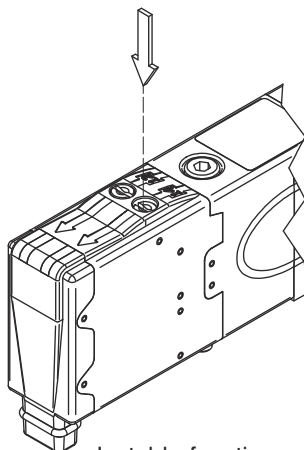
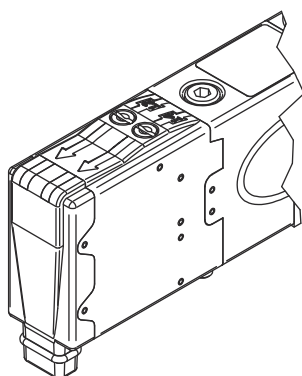
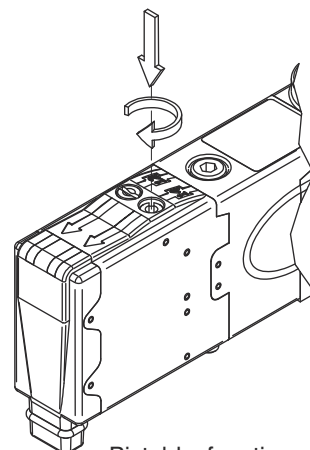


Manual override actuation



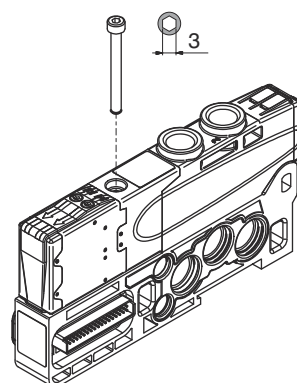
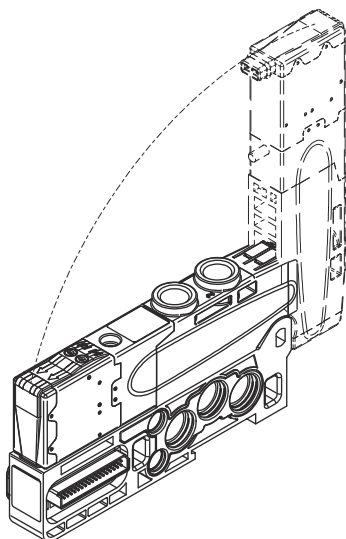
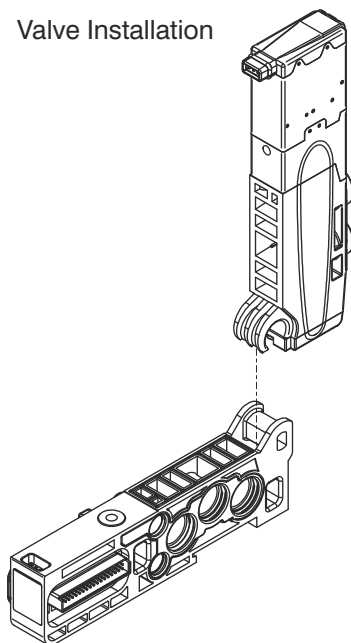
Instable function: push to actuate
(when released it moves back to
the original position).



Bistable function: push and
turn to get the bistable
function

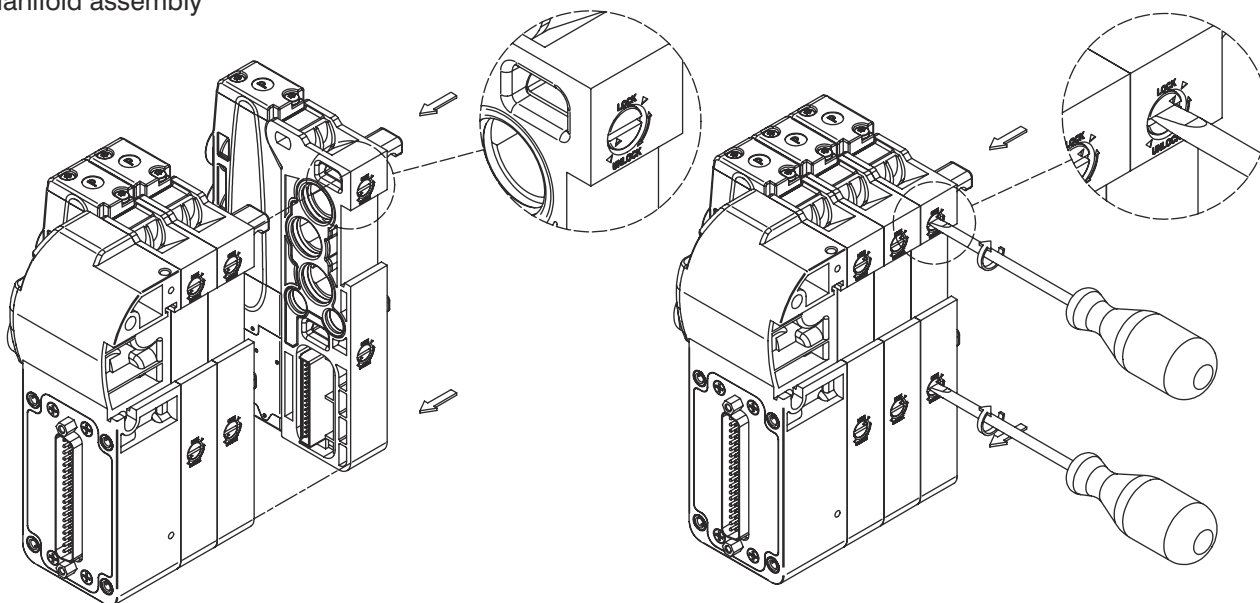
NOTE : It is strongly suggested to replace the original position after using

Valve Installation

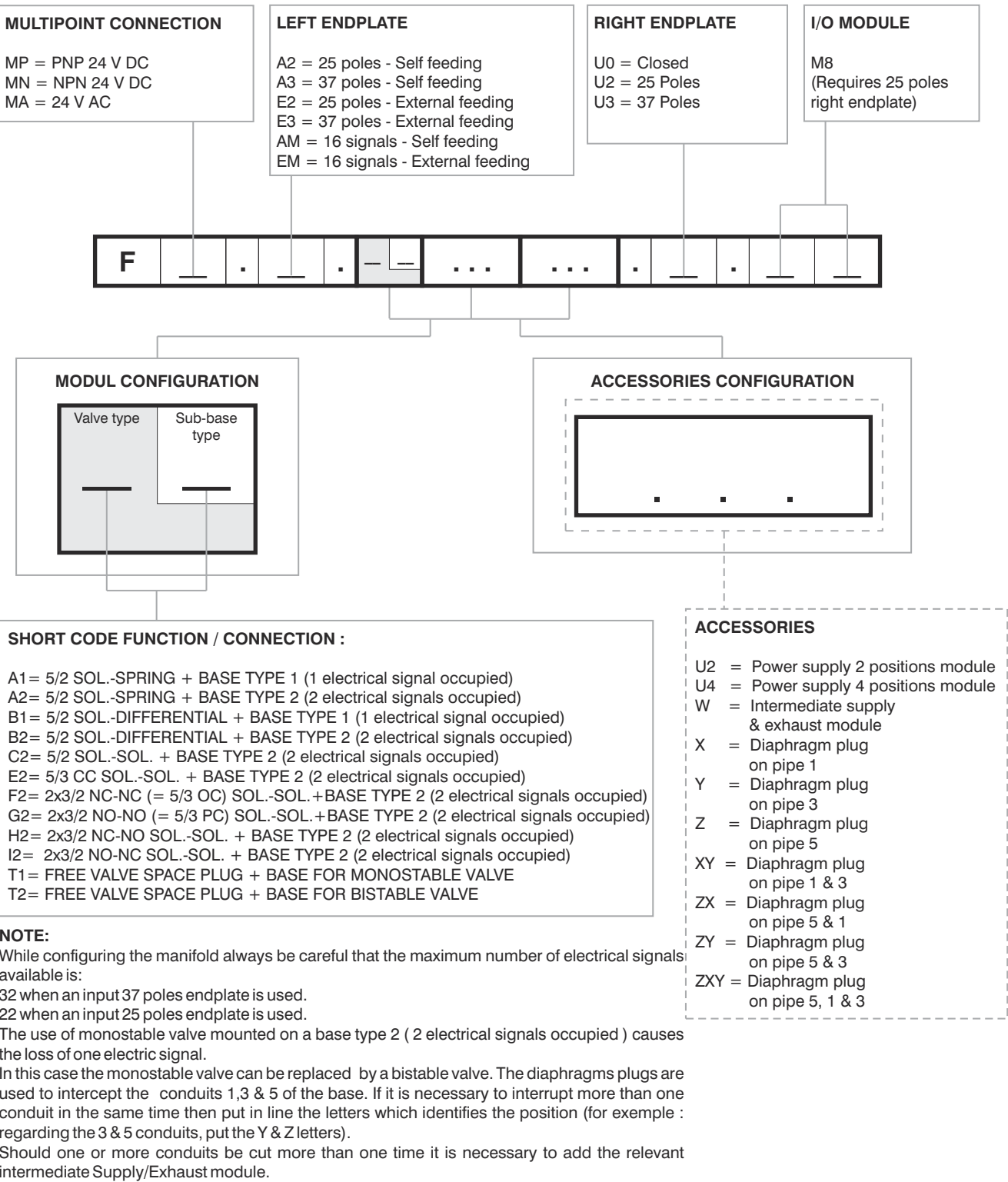


NOTE: Torque moment 1 Nm


Manifold assembly



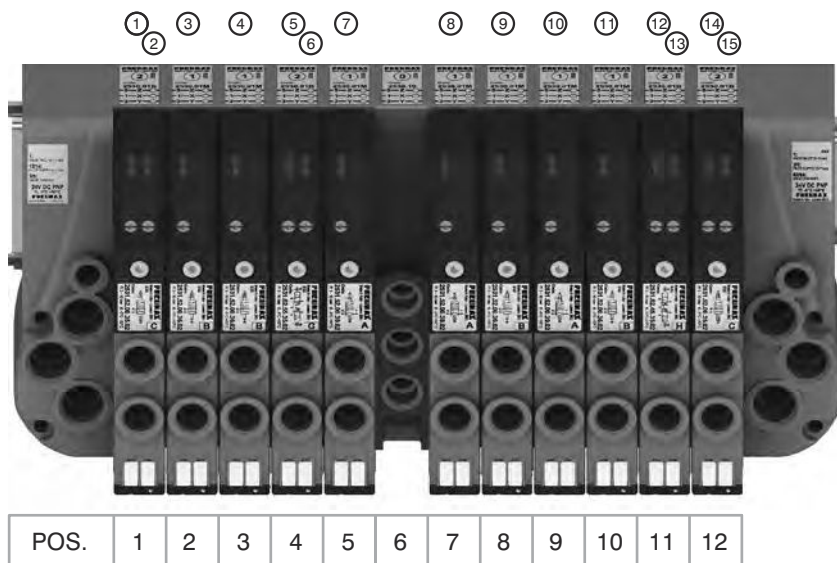
Manifold Layout configuration



Series 2500 OPTYMA-F solenoid valve manifolds managed by multipoint connection are
"well tried components"

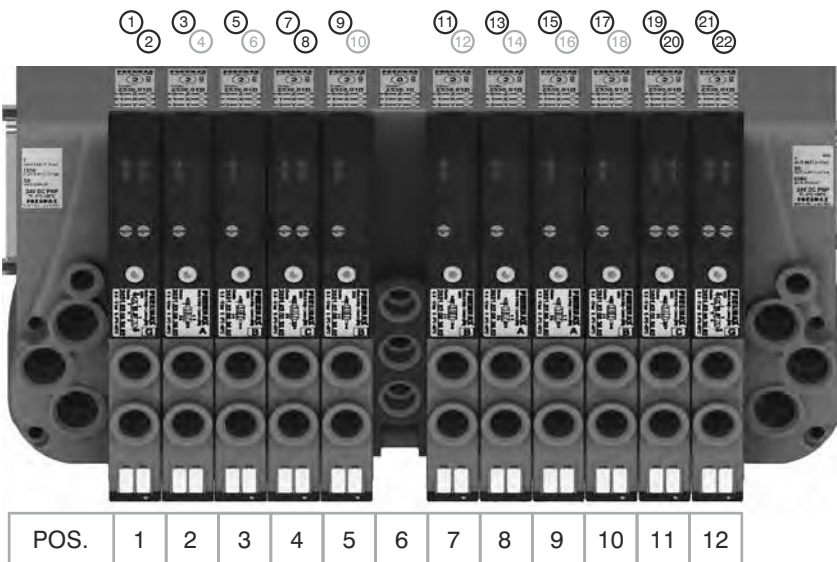
	Well-tryed component	<ul style="list-style-type: none">- The product is a well-tryed product for a safety-related application according to ISO 13849-1.- The relevant basic and well-tryed safety principles according ISO 13849-2 for this product are fulfilled.- The suitability of the product for a precise application must be verified and confirmed by the user.
B _{10d}	50.000.000	

37 PIN Connector correspondence for valves assembled on mixed bases



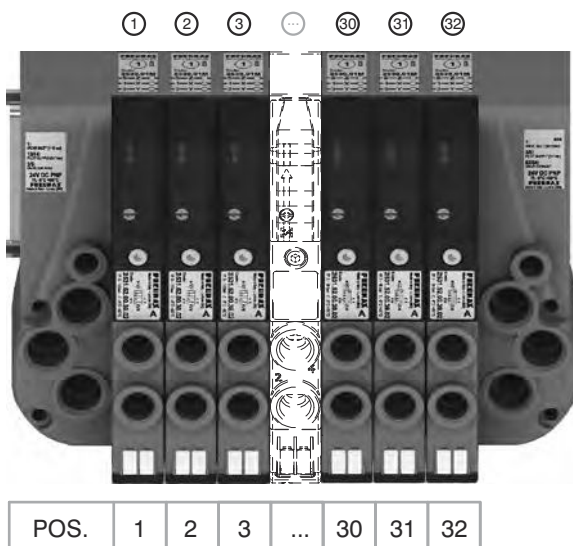
- PIN 1 = PILOT 14 EV POS.1
- PIN 2 = PILOT 12 EV POS.1
- PIN 3 = PILOT 14 EV POS.2
- PIN 4 = PILOT 14 EV POS.3
- PIN 5 = PILOT 14 EV POS.4
- PIN 6 = PILOT 12 EV POS.4
- PIN 7 = PILOT 14 EV POS.5
- PIN 8 = PILOT 14 EV POS.7
- PIN 9 = PILOT 14 EV POS.8
- PIN 10 = PILOT 14 EV POS.9
- PIN 11 = PILOT 14 EV POS.10
- PIN 12 = PILOT 14 EV POS.11
- PIN 13 = PILOT 12 EV POS.11
- PIN 14 = PILOT 14 EV POS.12
- PIN 15 = PILOT 12 EV POS.12

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

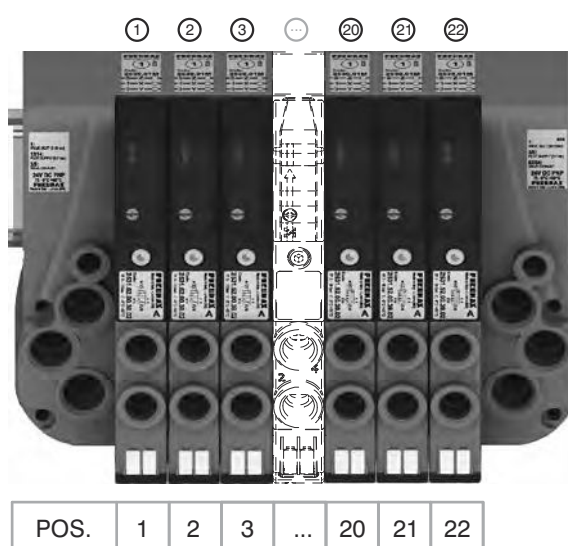


- PIN 1 = PILOT 14 EV POS.1
- PIN 2 = PILOT 12 EV POS.1
- PIN 3 = PILOT 14 EV POS.2
- PIN 4 = NOT CONNECTED
- PIN 5 = PILOT 14 EV POS.3
- PIN 6 = NOT CONNECTED
- PIN 7 = PILOT 14 EV POS.4
- PIN 8 = PILOT 12 EV POS.4
- PIN 9 = PILOT 14 EV POS.5
- PIN 10 = NOT CONNECTED
- PIN 11 = PILOT 14 EV POS.7
- PIN 12 = NOT CONNECTED
- PIN 13 = PILOT 14 EV POS.8
- PIN 14 = NOT CONNECTED
- PIN 15 = PILOT 14 EV POS.9
- PIN 16 = NOT CONNECTED
- PIN 17 = PILOT 14 EV POS.10
- PIN 18 = NOT CONNECTED
- PIN 19 = PILOT 14 EV POS.11
- PIN 20 = PILOT 12 EV POS.11
- PIN 21 = PILOT 14 EV POS.12
- PIN 22 = PILOT 12 EV POS.12

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



25 PIN Connector correspondence for manifold for 22 position manifold with monostable valves on base



General :

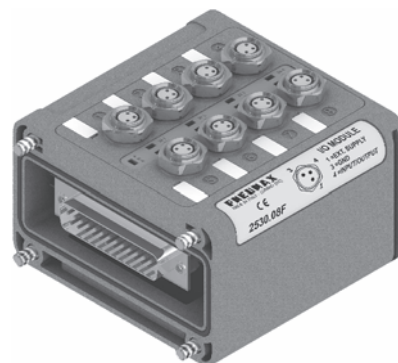
Using the 2530.03.25P output terminal it is possible to make any electrical signals not used by valves available on a 25 sub-D female connector at the right end of the manifold.

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.

Ordering code

2530.08F



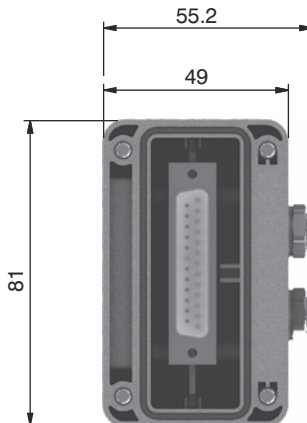
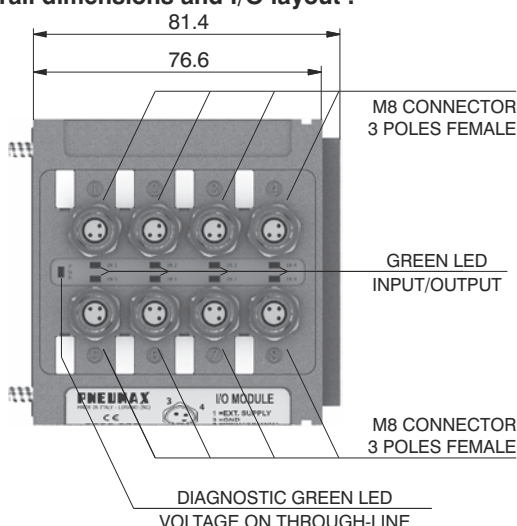
Please note: If the manifold is connected by a multi-core connection, each connection can be used as either an input or an output, while if the manifold is connected to a serial node the connections can only be used as an output.

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.

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.

Overall dimensions and I/O layout :



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.

I.E :

Pin 25 of the 25 pin multi-pole connector (code 2530.02.25P or 2530.12.25P)

Pin 36-37 of the 37 pin multi-pole connector (code 2530.02.37P or 2530.12.37P)

Output features:



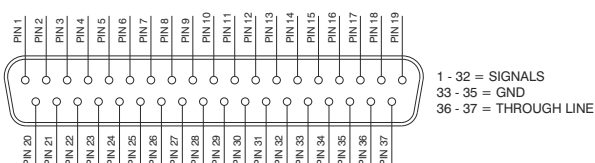
Attention: The output connections are not protected against short-circuit. Please pay attention when wiring (avoid Pin 4 being connected to Pin 3 or Pin 1).

General characteristics

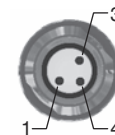
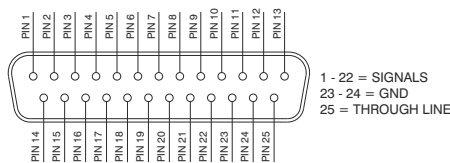
Model	2530.08F
Case	Reinforced technopolymer
I/O Connector	M8 connector 3 poles female (IEC 60947-5-2)
PIN1 voltage (connector used as Input)	By the user
PIN 4 voltage diagnosis	Green LED
Node consumption (Outlets excluded)	7mA per each LED with 24 VDC signal
Outlets voltage	+23,3 VDC (serial) /by the user (multipolar)
Input voltage	Depend by the using
Maximum outlet current	100 mA (serial) / 400 mA (multipolar)
Maximum Input/Output	8 per module
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

CORRESPONDENCE BETWEEN MULTI-POLE SIGNAL AND CONNECTOR

SUB-D TYPE 37 POLE MALE CONNECTOR



SUB-D TYPE 25 POLE MALE CONNECTOR



PIN	DESCRIPTION
1	THROUGH LINE
4	SIGNAL
3	GND

Connection modes:

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

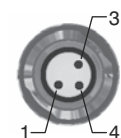
- A) Control via multi-pole connection
- B) Control via fieldbus

A) Control via multi-pole :

M8 connector used as Input:



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



PIN	DESCRIPTION
1	THROUGH LINE
4	SIGNAL
3	GND

In order to use the I/O module, the correct right hand endplate with 25 pole female outlet connector must be used.
(Code 2530.03.25P).

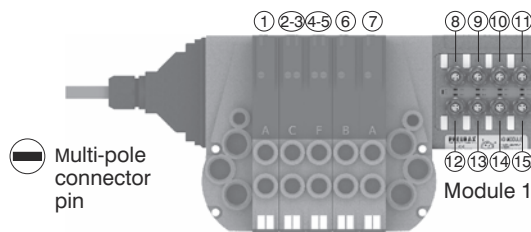


M8 connector used as Output:

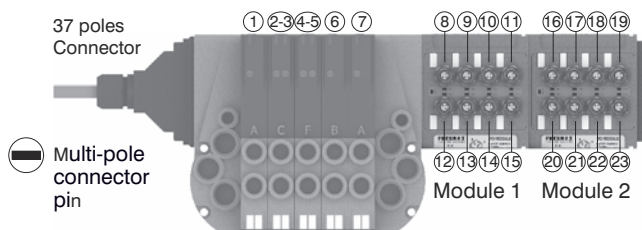
Output voltage will be the same as is applied at the multi-pole connector pin.
The maximum output current depends upon the power unit used, but we recommend no more than 250mA.



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.



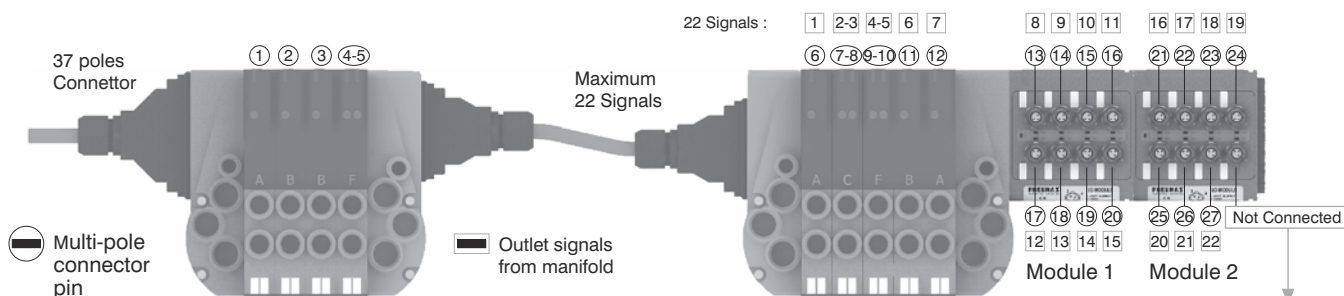
Attention: Only one more I/O module can be added.



Attention: No more additions are possible

Attention : Optyma 32-F 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.

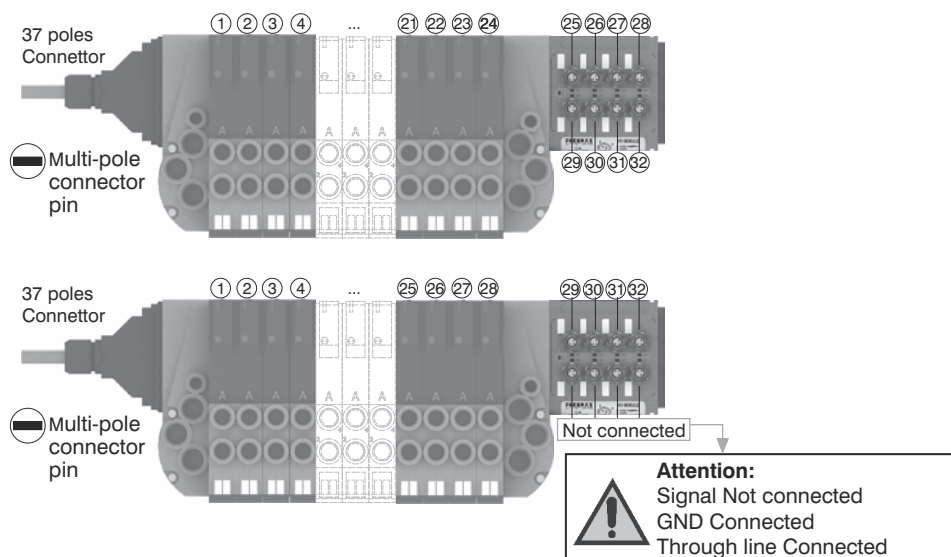


Please note: this example considers a 37 pin multi-pole connector.

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. 22 17

Attention: Signal Not connected
GND Connected
Through line Connected

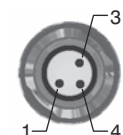
Please note: Optyma 32-F solenoid valve manifolds manage up to 32 signals. If the manifold uses more than 24 signals the I/O module will manage only the remainder. Connections that are not managing useful signals will remain unconnected.



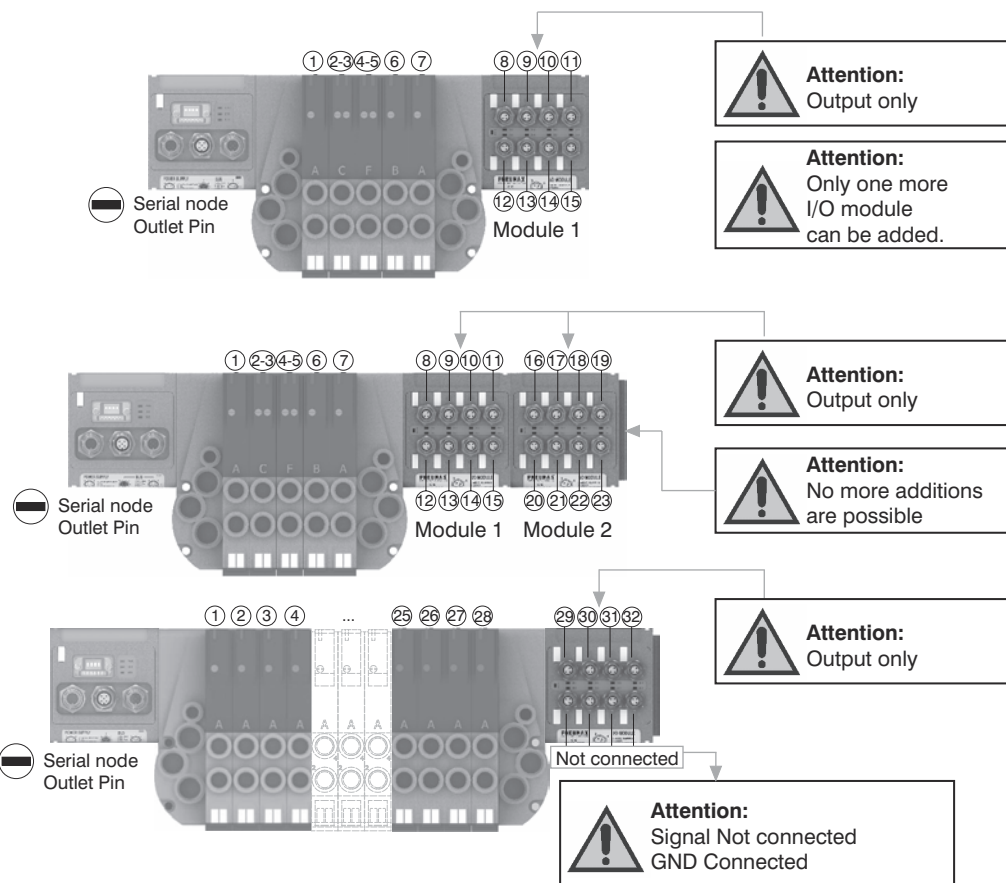
B) Control via fieldbus:

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.

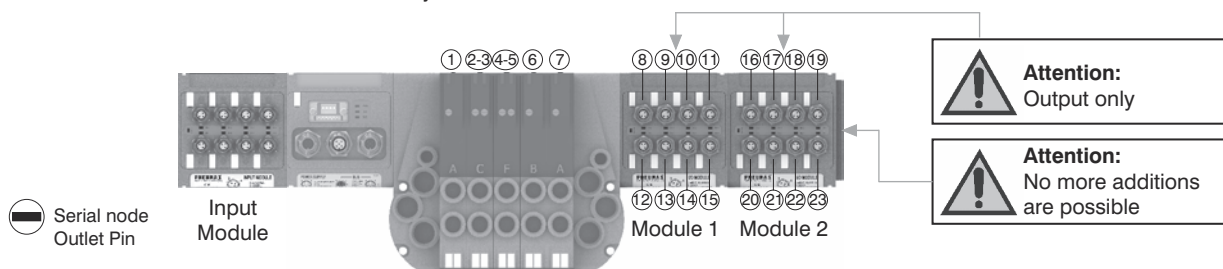
The maximum output current for each output is 100mA. The correspondence between control byte and each single output depends on how many electrical signals are used by the manifold and by the relative position of the I/O module.



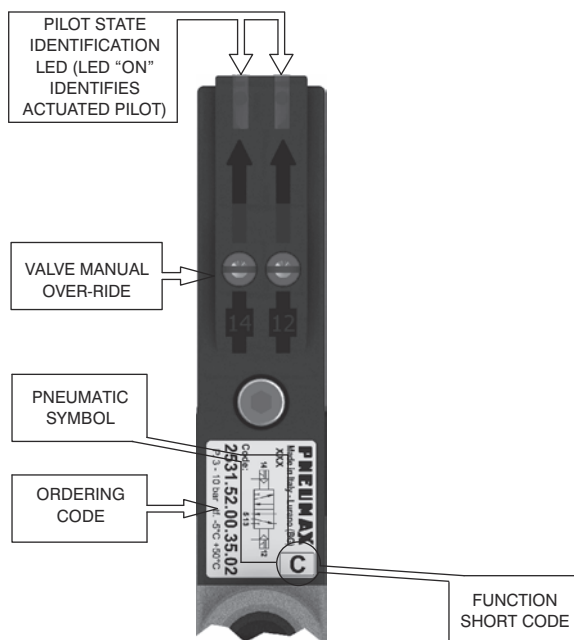
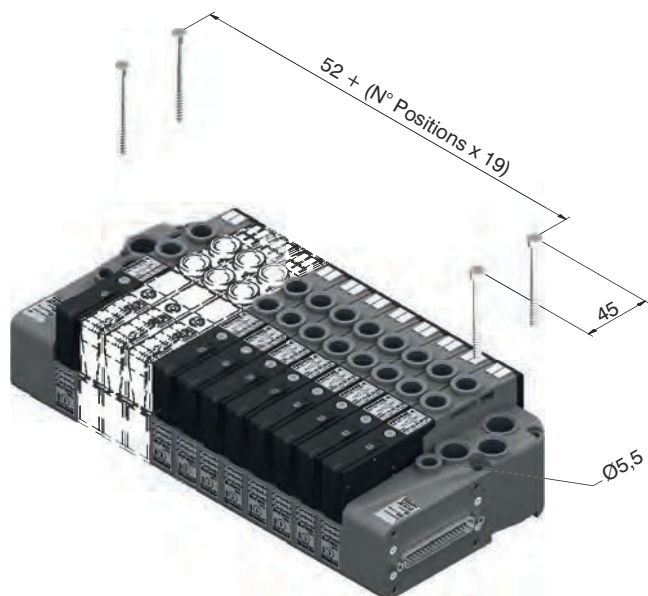
PIN	DESCRIPTION
1	NOT CONNECTED
4	SIGNAL
3	GND



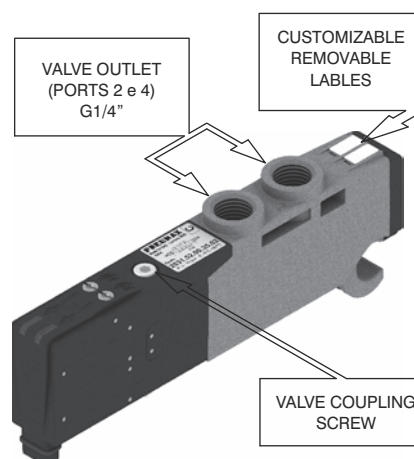
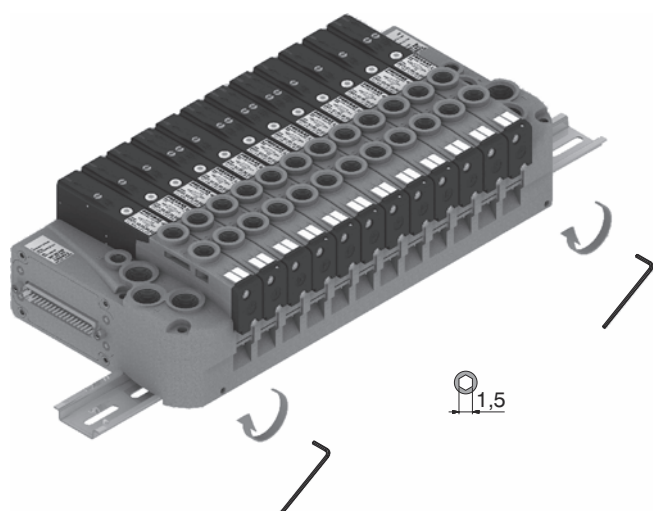
Please note: I/O modules don't allow to connect any additional valves manifold after them.



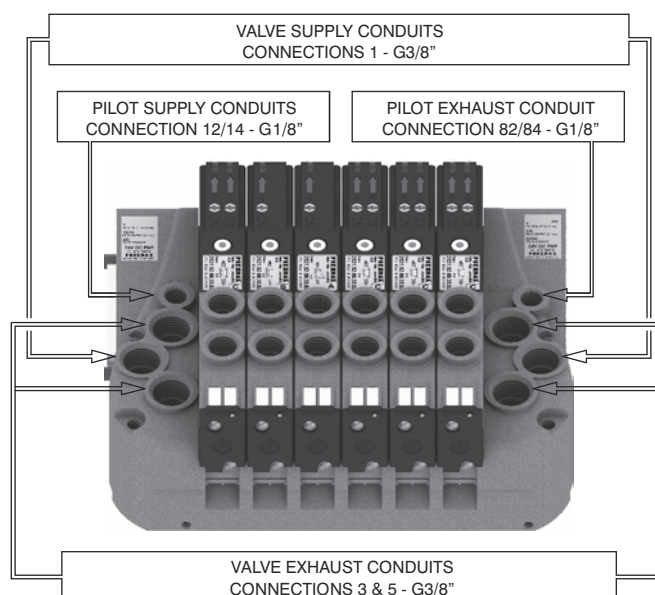
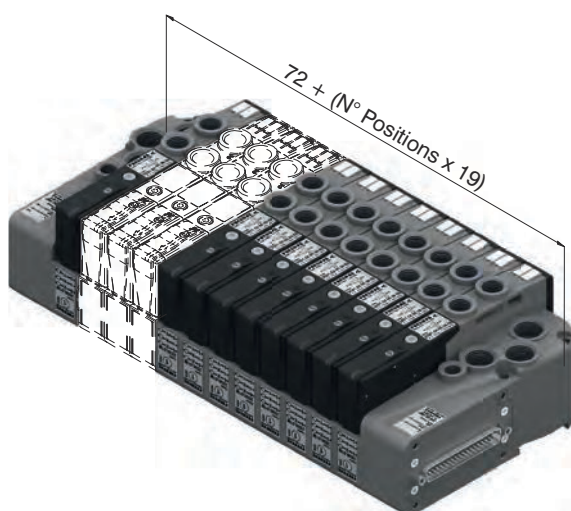
From the top



DIN rail fixing



Maximum possible size
according to valves seats



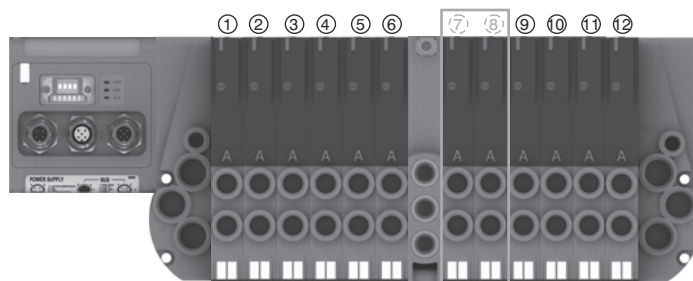
Usage examples:

EXAMPLE 1:

Manifold of 12 monostable valves on which you want to interrupt signals 7-8

Assembly:

- 6 monostable valves (not interruptible because before the module),
- 1 additional power supply module,
- 6 monostable valves. Please note: the first 2 monostable of these are interruptible by the module, while the following 4 will work correctly managed directly by the corresponding command signals.

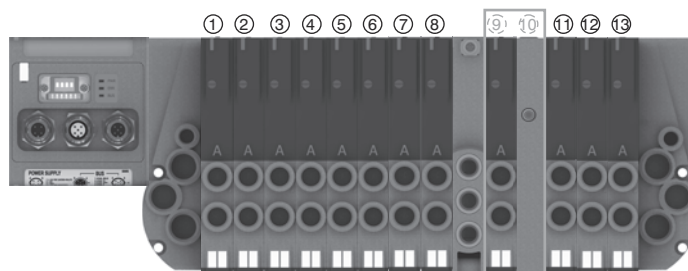


EXAMPLE 2:

Manifold of 12 monostable valves on which you want to interrupt signal 9

Assembly:

- 8 monostable valves (not interruptible because before the module),
- 1 additional power supply module,
- 1 monostable valve (interruptible),
- 1 closing plate mounted on a monostable base,
- 3 monostable valves (work correctly managed directly by the corresponding command signals).



Please note: Each additional power supply module interrupts always 2 electrical signals.

If you need to interrupt less than 2 signals you can:

- assemble the valves to interrupt in the last positions of the manifold, so you don't need to worry about the interrupted exceeding signals;
- use a bistable base and mount a monostable valve (for each signal less than the 2 standard);
- use a monostable base and mount a closing plate (for each signal less than the 2 standard).

EXAMPLE 3:

Manifold of 7 monostable e 3 bistable valves on which you want to interrupt signals 2-3 and 8-9.

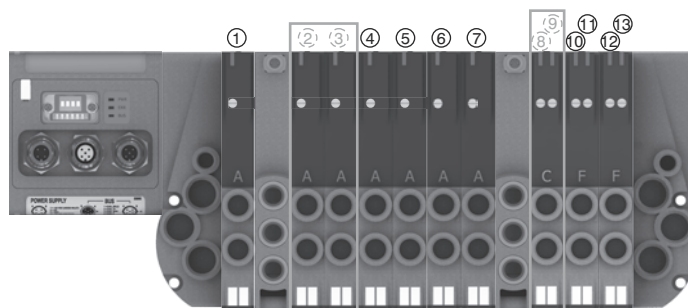
Assembly:

- 1 monostable valve (not interruptible because before the module),
- 1 additional power supply module,
- 6 monostable valves.

Please note: the first 2 monostable of these are interruptible by the module, while the following 4 will work correctly managed directly by the corresponding command signals.

- 1 additional power supply module,
- 3 bistable valves.

Please note: the first bistable of these valves is interruptible by the module, while the following 2 will work correctly managed directly by the corresponding command signals.



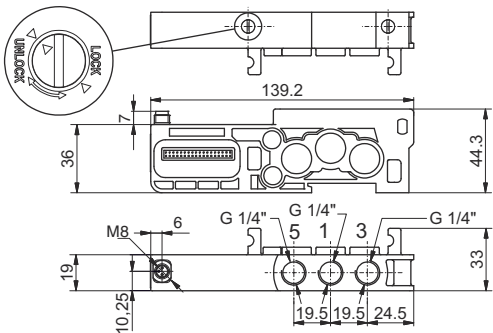


General :

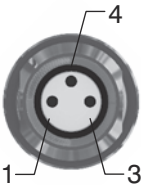
Each Optyma-F manifold lets to manage 32 command signals for the valves.
Optyma-F serial nodes (CANopen®, DeviceNet, PROFIBUS DP, EtherCAT®, PROFINET IO RT/IRT, EtherNet/IP and Powerlink) have a single pin for the power supply of the solenoid valves.
So if you want to interrupt the power supply of one valve it is necessary to interrupt all the valves.
The additional power supply module lets to interrupt at the same time the first 4 available command signals for the valves after the module itself. The additional power supply module is particularly useful also when you use control signals that block the valves. This application is effective both with serial management and multi-pole connection of the manifolds.
This module is inserted directly into the Optyma-F solenoid valves manifold.

Ordering code

2530.10.4A



In particular this module is fitted with a M8 3 pins connector:
+24V, not connected, GND.

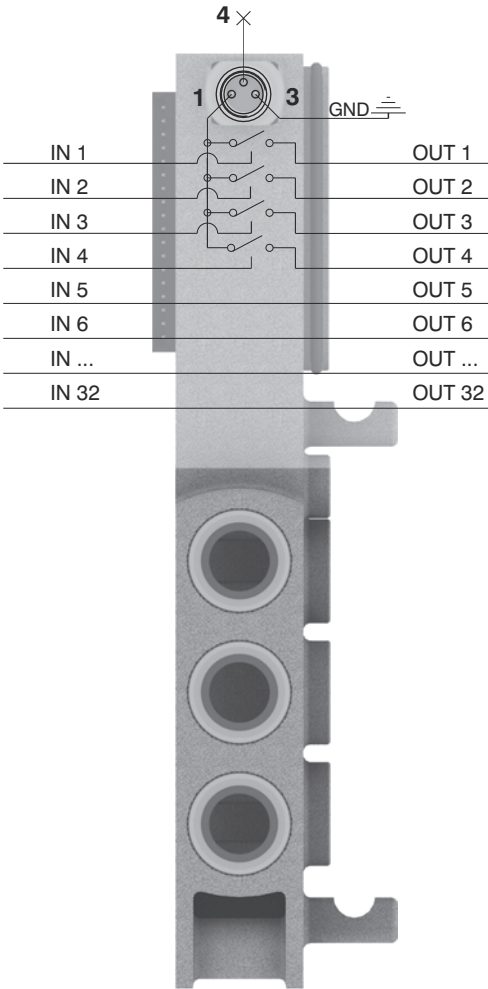


PIN	DESCRIPTION
1	+24 VDC
4	NOT CONNECTED
3	GND

WORKING PRINCIPLE / SIMPLIFIED FUNCTIONAL DIAGRAM

This module uses an external power supply (+24VDC) to manage the solenoid valves.

The output signal from serial node / multi-pole connection is used as command signal: when it is high the +24VDC will be present at the module output.



If you want to cut off the power supply to a group of 4 valves it is sufficient to take away the +24VDC provided to the module by the M8 connector.

Please note: It is possible to use more modules to interrupt all the command signals, simply by inserting them before the signals to interrupt and after the signals already interrupted.

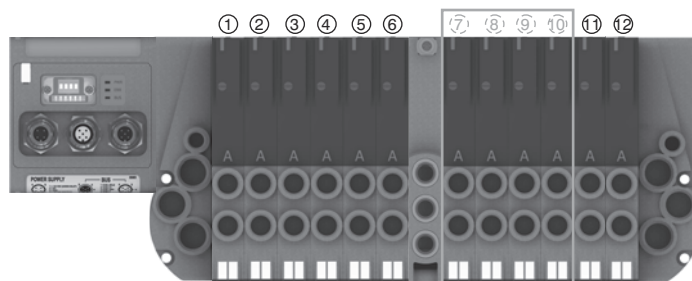
Usage examples:

EXAMPLE 1:

Manifold of 12 monostable valves on which you want to interrupt signals 7-8-9-10

Assembly:

- 6 monostable valves (not interruptible because before the module),
- 1 additional power supply module,
- 6 monostable valves. Please note: the first 4 monostable of these are interruptible by the module, while the following 2 will work correctly managed directly by the corresponding command signals.

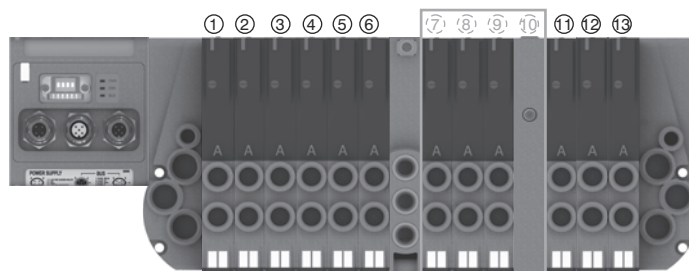


EXAMPLE 2:

Manifold of 12 monostable valves on which you want to interrupt signals 7-8-9

Assembly:

- 6 monostable valves (not interruptible because before the module),
- 1 additional power supply module,
- 3 monostable valves (interruptible),
- 1 closing plate mounted on a monostable base,
- 3 monostable valves (work correctly managed directly by the corresponding command signals).



Please note: Each additional power supply module interrupts always 4 electrical signals.

☛ If you need to interrupt less than 4 signals you can:

- assemble the valves to interrupt in the last positions of the manifold, so you don't need to worry about the interrupted exceeding signals;
- use a bistable base and mount a monostable valve (for each signal less than the 4 standard);
- use a monostable base and mount a closing plate (for each signal less than the 4 standard).

EXAMPLE 3:

Manifold of 7 monostable e 3 bistable valves on which you want to interrupt signals 2-3-4-5 and 8-9-10-11.

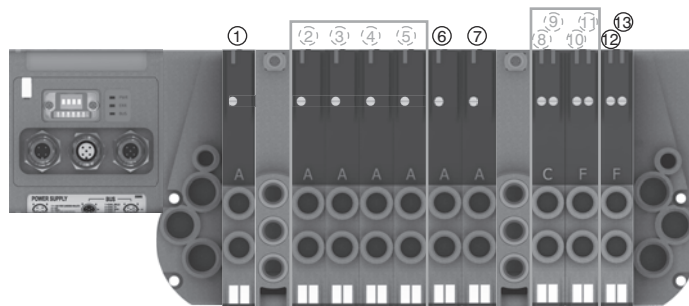
Assembly:

- 1 monostable valve (not interruptible because before the module),
- 1 additional power supply module,
- 6 monostable valves.

Please note: the first 4 monostable of these are interruptible by the module, while the following 2 will work correctly managed directly by the corresponding command signals.

- 1 additional power supply module,
- 3 bistable valves.

Please note: the first 2 bistable of these valves are interruptible by the module, while the following will work correctly managed directly by the corresponding command signals.




Polyethylene Silencer Series SPL-P

Ordering code	
SPLP.F	
TUBE DIAMETER	
F 18=1/8"	
14=1/4"	
38=3/8"	



Diaphragm plug

Ordering code	
2530.17	



Weight gr. 6,5

Cable complete with connector, 25 Poles IP65

Ordering code	
2300.25.L.P	
CABLE LENGHT	
L 03 = 3 metres	
05 = 5 metres	
10 = 10 metres	
CONNECTOR TYPE	
P 10 = In line	
90 = 90° Angle	



Cable complete with connector, 37 Poles IP65

Ordering code	
2400.37.L.P	
CABLE LENGHT	
L 03 = 3 metres	
05 = 5 metres	
10 = 10 metres	
CONNECTOR TYPE	
P 10 = In line	
90 = 90° Angle	



Cable complete with connector, 25 Poles IP65

Ordering code	
2400.25.L.P.25	
CABLE LENGHT	
L 03 = 3 metres	
05 = 5 metres	
10 = 10 metres	



The electrical connection is achieved by a 37 pin connector and can manage up to 32 solenoid pilots.

It is also possible use a 25 sub-D pin connector and, in this case, it is possible to manage a maximum of 22 outputs. It is also available a terminal, able to manage a maximum of 16 outputs.

The management and distribution of the electrical signals between each valve is obtained thanks to an electrical connector which receives the signals from the previous module, uses one, two or none depending on the type, and carries forward to the next module the remaining.

Bistable valves, 5/3 and 2x3/2 valves which have two solenoid pilots built in, use two signals; the first is directed to the pilot side 14 the second to the pilot side 12. Modular bases can be fitted with two type of electrical connector: the monostable version uses only one signal (connected to the pilot side 14) and carries forward the remaining, the bistable version which always uses two signals.

This solution allows the modification of the manifold (replacement of monostable valves without bistable for example) without having to reset the PLC output layout.

On other hand this solution limits the maximum number of valves to 16 when it is used a 37 pin connector or 11 when it is used a 25 pin connector. When using a Endplates with terminal, the maximum number of valves are 8.

Intermediate supply/exhaust module uses an electrical connector directly forwarding signals to the next one without any kind of modification.

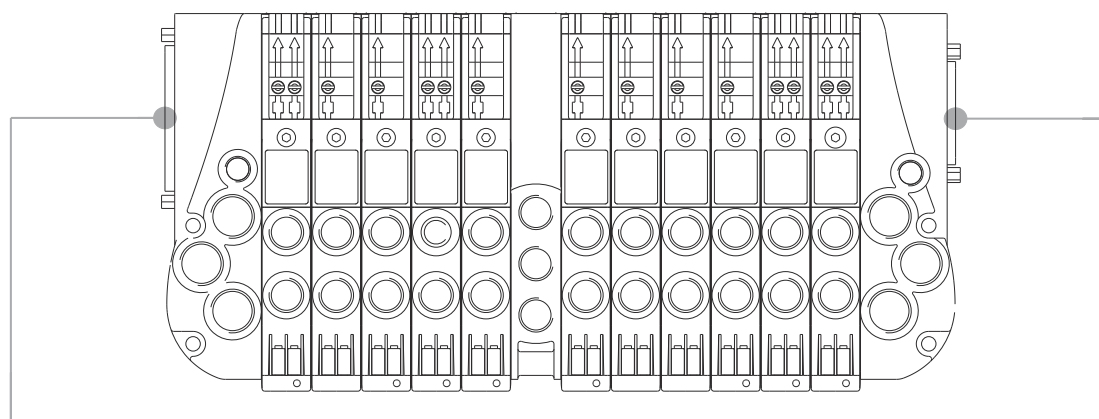
This allows the use of intermediate modules in any position of the manifold.

All the electrical signals that have not been used on the manifold can be used placing at the end of the manifold the end plate complete with the 25 sub-D female connector.

The number of available signals depends of the connector used to the type of the left end plate and by the total signals used along the manifold:

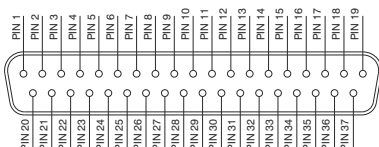
37 pin connector	nr of output = 32 – (total of used signals)
25 pin connector	nr of output = 22 – (total of used signals)
Terminal	nr of output = 16 – (total of used signals)

Following we show some examples of possible combination and the relative pin assignment.



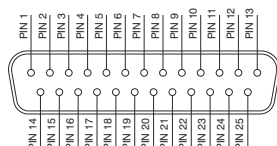
IN-LET ELECTRIC CONNECTIONS

SUB-D 37 POLE MALE CONNECTOR



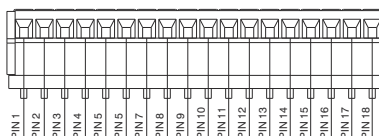
1 - 32 = Solenoid valves signals
33 - 35 = GND
36 - 37 = Through line

SUB-D 25 POLE MALE CONNECTOR



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

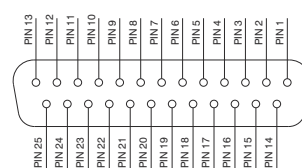
TERMINAL 16 SIGNALS



POS. 1-16 = SIGNALS
POS. 17 = GND
POS. 18 = THROUGH LINE

OUTLET ELECTRIC CONNECTIONS (IF PRESENT)

SUB-D 25 POLE FEMALE CONNECTOR



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

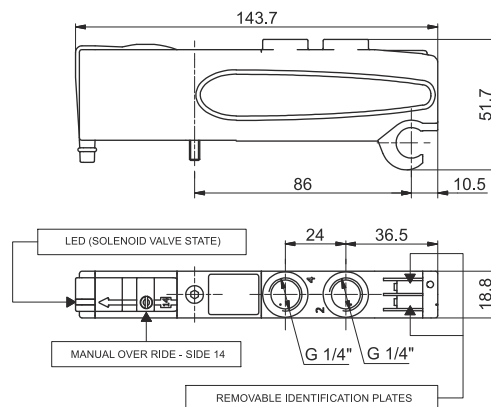
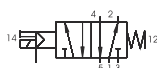
Solenoid - Spring

Ordering code

2531.52.00.39.✓

VOLTAGE

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



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 characteristic

Fluid	Flow rate at 6 bar with $\Delta p=1$ (Nl/min)	Response time according to ISO 12238, activation time (ms)	Response time according to ISO 12238, deactivation time (ms)	Working pressure (bar)	Pressure range (bar) pilots 12-14	Temperature °C	Weight (gr.)
Filtered air, with or without lubrication	1000	14	40	From vacuum to 10	3 - 7 bar	-5° / +50°	123

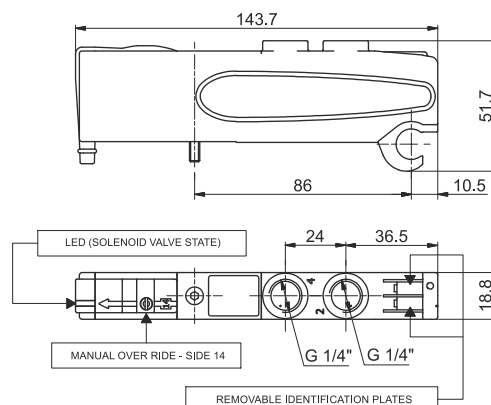
Solenoid - Differential

Ordering code

2531.52.00.36.✓

VOLTAGE

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



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 $\Delta p=1$ (Nl/min)	Response time according to ISO 12238, activation time (ms)	Response time according to ISO 12238, deactivation time (ms)	Working pressure (bar)	Pressure range (bar) pilots 12-14	Temperature °C	Weight (gr.)
Filtered air, with or without lubrication	1000	20	29	From vacuum to 10	3 - 7 bar	-5° / +50°	120

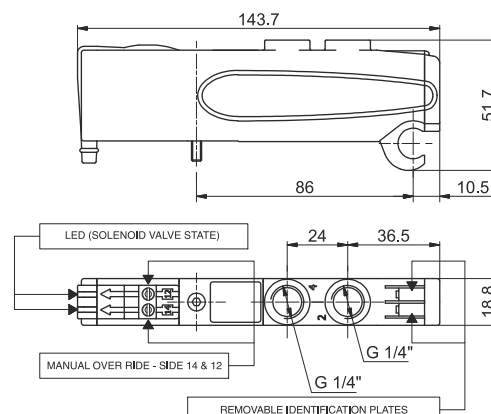
Solenoid - Solenoid

Ordering code

2531.52.00.35.✓

VOLTAGE

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



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 $\Delta p=1$ (Nl/min)	Response time according to ISO 12238, activation time (ms)	Response time according to ISO 12238, deactivation time (ms)	Working pressure (bar)	Pressure range (bar) pilots 12-14	Temperature °C	Weight (gr.)
Filtered air, with or without lubrication	1000	10	14	From vacuum to 10	3 - 7 bar	-5° / +50°	128

Solenoid - Solenoid - (5/3 Closed centres)

Ordering code

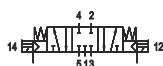
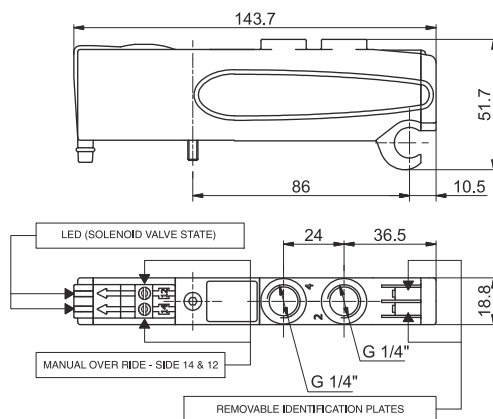
2531.53.31.35.V

VOLTAGE

02 = 24 VDC PNP

12 = 24 VDC NPN

05 = 24 VAC



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.

Operational characteristic

Fluid	Flow rate at 6 bar with $\Delta p=1$ (Nl/min)	Response time according to ISO 12238, activation time (ms)	Response time according to ISO 12238, deactivation time (ms)	Working pressure (bar)	Pressure range (bar) pilots 12-14	Temperature °C	Weight (gr.)
Filtered air, with or without lubrication	600	15	20	From vacuum to 10	3 - 7 bar	-5° / +50°	126

Solenoid - Solenoid 2x3/2

Ordering code

2531.62.F.35.V

FUNCTION

44 = NC - NC (5/3 Open centres)

55 = NO - NO (5/3 Pressured centres)

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

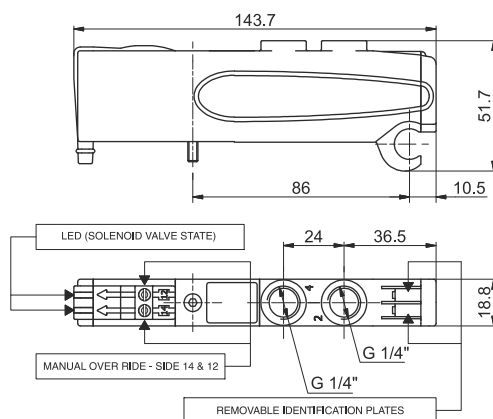
54 = NO - NC (Normally Open - Normally Closed)

VOLTAGE

02 = 24 VDC PNP

12 = 24 VDC NPN

05 = 24 VAC



SHORT FUNCTION CODE :
NC-NC (5/3 Open centres) = "F"
NO-NO (5/3 Pressured centres) = "G"
NC-NO = "H"
NO-NC = "I"

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 $P_p=2,5+(0,2*5) = 3,5\text{bar}$ "

Fluid	Flow rate at 6 bar with $\Delta p=1$ (Nl/min)	Response time according to ISO 12238, activation time (ms)	Response time according to ISO 12238, deactivation time (ms)	Working pressure (bar)	Pressure range (bar) pilots 12-14	Temperature °C	Weight (gr.)
Filtered air, with or without lubrication	700	15	25	From vacuum to 10	$\geq 2,5+(0,2xP_{alim.})$	-5° / +50°	115,5



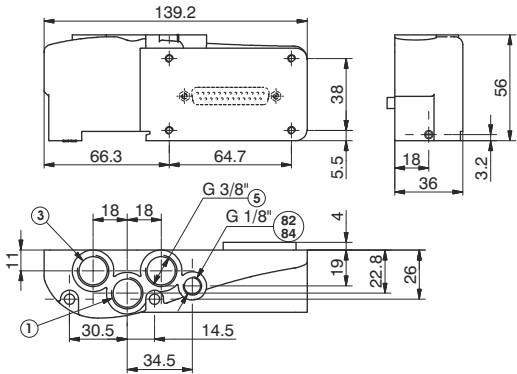
Right Endplates

Ordering code

2530.03.Ⓒ

CONNECTOR TYPE

Ⓒ 00 = Exhaust electrical connection closed
25P=Connector 25 poles



Weight gr. 181,5

CONDUIT 82/84= DO NOT PRESSURIZE, SOLENOID PILOTS EXHAUST

Operational characteristic

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

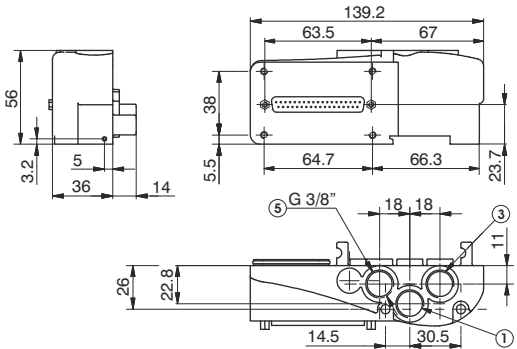
Left Endplates - External feeding base

Ordering code

2530.02.Ⓒ

CONNECTOR TYPE

Ⓒ 37P=Connector 37 poles PNP
25P=Connector 25 poles PNP
37N=Connector 37 poles NPN
25N = Connector 25 poles NPN
37A = Connector 37 poles AC
25A = Connector 25 poles AC
C16 = Terminal 16 signals PNP



Weight gr. 206

Operational characteristic

Fluid	Pressure range (bar)	Pilot working pressure (bar)	Temperature °C
Filtered air, with or without lubrication	From vacuum to 10	3 - 7	-5 to +50

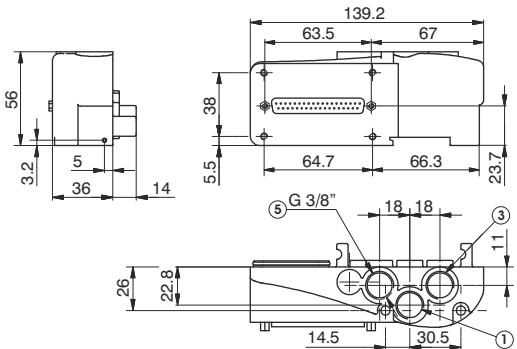
Left Endplates - Self-feeding base

Ordering code

2530.12.Ⓒ

CONNECTOR TYPE

Ⓒ 37P=Connector 37 poles PNP
25P=Connector 25 poles PNP
37N=Connector 37 poles NPN
25N = Connector 25 poles NPN
37A = Connector 37 poles AC
25A = Connector 25 poles AC
C16 = Terminal 16 signals PNP



Weight gr. 206

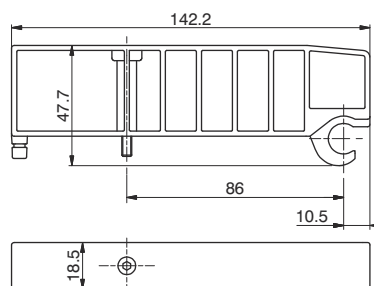
Operational characteristic

Fluid	Pilot working pressure (bar)	Temperature °C
Filtered air, with or without lubrication	3 - 7	-5 to +50

Closing plate

Ordering code

2530.00



Weight gr. 53,5
SHORT FUNCTION CODE "T"

Operational characteristic

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

Modular base

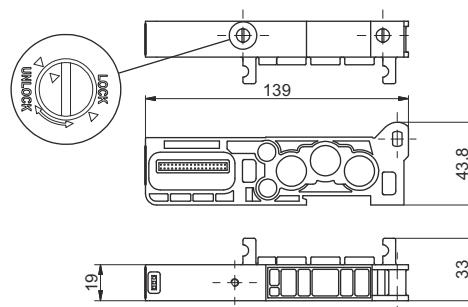
Ordering code

2530.01

VERSION

M=Monostable

B=Bistable



Weight gr. 91,5
SHORT FUNCTION CODE "1" (Monostable)
SHORT FUNCTION CODE "2" (Bistable)

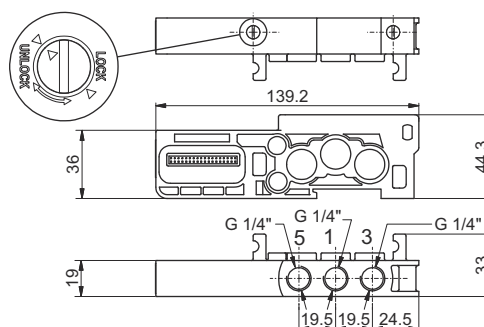
Operational characteristic

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

Intermediate Inlet/Exhaust module

Ordering code

2530.10



Weight gr. 110
SHORT FUNCTION CODE "W"

Operational characteristic

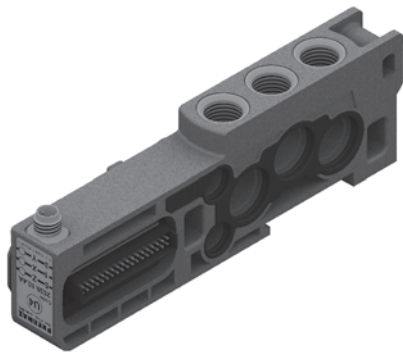
Fluid	Pressure range (bar)	Temperature °C
Filtered air, with or without lubrication	From vacuum to 10	-5 to +50

General :

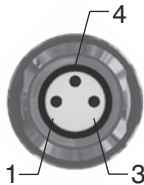
Each Optyma-F manifold lets to manage 32 command signals for the valves.
Optyma-F serial nodes (CANopen®, DeviceNet, PROFIBUS DP, EtherCAT®, PROFINET IO RT/IRT, EtherNet/IP and Powerlink) have a single pin for the power supply of the solenoid valves.
So if you want to interrupt the power supply of one valve it is necessary to interrupt all the valves.
The additional power supply module lets to interrupt at the same time the first 2 available command signals for the valves after the module itself. The additional power supply module is particularly useful also when you use control signals that block the valves. This application is effective both with serial management and multi-pole connection of the manifolds.
This module is inserted directly into the Optyma-F solenoid valves manifold.

Ordering code

2530.10.2A



In particular this module is fitted with a M8 3 pins connector:
+24V, not connected, GND.



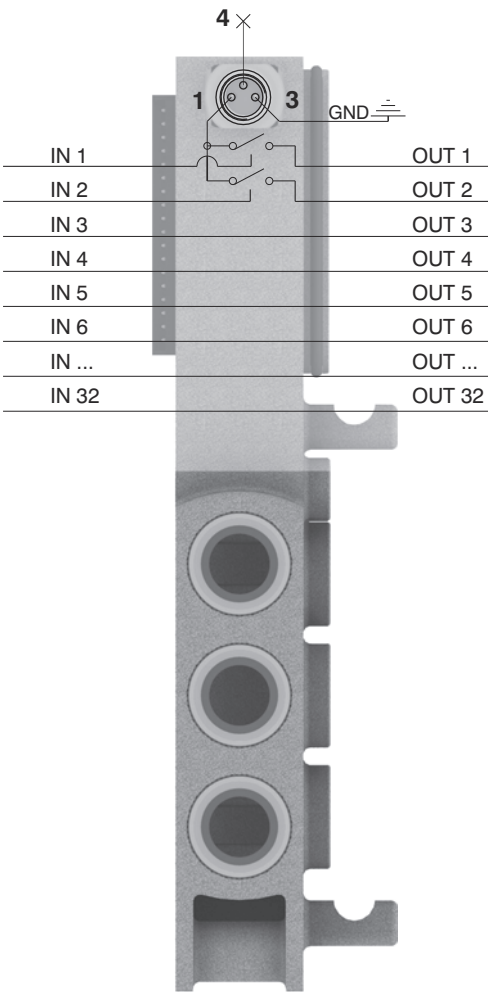
PIN	DESCRIPTION
1	+24 VDC
4	NOT CONNECTED
3	GND


WORKING PRINCIPLE / SIMPLIFIED FUNCTIONAL DIAGRAM

This module uses an external power supply (+24VDC) to manage the solenoid valves.

The output signal from serial node / multi-pole connection is used as command signal: when it is high the +24VDC will be present at the module output.

If you want to cut off the power supply to a group of 2 valves it is sufficient to take away the +24VDC provided to the module by the M8 connector.



 **Please note:** It is possible to use more modules to interrupt all the command signals, simply by inserting them before the signals to interrupt and after the signals already interrupted.