Inlet/Exhaust module

Ordering code

2240.10

SHORT FUNCTION CODE "W"





Operational	Fluid	Pressure range (bar)	Temperature °C	Weight (gr.)
characteristic	Filtered air, with or without lubrication	From vacuum to 10	-5 - +50	105

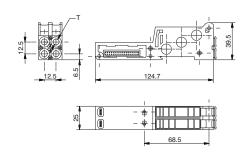
Modular base (2 places) Quick fitting tube Ø4

Ordering code

2244.**🗇**🖤

FUNCTION 01=Opened port 06=Separated ports 07=Port 1 separated 08=Ports 3-5 separated VERSION M=Monostable B=Bistable





SHORT FUNCTION CODE "4" (Bistable) Opened ports SHORT FUNCTION CODE "46" (Bistable) Separated ports SHORT FUNCTION CODE "47" (Bistable) Port 1 separated SHORT FUNCTION CODE "48" (Bistable) Ports 3-5 separated

SHORT FUNCTION CODE "3" (Monostable) Opened ports
SHORT FUNCTION CODE "36" (Monostable) Separated ports
SHORT FUNCTION CODE "37" (Monostable) port 1 separated
SHORT FUNCTION CODE "38" (Monostable) Ports 3-5 separated

Operational	Fluid	Flow rate at 6 bar with Δp=1 (NI/min)	Pressure range (bar)	Temperature °C	Weight (gr.)	
characteristic	Filtered air, with or without lubrica- tion	140	From vacuum to 10	-5 - +50	75	

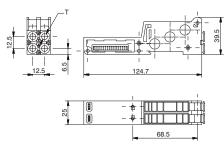
Modular base (2 places) Quick fitting tube Ø6

Ordering code

2246.

01=Opened port 06=Separated ports 07=Port 1 separated 08=Ports 3-5 separated VERSION M=Monostable B=Bistable





SHORT FUNCTION CODE "6" (Bistable) Opened ports SHORT FUNCTION CODE "66" (Bistable) Separated ports SHORT FUNCTION CODE "67" (Bistable) Port 1 separated SHORT FUNCTION CODE "68" (Bistable) Ports 3-5 separated

SHORT FUNCTION CODE "5" (Monostable) Opened ports
SHORT FUNCTION CODE "56" (Monostable) Separated ports
SHORT FUNCTION CODE "57" (Monostable) Port 1 separated
SHORT FUNCTION CODE "58" (Monostable) Ports 3-5 separated

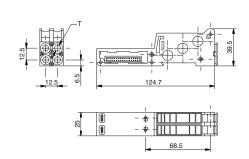
Operational	Fluid	Flow rate at 6 bar with Δp=1 (NI/min)	Pressure range (bar)	Temperature °C	Weight (gr.)
characteristic	Filtered air, with or without lubrica- tion	400	From vacuum to 10	-5 - +50	75

Modular base (2 places) Quick fitting tube Ø8

Ordering code

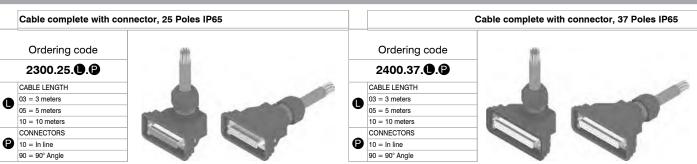
2248.**🗇** FUNCTION 01=Opened port 06=Separated ports 07=Port 1 separated 08=Ports 3-5 separated VERSION M=Monostable B=Bistable

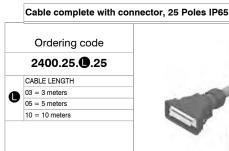




SHORT FUNCTION CODE "8" (Bistable) Opened ports SHORT FUNCTION CODE "86" (Bistable) Sepatared ports SHORT FUNCTION CODE "87" (Bistable) Port 1 separated SHORT FUNCTION CODE "88" (Bistable) Ports 3-5 separated SHORT FUNCTION CODE "7" (Monostable) Opened ports SHORT FUNCTION CODE "76" (Monostable) separated ports SHORT FUNCTION CODE "77" (Monostable) Port 1 separated SHORT FUNCTION CODE "78" (Monostable) Ports 3-5 separated

Operational	Fluid	Flow rate at 6 bar with Δp=1 (NI/min)	Pressure range (bar)	Temperature °C	Weight (gr.)
characteristic	Filtered air, with or without lubrica-	550	From vacuum to 10	-5 - +50	75





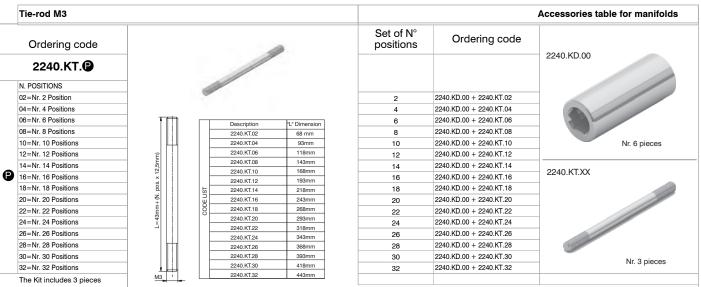






Polyethylene Silencer Series SPL-R







Using the 2240.03.25P output terminal it is possible to make any electrical signals not used by valves available on a 25 sub-D female connector at the right end of the manifold.

It is possible to then join a multi-core cable to link to the next manifold, or connect directly to one or two I/O modules.

The I/O modules can accept input or output signals, depending upon what is connected.



Please note: If the manifold is connected by a multi-core connection, each connection can be used as either an input or an output, while if the manifold is connected to a serial node the connections can only be used as an output.

It is possible to connect the manifold to up to two I/O modules.

Each I/O module includes 8 diagnostic LEDs which indicate the presence of an Input / Output signal for each connector.

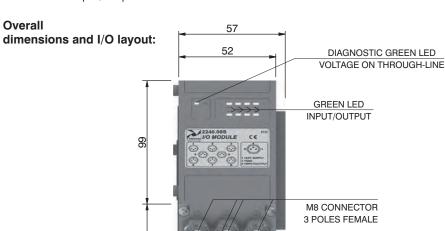
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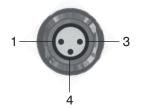
Please note: For an LED to function, a signal of at least +15VDC must be present on pin 4 of the connector. If this signal is lower, the LED will not light, this does not compromise the normal Input/Output function of the unit.

Ordering code

2240.08S







PIN	DESCRIPTION
1	+24 VDC
4	INPUT/OUTPUT
3	GND

Input features:

Each connection can accept either two wire (switches, magnetic switches, pressure switches, etc.) or three wire connections (photocells, electronic end of stroke sensors, etc.) if +24VDC is required on at Pin 1 of each connector, it is possible to provide this via the through-line pin of the multi-pole connector.

M8 CONNECTOR 3 POLES FEMALE

l.E:

Pin 25 of the 25 pin multi-pole connector (code 2240.02.25P or 2240.12.25P) Pin 36-37 of the 37 pin multi-pole connector (code 2240.02.37P or 2240.12.37P)

Output features:

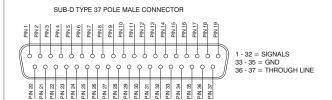


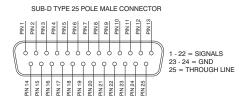
Attention: The output connections are not protected against short-circuit. Please pay attention when wiring (avoid Pin 4 being connected to Pin 3 or Pin 1).

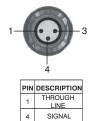
	Model	2240.08S	
	Case	Reinforced technopolymer	
	I/O Connector	M8 connector 3 poles female (IEC 60947-5-2)	
S	PIN 1 voltage (connector used as Input)	by the user	
# # # # # # # # # # # # # # # # # # #	PIN 4 voltage diagnosis	Green Led	
eneral	Node consumption (Outlets excluded)	7mA per each LED with 24 VDC signal	
e F	Outlets voltage	+23,3 VDC (serial) /by the user (multipolar)	
en	Input voltage	Depend by the using	
Q G	Maximum outlet current	100 mA (serial) / 400 mA (multipolar)	
<u> </u>	Maximum Input/Output	8 per module	
등	Multiconnector max. Current	100 mA	
	Connections to manifold	Direct connection to 25 poles connector	
	Maximum n. of moduls	2	
	Protection degree	IP65 when assembled	
	Ambient temperature	from -0° to +50° C	











GND

Connection modes:

The I/O module changes it is operation depending on the way the manifold is controlled. There are two possible modes:

- A) Control via multi-pole connection
- B) Control via fieldbus

A) Control via multi-pole:

M8 connector used as Input:

PIN DESCRIPTION
THROUGH

SIGNAL



Attention: Voltage applied to each connector is passed to multi-pole connector pin.

In order to use the I/O module, the correct right hand endplate with 25 pole female outlet connector must be used. (Code 2240.03.25P).



M8 connector used as Output:

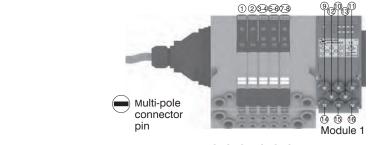
Output voltage will the same as is applied at the multi-pole connector pin.

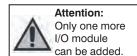
The maximum output current depends upon the power unit used, but we recommend no more than 250mA.

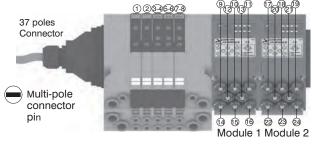


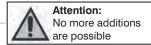


Attention: Since every cable has a degree of resistance, there will always be a voltage drop depending on the cable's length, sectional area and the current.





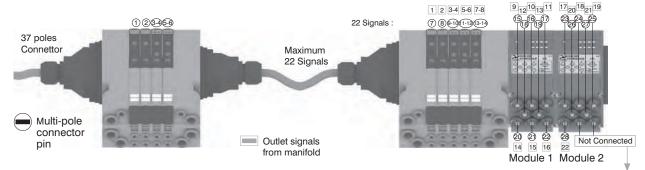




Attention: Optyma 32-S solenoid valve manifolds permit up to 22 electrical signals that are not used by manifolds to be made available:

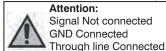
these signals can be managed by another manifold and / or by I/O modules.

The I/O module will manage these unused signals. Connections that are not managing useful signals will remain unconnected.



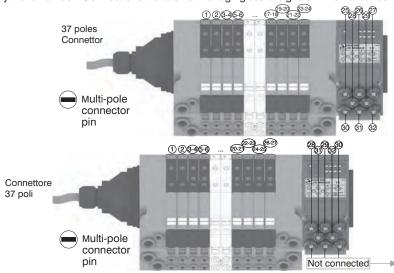
Please note: this example considers a 37 pin multi-pole connector.

The same configuration managed by a 25 pin multi-pole connector will stop at number 22 of multi-pole connector and at number 17 of the manifold. 29 16



Series 2200

Please note: Optyma 32-S solenoid valve manifolds manage up to 32 signals. If the manifold uses more than 24 signals the I/O module will manage only the remainder. Connections that are not managing useful signals will remain unconnected.

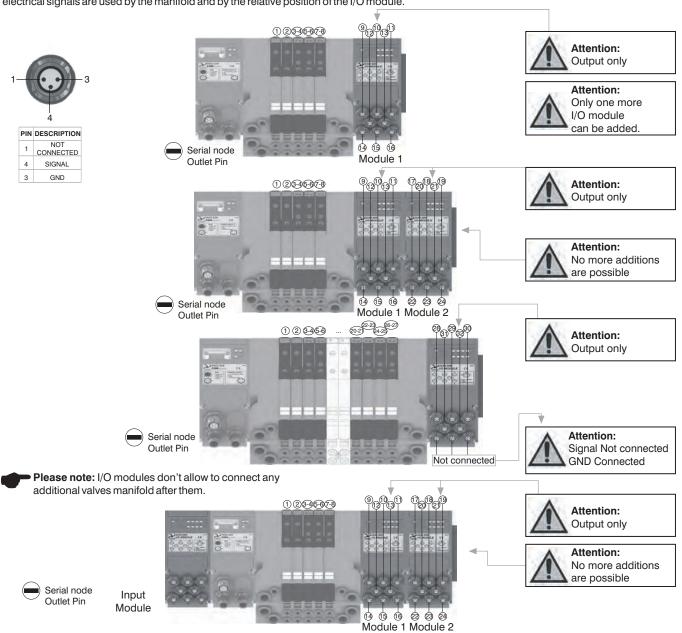


Attention: Signal Not connected **GND** Connected Through line Connected

B) Control via fieldbus:

With this kind of control the I/O module can only be used as an output. Pin 1 of each connector is not connected. The output voltage will be 0.7V lower than that applied to Pin 4 of the connector.

The maximum output current for each output is 100mA. Te correspondence between control byte and each single output depends on how many electrical signals are used by the manifold and by the relative position of the I/O module.



Electrical connection

The electrical connection is made using a 37 pin connector and can manage up to 32 electrical signals. Alternatively a 25 pin connector can be used which is suitable for up to 22 electrical signals. The distributions of the electrical signals between sub-bases achieved thanks to a dedicated electrical connector positioned in each sun-base which diverts the signals needed to operate the solenoid pilots of the valve mounted on the sub-base and passing unused signals forward to the next base.

The Optyma-S sub-bases are designed to carry two valves and are available in the following configurations:

Sub-base configurations	Signals used for the single position	Total number of used signal
Sub-base for 2	2 signals used for the first position	
bistable valves	2 signals used for the second position	4
Sub-base for 2	1 signal used for the first position	2
monostable valves	1 signal used for the second position	2

Sub-base for 2 bistable valves

On the sub base for 2 bistable valves the first electrical signal is used to actuate the solenoid pilot on side 14 of the first position, the second signal is used to actuate the solenoid pilot on side 12 of the first position. Each sub base uses 4 electric signals. The same layout applies to the following position therefore the third signal is used to actuate the solenoid pilot on side 14 of the second position and the fourth signal is used to actuate the solenoid pilot on side 12 of the second position.

The remaining signals are transferred downstream.

On a bistable sub base it is possible to mount both bistable or monostable valves (in the second case 1 electrical signal for each valve is wasted). This solutions enables the user to change the manifold layout without the need to re-configure the output correspondence on the PLC. The use of bistable sub-bases reduces the maximum number of valves that can be mounted on the manifold: If the 37 pole connector is used the maximum number of valves is 16 If the 25 pole connector is used the maximum number of valves is 10.

Sub-base for 2 monostable valves

On the sub base for 2 monostable valves the first electrical signal is used to actuate the solenoid pilot on side 14 of the first position, the second signal is used to actuate the solenoid pilot on side 12 of the second position. Each sub base uses 2 electric signals. The remaining signals are transferred downstream. On a monostable sub base it is possible to mount only monostable valves (shoud a bistable valve be mounted on a monostable sub base it will not be possible to actuate the solenoid pilot on side 12). This solutions enables the user to maximise the manifold lay out using all the electrical signals available.

If the 37 pole connector is used the maximum number of valves is 32 If the 25 pole connector is used the maximum number of valves is 22



Note:

Monostable valves, which are fitted with only one solenoid pilot can be mounted on both monostable or bistable sub bases.

Bistable valves ,5/3; 2x3/2;2x2/2, which are fitted with 2 solenoid pilots and therefore always use two electrical signals must always be mounted on bistable subbases.

Additional exhaust and air supply modules:

The Additional exhaust and air supply module is fitted with a dedicated electrical connector which does not use any electric signal but simply carries forward all signals which have not been used by the valves mounted before it.

This enables its use in any position of the manifold.



Unused electrical signals

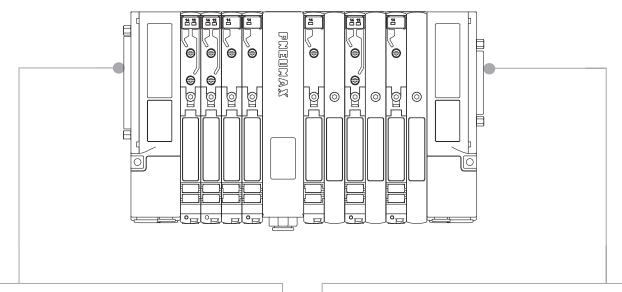
The electrical signals which have not been used in the manifold can be made available by using the end plate fitted with the 25 pole connector.

The number of electric signals available depends on the type of connector mounted on the inlet plate and on the number of signals used in the manifold:

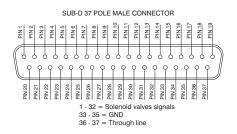
37 pole Inlet connector: N. of outputs = 32 - used signals (max 22)

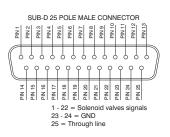
25 pole Inlet connector: N. of outputs = 22 - used signals

Here are some examples of possible configurations and the corresponding pin layout both on the inlet and end plate:

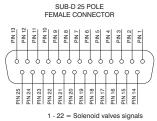


INLET ELECTRIC CONNECTIONS





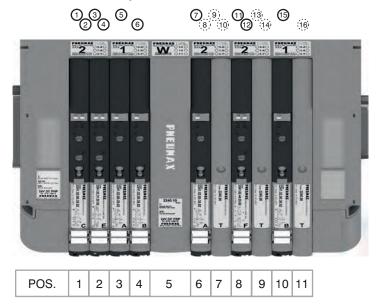
OUTLET ELECTRIC CONNECTIONS (IF PRESENT)



1 - 22 = Solenoid valves signals 23 - 24 = GND 25 = Through line

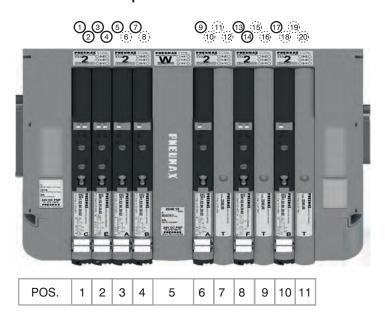


37 PIN Connector correspondence for valves assembled on mixed bases



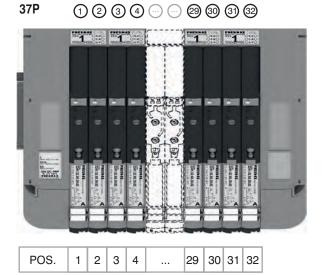
PIN 1 = PILOT 14 EV POS.1 PIN 2 = PILOT 12 EV POS.1 PIN 3 = PILOT 14 EV POS.2 PIN 4 = PILOT 12 EV POS.2 PIN 5 = PILOT 14 EV POS.3 PIN 6 = PILOT 14 EV POS.4 PIN 7 = PILOT 14 EV POS.6 PIN 8 = NOT CONNECTED PIN 9 = NOT CONNECTED PIN 10 = NOT CONNECTED PIN 11 = PILOT 14 EV POS.8 PIN 12 = PILOT 12 EV POS.8 PIN 13 = NOT CONNECTED PIN 14 = NOT CONNECTED PIN 15 = PILOT 14 EV POS.10 PIN 16 = NOT CONNECTED

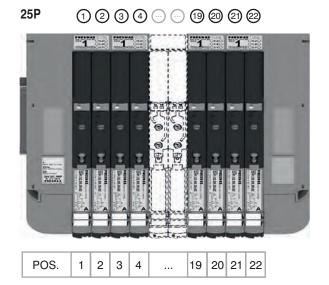
37 PIN Connector correspondence for manifold mounted on bases for bistable valves



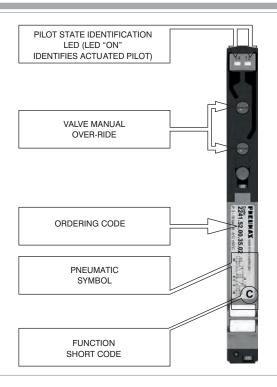
PIN 1 = PILOT 14 EV POS.1 PIN 2 = PILOT 12 EV POS.1 PIN 3 = PILOT 14 EV POS.2 PIN 4 = PILOT 12 EV POS.2 PIN 5 = PILOT 14 EV POS.3 PIN 6 = NOT CONNECTED PIN 7 = PILOT 14 EV POS.4 PIN 8 = NOT CONNECTED PIN 9 = PILOT 14 EV POS.6 PIN 10 = NOT CONNECTED PIN 11 = NOT CONNECTED PIN 12 = NOT CONNECTED PIN 13 = PILOT 14 EV POS.8 PIN 14 = PILOT 12 EV POS.8 PIN 15 = NOT CONNECTED PIN 16 = NOT CONNECTED PIN 17 = PILOT 14 EV POS.10 PIN 18 = NOT CONNECTED PIN 19 = NOT CONNECTED PIN 20 = NOT CONNECTED

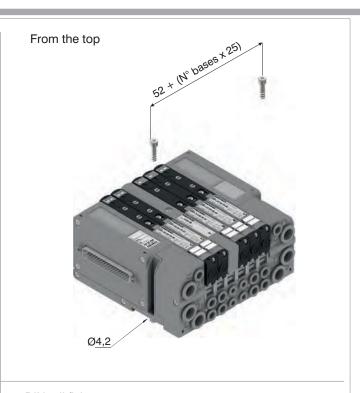
37 PIN Connector correspondence for manifold for 32 position manifold with monostable valves on double bases

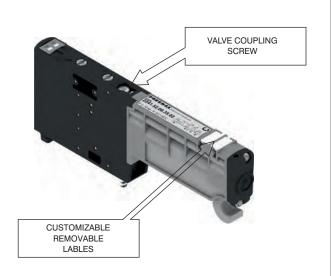


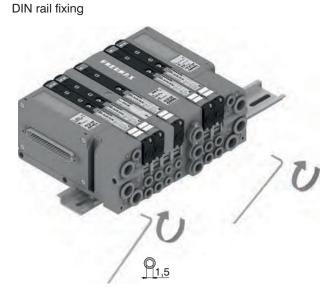


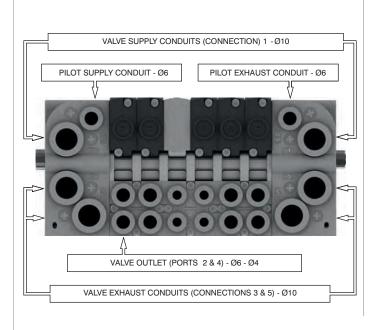


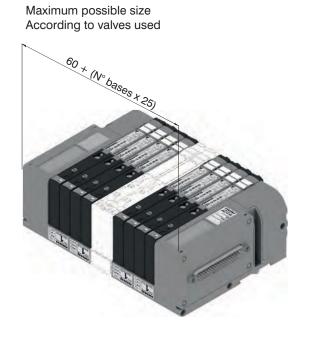






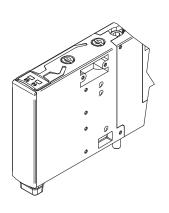


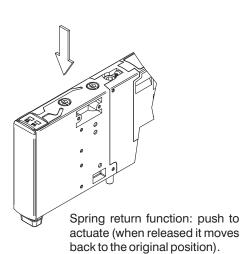








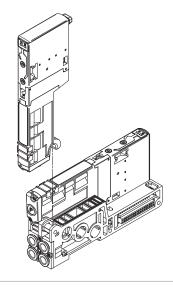


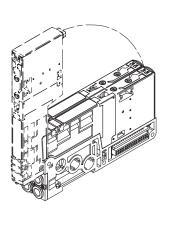


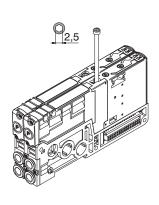
Latching function: push and turn to get the latching function

NOTE: It is strongly suggested to replace the original position after using

Valve Installation

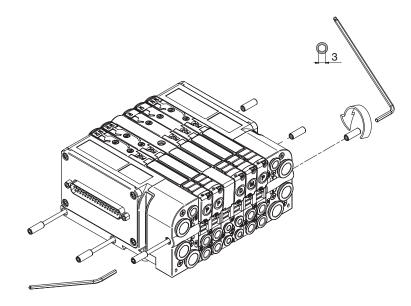






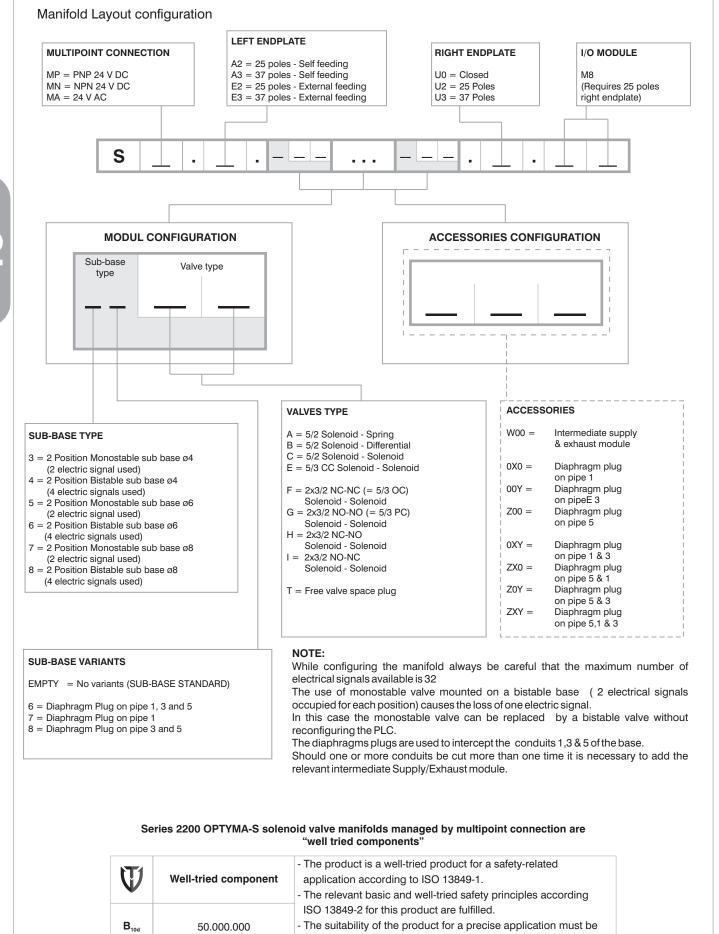
Torque moment (Nm): 0,8

Manifold assembly



Min. torque moment : 2 Nm Max. torque moment: 2,5 Nm





verified and confirmed by the user.

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

Optyma-S 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 5222.08S.

CANopen® 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 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.

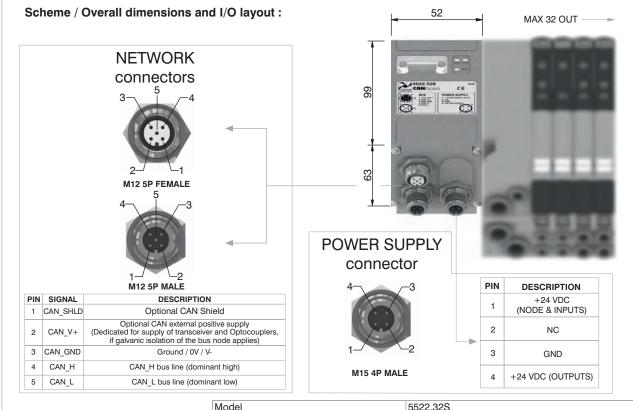
The node address can be set by 6 dip-switches using BCD numeration.

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

Ordering code

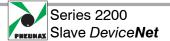
5522.32S





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	Middel 5522.325		
	Specifications	CiA Draft Standard Proposal 301 V 4.10 (15 August 2006)	
	Case	Reinforced technopolymer	
Power supply	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	
Outputs	PNP equivalent outputs	+24 VDC +/- 10%	
	Maximum current for each output	100 mA	
	Maximum output number	32	
	Max output simultaneously actuated	32	
Network	Network connectors	2 M12 5P connectors male-female Type A (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: http://www.pneumaxspa.com	
	IP protection grade	IP65 when assembled	
	Temperature range	From 0° to +50° C	



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

Optyma-S solenoid valves connected to node must be PNP equivalent (final 02 in ordering

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 5222.08S.

DeviceNet 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 maintaning 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.

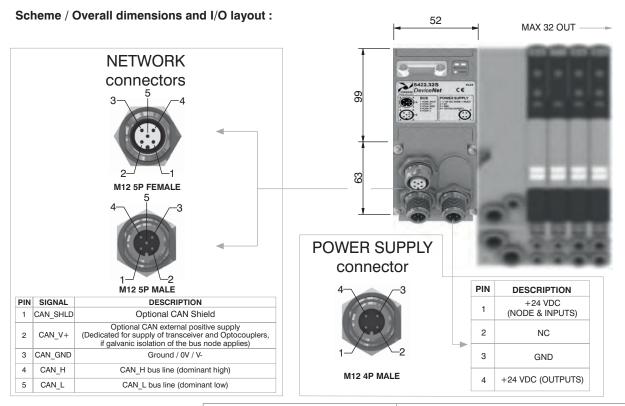
The node address can be set by 6 dip-switches using BCD numeration.

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

Ordering code

5422.32S





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	Model	5422.32S
	Specifications	DeviceNet Specifications Volume I, release 2.0.
	Case	Reinforced technopolymer
Power supply	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
Outputs	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for each output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
Network	Network connectors	2 M12 5P connectors male-female Type A (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: http://www.pneumaxspa.com
	IP protection grade	IP65 when assembled
	Temperature range	From 0° to +50° C
	Tomporataro rango	1. 10.11 0 10 100 0

PROFIBUS DP module is directly integrated on Optyma-S solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.

Optyma-S 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 5222.08S.

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 maintaning powered 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).

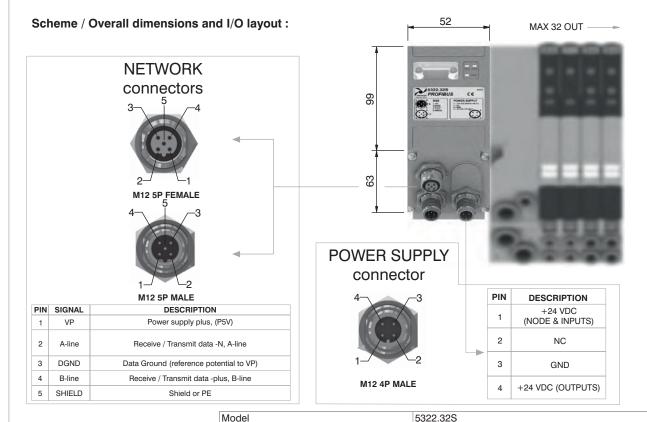
The node address can be set using BCD numeration: 4 dip-switches for the units and 4 dip-switches for the tens.

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

Ordering code

5322.32S





	IVIOUEI	3322.323
	Specifications	PROFIBUS DP
	Case	Reinforced technopolymer
Power supply	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
Outputs	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for each output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
Network	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: http://www.pneumaxspa.com
	IP protection grade	IP65 when assembled
	Temperature range	From 0° to +50° C
	Tomporatare range	Treme to record



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

Optyma-S 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 lnput modules 5222.08S.

The EtherCAT $^{\! \circ}$ module, regardless the number of Input module connected, reports to have connected 4 Input modules.

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 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.

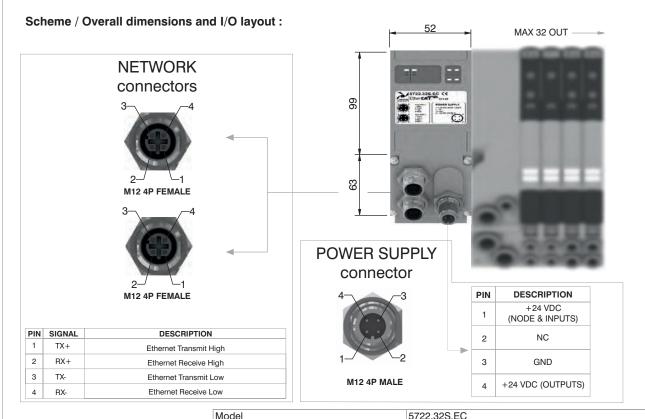
The node address is assigned during configuration.

Note: 5700 series has a different configuration file from series 5600.

Ordering code

5722.32S.EC





	Model	5722.32S.EC
	Specifications	EtherCAT® Specifications ETG.1000 series
	Case	Reinforced technopolymer
Power supply	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without inputs)	400 mA
	Power supply diagnosis	Green LED PWR / Green LED OUT
Outputs	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for each output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
Network	Network connectors	2 M12 4P female connectors Type D (IEC 61076-2-101)
	Baud rate	100 Mbit/s
	Addresses, possible numbers	From 1 to 65535
	Max nodes in net	65536 (Master + Slave)
	Maximum distance between 2 nodes	100 m
	Bus diagnosis	1 green and 1 red LED for status + 2 LEDs for link & activity
	Configuration file	Available from our web site: http://www.pneumaxspa.com
	IP protection grade	IP65 when assembled
	Temperature range	From 0° to +50° C

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

Optyma-S 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 5222.08S.

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 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 maintaining powered the node and inputs, if present.

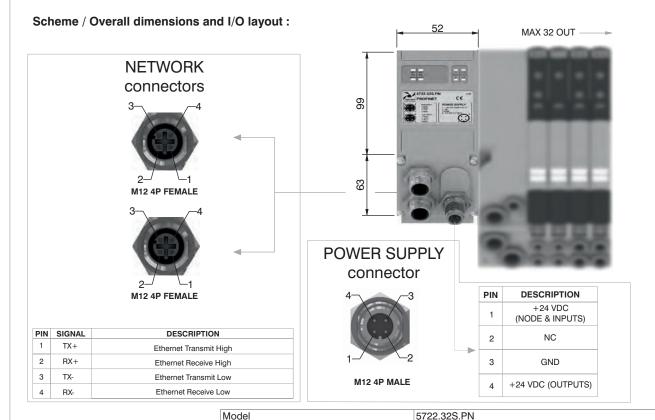
Connection to Bus PROFINET IO RT/IRT is possible via 2 M12 4P type D female circular connectors. These two connectors lead the signal to two different communication ports, so they are not connected in parallel.

The node address is assigned during configuration.

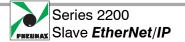
Ordering code

5722.32S.PN





Model	5722.525.FIN
Specifications	PROFINET IO RT/IRT
Case	Reinforced technopolymer
Power supply connection	M12 4P male connector (IEC 60947-5-2)
Power supply voltage	+24 VDC +/- 10%
Node consumption (without inputs)	400 mA
Power supply diagnosis	Green LED PWR / Green LED OUT
PNP equivalent outputs	+24 VDC +/- 10%
Maximum current for each output	100 mA
Maximum output number	32
Max output simultaneously actuated	32
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	Available from our web site: http://www.pneumaxspa.com
IP protection grade	IP65 when assembled
Temperature range	From 0° to +50° C
	Specifications Case Power supply connection Power supply voltage Node consumption (without inputs) Power supply diagnosis PNP equivalent outputs Maximum current for each output Maximum output number Max output simultaneously actuated Network connectors Baud rate Addresses, possible numbers Max nodes in net Maximum distance between 2 nodes Bus diagnosis Configuration file IP protection grade



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

Optyma-S 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 lnput modules 5222.08S.

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 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 maintaining powered the node and inputs, if present.

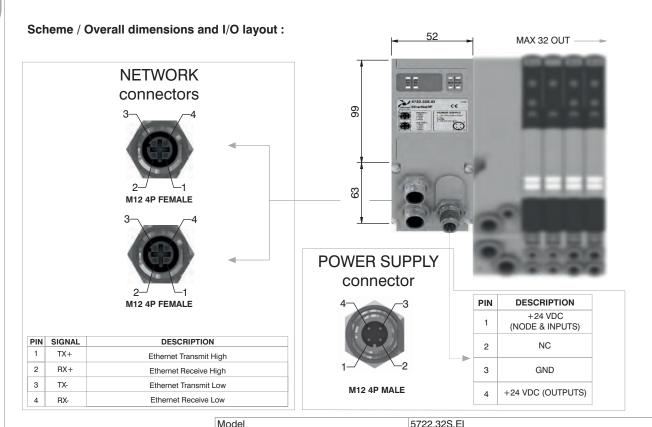
Connection to Bus EtherNet/IP is possible via 2 M12 4P type D female circular connectors. These two connectors lead the signal to two different communication ports, so they are not connected in parallel

The node address is assigned during configuration.

Ordering code

5722.32S.EI





	Model	5/22.325.EI
	Specifications	The EtherNet/IP Specification
	Case	Reinforced technopolymer
Power supply	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without inputs)	400 mA
	Power supply diagnosis	Green LED PWR / Green LED OUT
Outputs	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for each output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
Network	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	Available from our web site: http://www.pneumaxspa.com
	IP protection grade	IP65 when assembled
	Temperature range	From 0° to +50° C

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

Optyma-S 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 5222.08S.

The Powerlink module, regardless the number of Input module connected, reports to have ${\sf connected\,8\,Input\,modules}.$

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 maintaining powered the node and inputs, if present.

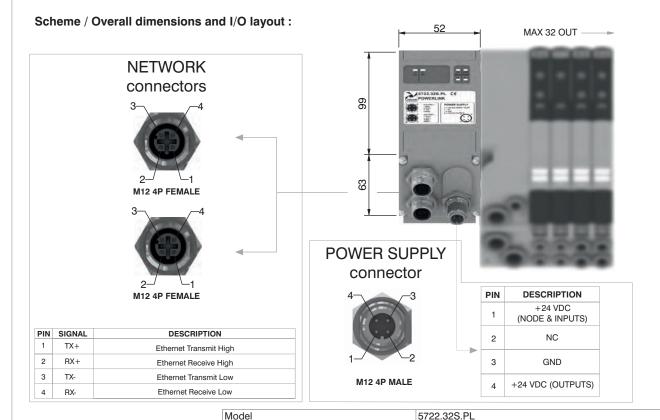
Connection to Bus Powerlink is possible via 2 M12 4P type D female circular connectors. These two connectors lead the signal to two different communication ports, so they are not connected in parallel.

The node address is assigned during configuration.

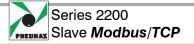
Ordering code

5722.32S.PL





	IVIOGEI	3722.020.1 L
	Specifications	Ethernet POWERLINK Communication Profile Specifications
	Case	Reinforced technopolymer
Power supply	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without inputs)	400 mA
	Power supply diagnosis	Green LED PWR / Green LED OUT
Outputs	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for each output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
Network	Network connectors	2 M12 4P female connectors Type D (IEC 61076-2-101)
	Baud rate	100 Mbit/s
	Addresses, possible numbers	239
	Max nodes in net	240
	Maximum distance between 2 nodes	100 m
	Bus diagnosis	1 green and 1 red LED for status + 2 LEDs for link & activity
	Configuration file	Available from our web site: http://www.pneumaxspa.com
	IP protection grade	IP65 when assembled
	Temperature range	From 0° to +50° C
		-



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

Optyma-S 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 lnput modules 5222.08S.

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

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 maintaining powered the node and inputs, if present.

Connection to Bus Modbus/TCP 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.

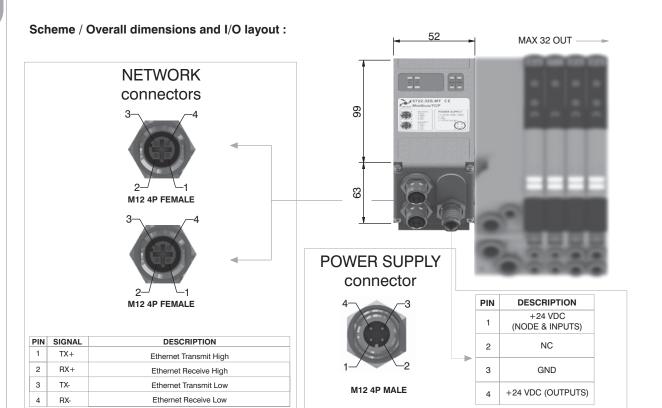
Model

The node address is assigned during configuration.

Ordering code

5722.32S.MT





Technical characteristics

		0.22.020
	Specifications	MODBUS Application Protocol Specification V1.1a, June 4, 2004
	Case	Reinforced technopolymer
Power supply	Power supply connection	M12 4P male connector (IEC 60947-5-2)
	Power supply voltage	+24 VDC +/- 10%
	Node consumption (without inputs)	400 mA
	Power supply diagnosis	Green LED PWR / Green LED OUT
Outputs	PNP equivalent outputs	+24 VDC +/- 10%
	Maximum current for each output	100 mA
	Maximum output number	32
	Max output simultaneously actuated	32
Network	Network connectors	2 M12 4P female connectors Type D (IEC 61076-2-101)
	Baud rate	100 Mbit/s
	Addresses, possible numbers	248
	Max nodes in net	248
	Maximum distance between 2 nodes	100 m
	Bus diagnosis	1 green and 1 red LED for status + 2 LEDs for link & activity
	Configuration file	Modbus/TCP nodes don't require configuration file
	IP protection grade	IP65 when assembled
	Temperature range	From 0° to +50° C

5722.32S.MT



IO-Link module is directly integrated on Optyma-S solenoid valves manifold via a 37 poles connector, normally used for multipolar cable connection.

Optyma-S 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 5222.08S.

Regardless of the number of Input modules connected, the manageable solenoid valves are 32. Pneumax IO-Link module is equipped with a M12, 5P, "CLASS B" communication connector; valve electric power supply is provided directly through the "CLASS B" communication connector.

It supports IO-Link communications speed COM2.

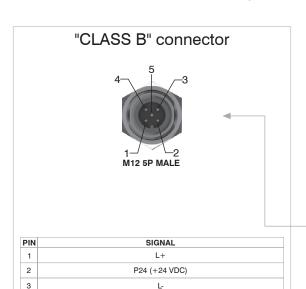
IODD configuration files is provided by Pneumax.

Ordering code

5822.32S

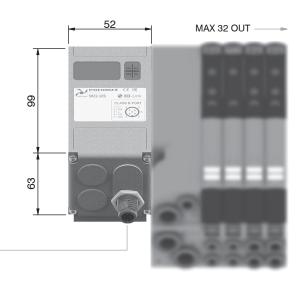


Scheme / Overall dimensions and I/O layout:



C/Q

N24 (GND)



Technical characteristics

4 5

Specifications	IO-Link Specification v1.1
Case	Reinforced technopolymer
PNP equivalent outputs	+24 VDC +/- 10%
Maximum current for each output	100 mA
Maximum output number	32
Maximum output simultaneously actuated	32
Network connectors	"Class B" port
Communication speed	COM2
Maximum distance from Master	20 m
Bus diagnosis	1 green and 1 red LED for status
Configurations file IODD	Available from our web site http://www.pneumaxspa.com
IP Rating	IP65 when assembled
Temperature range	From 0°C to +50°C
	Case PNP equivalent outputs Maximum current for each output Maximum output number Maximum output simultaneously actuated Network connectors Communication speed Maximum distance from Master Bus diagnosis Configurations file IODD IP Rating

Modules have 8 connectors M8 3P female.

The Inputs are PNP equivalent 24 VDC \pm 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 300 mA.

Each module includes a 300 mA self-mending fuse. If a short circuit or a overcharge (overall current >300mA) 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 lights up indicating the ON state and the node will re-start to operate.

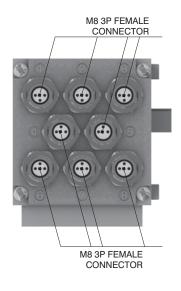
The maximum number of Input modules supported is 4.

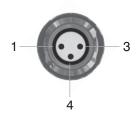
Ordering code

5222.08S



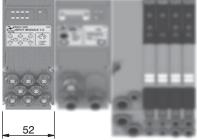
Scheme / Overall dimensions and I/O layout :



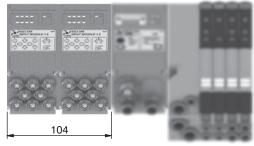


PIN	DESCRIPTION
1	+24 VDC
4	INPUT
3	GND

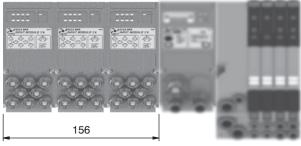




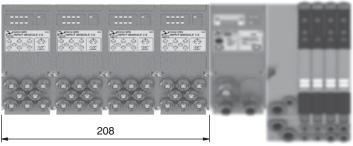
Module 2 Module 1



Module 3 Module 2 Module 1



Module 4 Module 3 Module 2 Module 1





M12A 4P female Socket

Ordering code

5312A.F04.00

Power supply straight connector.



Upper view Slave connector



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

Upper view Slave connector

Ordering code

5308A.M03.00

Input straight connector

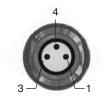


M8 3P male Plug

M12A 5P male Plug

M12B 5P male Plug

Upper view Slave connector



PIN	DESCRIPTION
1	+24 VDC
4	INPUT
3	GND

M12A 5P female Socket

Ordering code

5312A.F05.00

Network straight connector: for Bus



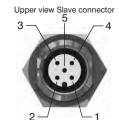


Ordering code

5312A.M05.00

Network straight connector: for BUS CANOpen®, DeviceNet.





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

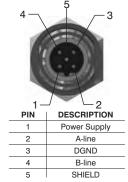
M12B 5P female Plug

Ordering code

5312B.F05.00

Network straight connector: for Bus PROFIBUS DP.





Upper view Slave connector

Ordering code

5312B.M05.00

Network straight connector: for BUS PROFIBUS DP.



Upper view Slave connector
3 — 5 / 4

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

M12D 4P male Plug

Ordering code

5312D.M04.00

Network straight connector: for Ether-CAT®, PROFINET IO RT/IRT, Ether-Net/Ip, Powerlink and Modbus/TCP.



3		4
	/ Son	
	16	
	1	
	2 —	<u></u> 1

Upper view Slave connector

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

M12 Plug

Ordering code 5300.T12

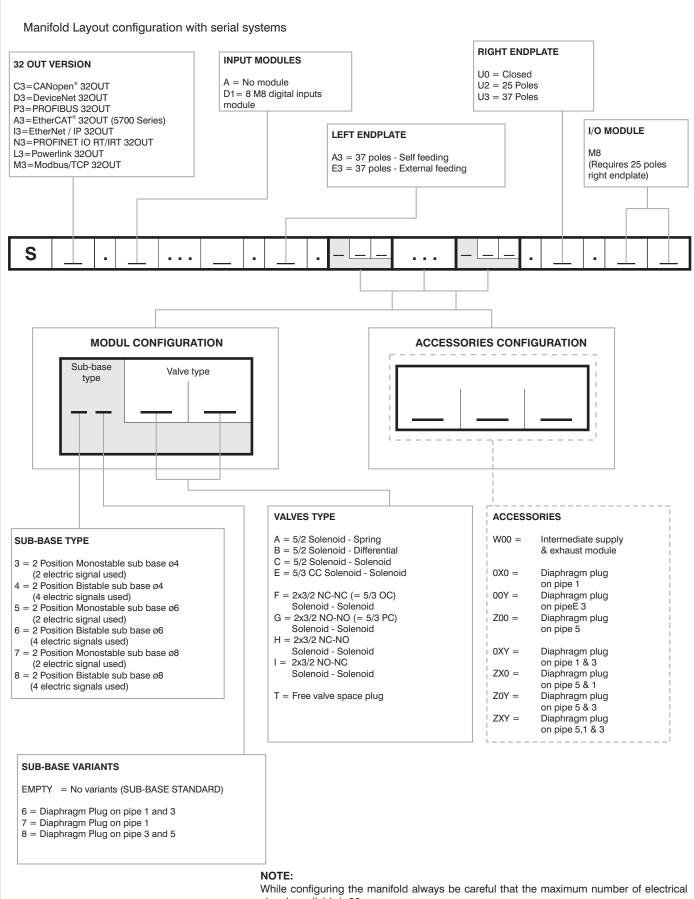


Trademarks: EtherCAT® is registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.

Ordering	code
5300.	T08



M8 Plug



signals available is 32

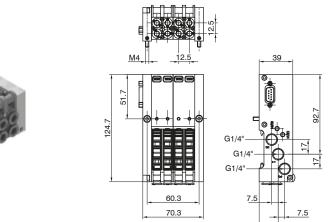
The use of monostable valve mounted on a bistable base (2 electrical signals occupied for each position) causes the loss of one electric signal.

In this case the monostable valve can be replaced by a bistable valve without reconfiguring the PLC.

The diaphragms plugs are used to intercept the conduits 1,3 & 5 of the base.

Should one or more conduits be cut more than one time it is necessary to add the relevant intermediate Supply/Exhaust module.





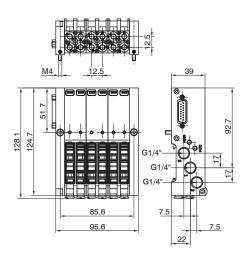
Ordering code: CMP

	VERSION
V	9E = 9 poles kit
	1E = 15 poles kit
	TUBE CONNECTIONS
	44 = Ø4-4 (9 poles)
	66 = Ø6-6 (9 poles)
•	88 = Ø8-8 (9 poles)
	444 = Ø4-4-4 (15 poles)
	666 = Ø6-6-6 (15 poles)
	888 = Ø8-8-8 (15 poles)

Weight 400 g

CMP9E@P0





Weight 500 g

CMP1E**⊕**P0

Available bases





Tube Ø4



Tube Ø6



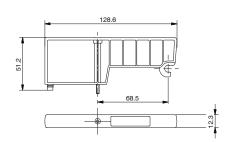
Tube Ø8



Closing plate

Operating characteristics		
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous	
Working pressure (bar)	From vacuum to 10	
Temperature °C	-5 ÷ +50	





Weight 30 g SHORT FUNCTION CODE "T" 2240.00

10 = 10 meters

Ordering code: 2240.00

Cable complete with connector, 9 Poles, IP40



Ordering code: 2400.09. **0**.00 CABLE LENGTH 03 = 3 meters 05 = 5 meters

2400.09. .00

Cable complete with connector, 15 Poles, IP40

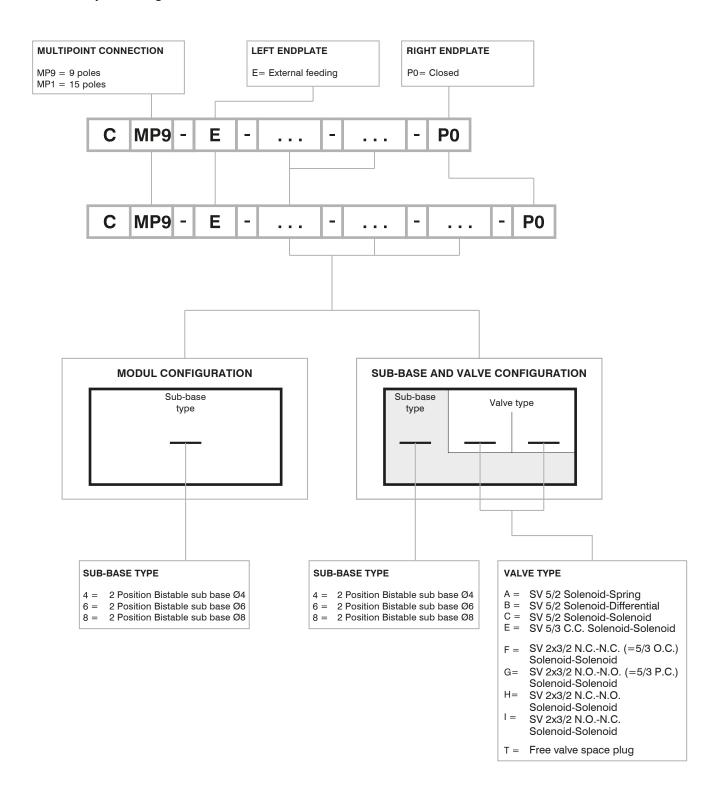


Ordering code: 2400.15. **0**.00

	CABLE LENGTH	
	03 = 3 meters	
•	05 = 5 meters	
	10 = 10 meters	

2400.15. .00

Manifold layout configuration



Series 2200 OPTYMA-Sc solenoid valve manifolds managed by multipoint connection are "well tried components"

Ψ	Well-tried component	 The product is well-tried product for a safety-related application according to ISO 13849-1. The relevant basic and well-tried safety principles according ISO 13849-2 for this product are fullfilled. The suitability of the product for a precise application must be verified and confirmed by the user.
B _{10d}	50.000.000	





Example shown: CMP9E68P0
Manifold with external supply, 9 poles multipolar, base Ø6, base Ø8



To be completed with solenoid valves before use



Example shown: CMP1E666P0 Manifold with external supply, 15 poles multipolar , base Ø6, base Ø6, base Ø6



To be completed with solenoid valves before use



Example shown: CMP1E6CA6CC6FFP0

Manifold with external supply, 15 poles multipolar, base Ø6 with solenoid valves, base Ø6 with solenoid valves, base Ø6 with solenoid valves, base Ø6 with solenoid valves.



Two signals per position, indipendently of the mounted solenoid valve



Example shown: CMP9E6TF6ACP0

Manifold with external supply, 9 poles multipolar, base Ø6 with solenoid valves, base Ø6 with solenoid valves



Two signals per position, indipendently of the mounted solenoid valve

Supply ports and maximum possible size according to valves used

