General

The trend towards the miniaturization of components has been consolidated. The use of new technologies makes it possible to manufacture components with high flow rates but extremely compact sizes.
Electric piloting is by means of low-absorption miniature solenoids which are easily connected to the electronic control systems of machines (PLC). Another object of study have been manifolds and multiple bases for ganged assembly of valves or solenoid valves with option for having outlets 2 and 4 either on the valve body or on the base through threaded holes or integrated quick connections provided.
Versions 3/2 and 5/2 are fitted with pneumatic and electropneumatic controls with resetting by mechanically or pneumatically operated spring, or by pneumatic or electropneumatic operation on the bistable versions.
The basic difference between this type of distributors and the others we produce, based on the spool system, lies in the fact that the seals rest on the spool and are dynamic, instead of being locked intoo spool the valve body by means of spacers. By this means a compact size is obtained and the distributors can be slotted into bases and manifolds by means of two screws.

Structural characteristics

Body	Aluminium
Operators	Aluminium
Spool	Aluminium
Pistons	Aluminium
Seals	HNBR
Spring	Stainless steel

Use and maintenance

These valves have an average life of 15 million cycles depending on the application and air quality, filtered and lubricated air using specified lubricants will dramatically reduce the wear of the seals and ensures long and trouble free operation.
Please ensure that the valve is being used according with the manufacturers specification, such as air pressure and temperature and that exhaust ports 3 & 5 are protected against the possible ingress of dirt or debris.
Repair kits including the spool complete with seals are available for overhauling the valves; however, although this is a simple operation it should be carried out by a competent person.

ATTENTION: use hydraulic oil class H for lubrication such as MAGNA GC 32 (Castrol).

How to order the electrodistributors

Example:

805.52.0.1.01 Electrodistributor with miniature solenoid 12 V D.C.

List of codes for tensions:

01 = miniature solenoid 12 V D.C.
02 = miniature solenoid 24 V D.C.
05 = miniature solenoid 24 V A.C.
06 = miniature solenoid 110 V A.C.
07 = miniature solenoid 220 V A.C.

The electropilot utilized is a 15 mm 3/2 N.C. miniature solenoid with faston and 1.1 mm orifice (see Series 300,).

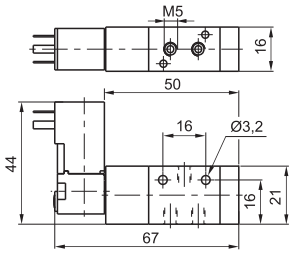
Miniature solenoid c UL us homologated are available (see series 300)

3/2 Solenoid - Spring

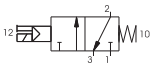
Ordering code

805.Ⓣ.0.1.Ⓥ

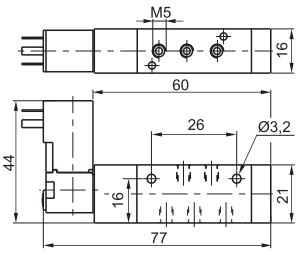
Ⓣ	TYPE
	32 = 3 ways
	52 = 5 ways
Ⓥ	VOLTAGE
	01 = 12V D.C.
	02 = 24V D.C.
	05 = 24V A.C.
	06 = 110V A.C.
	07 = 220V A.C.



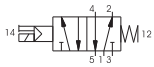
Weight gr. 80
Minimum working pressure 2 bar



5/2 Solenoid - Spring



Weight gr. 85
Minimum working pressure 2 bar



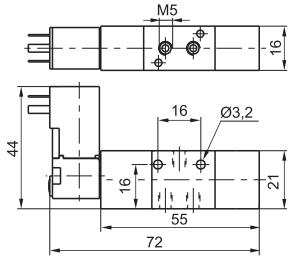
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	160 Nl/min	mm 2,5	M5

3/2 Solenoid - Differential

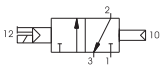
Ordering code

805.Ⓣ.0.12.Ⓥ

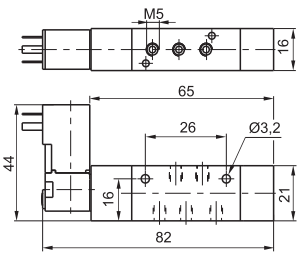
Ⓣ	TYPE
	32 = 3 ways
	52 = 5 ways
Ⓥ	VOLTAGE
	01 = 12V D.C.
	02 = 24V D.C.
	05 = 24V A.C.
	06 = 110V A.C.
	07 = 220V A.C.



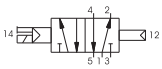
Weight gr. 85
Minimum working pressure 2 bar



5/2 Solenoid - Differential



Weight gr. 90
Minimum working pressure 2 bar



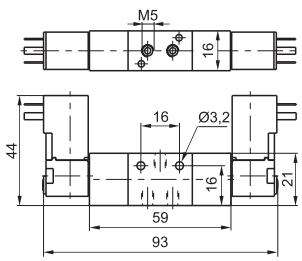
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	160 Nl/min	mm 2,5	M5

3/2 Solenoid - Solenoid

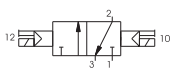
Ordering code

805.Ⓣ.0.0.Ⓥ

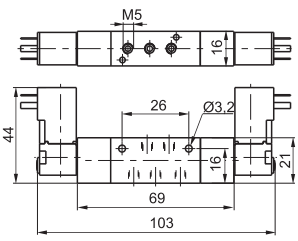
Ⓣ	TYPE
	32 = 3 ways
	52 = 5 ways
Ⓥ	VOLTAGE
	01 = 12V D.C.
	02 = 24V D.C.
	05 = 24V A.C.
	06 = 110V A.C.
	07 = 220V A.C.



Weight gr. 120
Minimum working pressure 1,5 bar



5/2 Solenoid - Solenoid

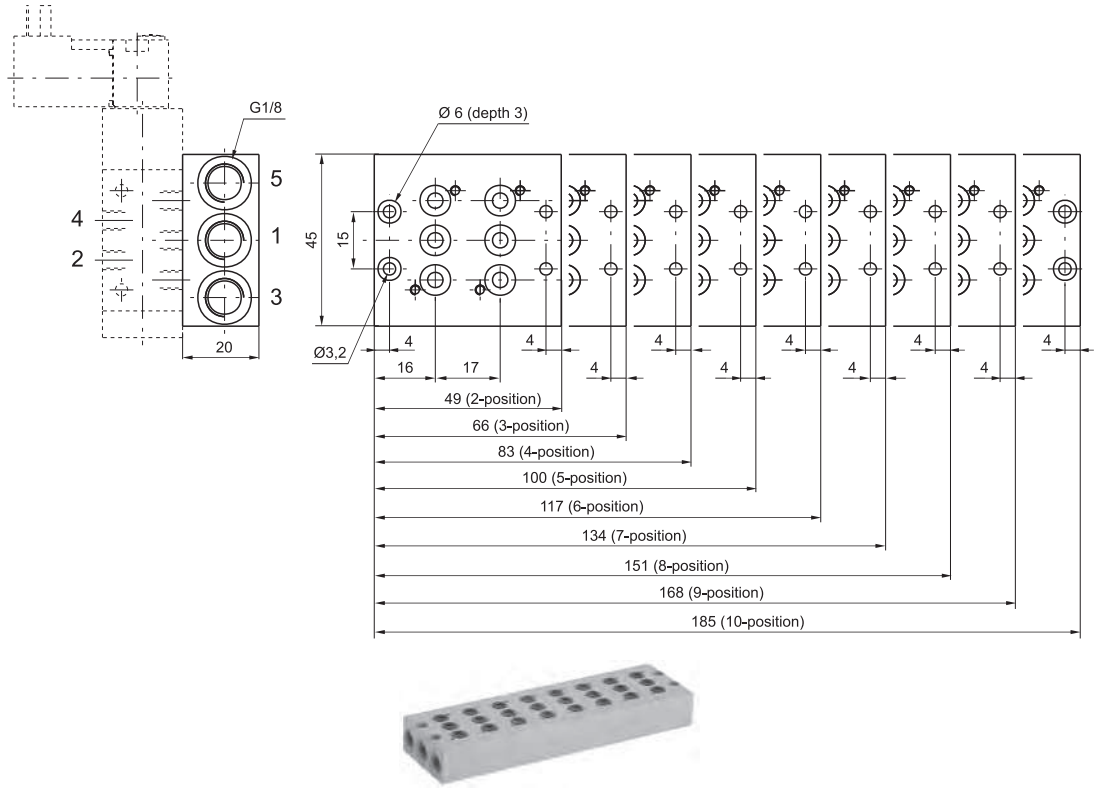


Weight gr. 125
Minimum working pressure 1,5 bar

Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	160 Nl/min	mm 2,5	M5

2

Manifolds

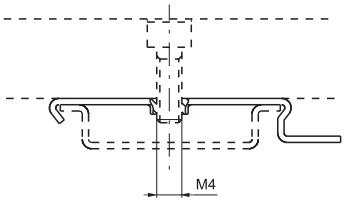


Ordering code

805.Ⓟ

Ⓟ	N. POSITIONS
	02 = 2 pos. (weight gr. 95)
	03 = 3 pos. (weight gr. 130)
	04 = 4 pos. (weight gr. 160)
	05 = 5 pos. (weight gr. 190)
	06 = 6 pos. (weight gr. 225)
	07 = 7 pos. (weight gr. 260)
	08 = 8 pos. (weight gr. 290)
	09 = 9 pos. (weight gr. 325)
	10 = 10 pos. (weight gr. 365)

Clip

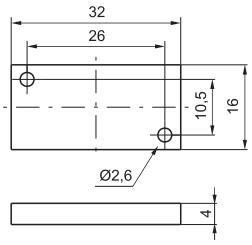


Ordering code

800.00

Weight gr. 5 - (for mounting the distributors groups on guide DIN 46277/3)

Closing plate



Ordering code

805.00

Weight gr. 15

2

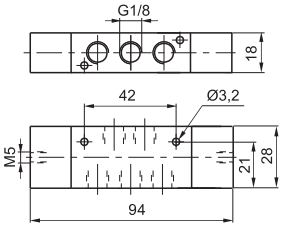
Pneumatic - Pneumatic

5/3

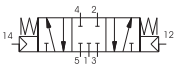
Ordering code

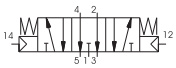
808.53.Ⓣ.11.11

Ⓣ	TYPE
	31 = Closed centres
	32 = Open centres



Weight gr. 125
Minimum piloting pressure 3 bar





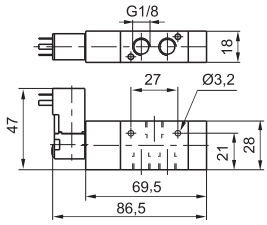
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size	Pilot ports size
	Filtered and lubricated air	10 bar	-5 - +70	520 Nl/min	mm 4	G 1/8"	M5

3/2 Solenoid - Spring

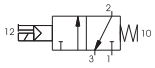
Ordering code

808.Ⓣ.0.1.Ⓥ

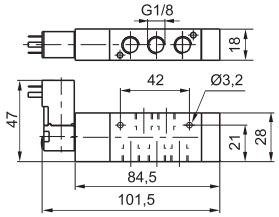
Ⓣ	TYPE
	32 = 3 ways
	52 = 5 ways
Ⓥ	VOLTAGE
	01 = 12V D.C.
	02 = 24V D.C.
	05 = 24V A.C.
	06 = 110V A.C.
	07 = 220V A.C.



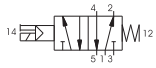
Weight gr. 130
Minimum working pressure 2 bar



Solenoid - Spring 5/2



Weight gr. 135
Minimum working pressure 2 bar



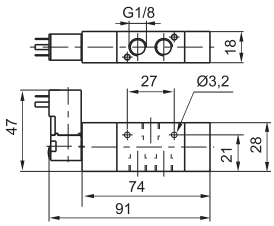
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	520 Nl/min	mm 4	G 1/8"

3/2 Solenoid - Differential

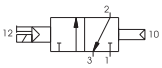
Ordering code

808.Ⓣ.0.12.Ⓥ

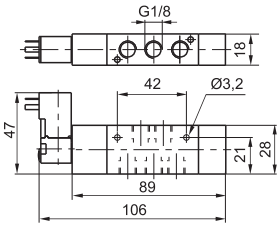
Ⓣ	TYPE
	32 = 3 ways
	52 = 5 ways
Ⓥ	VOLTAGE
	01 = 12V D.C.
	02 = 24V D.C.
	05 = 24V A.C.
	06 = 110V A.C.
	07 = 220V A.C.



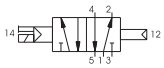
Weight gr. 140
Minimum working pressure 2 bar



Solenoid - Differential 5/2

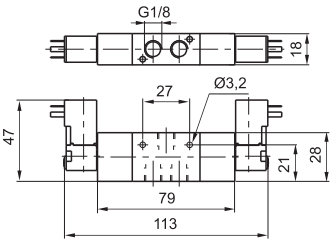


Weight gr. 145
Minimum working pressure 2 bar

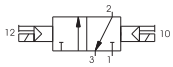


Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	520 Nl/min	mm 4	G 1/8"

3/2 Solenoid - Solenoid



Weight gr. 185
Minimum working pressure 1,5 bar

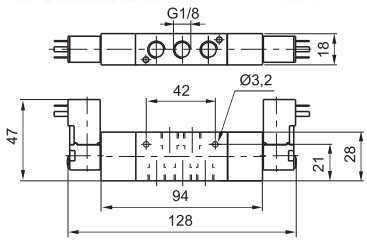


Ordering code

808.Ⓣ.0.0.Ⓥ

Ⓣ	TYPE
	32 = 3 ways
	52 = 5 ways
Ⓥ	VOLTAGE
	01 = 12V D.C.
	02 = 24V D.C.
	05 = 24V A.C.
	06 = 110V A.C.
	07 = 220V A.C.

Solenoid - Solenoid 5/2



Weight gr. 190
Minimum working pressure 1,5 bar

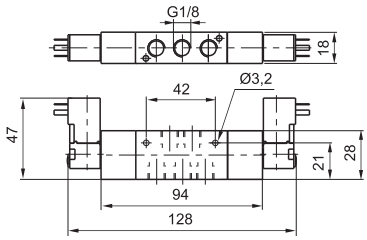
Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	520 Nl/min	mm 4	G 1/8"

Solenoid - Solenoid 5/3

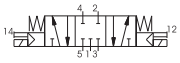
Ordering code

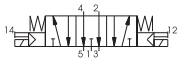
808.53.Ⓣ.0.0.Ⓥ

Ⓣ	TYPE
	31 = Closed centres
	32 = Open centres
Ⓥ	VOLTAGE
	01 = 12V D.C.
	02 = 24V D.C.
	05 = 24V A.C.
	06 = 110V A.C.
	07 = 220V A.C.



Weight gr. 190
Minimum working pressure 3 bar

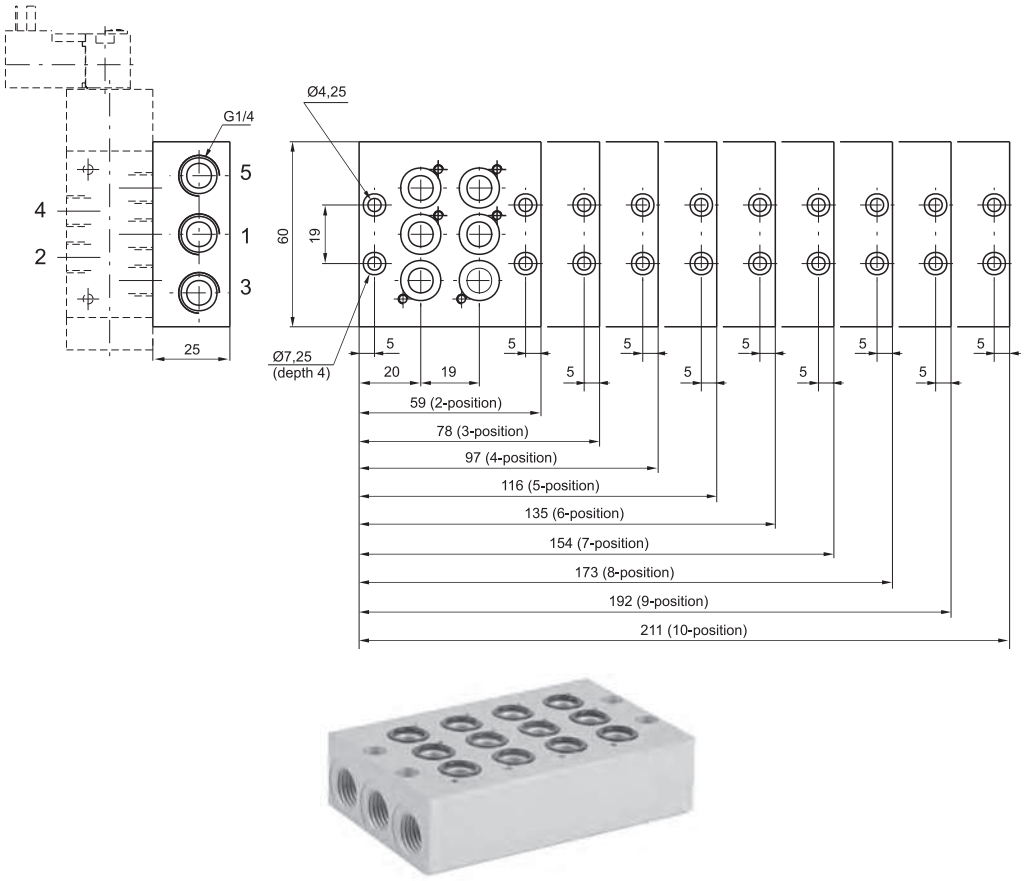




Operational characteristic	Fluid	Max working pressure (bar)	Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working ports size
	Filtered and lubricated air	10 bar	Min. -5°C Max. +50°C	520 Nl/min	mm 4	G 1/8"

2

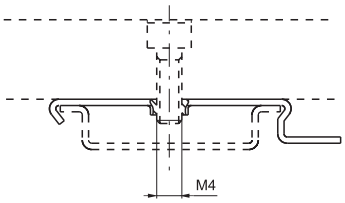
Manifolds



Ordering code
808.Ⓟ

Ⓟ	N. POSITIONS
	02 = 2 pos.(weight gr. 180)
	03 = 3 pos.(weight gr. 245)
	04 = 4 pos.(weight gr. 310)
	05 = 5 pos.(weight gr. 375)
	06 = 6 pos.(weight gr. 440)
	07 = 7 pos.(weight gr. 500)
	08 = 8 pos.(weight gr. 560)
	09 = 9 pos.(weight gr. 620)
	10 = 10 pos.(weight gr. 680)

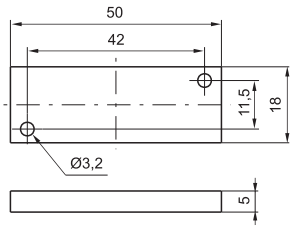
Clip



Ordering code
800.00

Weight gr. 5 - (for mounting the distributors groups on guide DIN 46277/3)

Closing Plate



Ordering code
808.00

Weight gr. 65

General

Competitively priced, good performance and versatility combined with a compact design are the main characteristics of this new series of valves. The aluminium valve body and spool/seal arrangement optimize both the flow rate and the valve switching time.
This new series of valves are available with G1/8" and G1/4" ports in 3/2, 5/2 and 5/3 versions. Monostable or bistable versions are available and include an integrated technopolymer solenoid operator with 9mm stem and built in manual override
The valves can be supplied with or without the solenoid coil, however, if the solenoid coil is required please refer to the following table:

Voltages		Coil Code	Voltage Code
Direct current DC	12V (3,5W)	**MF4**	**F04**
	24V (3,5W)	**MF5**	**F05**
Alternating current AC 50 Hz	24V (3,7W)	**MF56**	**F56**
	110V (3,7W)	**MF57**	**F57**
	220V (3,7W)	**MF58**	**F58**

Connectors Ordering codes		
Voltages		**Kit 100 pieces**
DC/AC	24V	**888.11.01L-K**
Alternating current AC 50 - 60 Hz	110V	**888.11.02L-K**
	220V	**888.11.03L-K**

Construction characteristics

Body	Aluminium
Operators	Technopolymer Aluminium for spring bottom plates
Spools	Aluminium
Seals	NBR
Pistons	Technopolymer
Springs	Spring steel

Use and maintenance

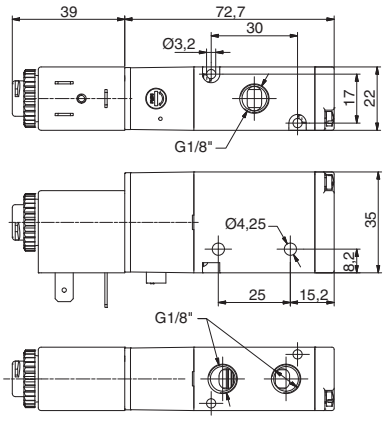
These valves have an average life of 15 million cycles depending on the application and air quality, filtered and lubricated air using specified lubricants will dramatically reduce the wear of the seals and ensures long and trouble free operation.
Please ensure that the valve is being used according with the manufacturers specification, such as air pressure and temperature and that exhaust ports 3 & 5 are protected against the possible ingress of dirt or debris.
Repair kits including the spool complete with seals are available for overhauling the valves; however, although this is a simple operation it should be carried out by a competent person.

Solenoid - Spring - 3/2

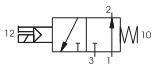
Ordering code

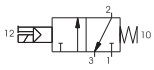
8880.32.Ⓕ.39.Ⓥ
Self-feeding

Ⓕ	FUNCTION
	A=Normally Open
	C=Normally Closed
Ⓥ	VOLTAGE
	F05=24 V DC
	F56=24 V (50-60 Hz)
	F57=110 V (50-60 Hz)
	F58=220 V (50-60 Hz)
	F00=Without coil



Weight gr. 210
Minimum working pressure 2 bar





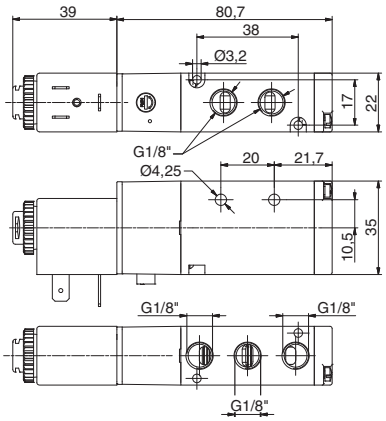
Operating Characteristics	Fluid	Max working pressure (bar)	Operating Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working port size
	Filtered and lubricated air	8	-5 ÷ +50	790	5,8	G 1/8"

Solenoid - Spring - 5/2

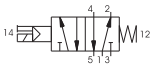
Ordering code

8880.52.00.39.Ⓥ
Self-feeding

Ⓥ	VOLTAGE
	F05=24 V DC
	F56=24 V (50-60 Hz)
	F57=110 V (50-60 Hz)
	F58=220 V (50-60 Hz)
	F00=Without coil



Weight gr. 220
Minimum working pressure 2 bar



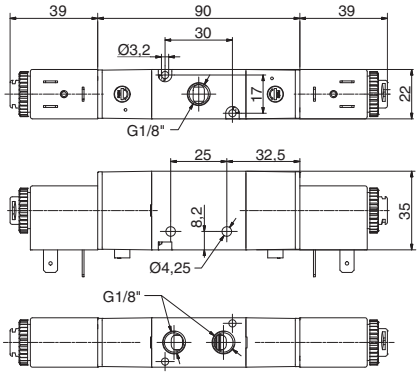
Operating Characteristics	Fluid	Max working pressure (bar)	Operating Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working port size
	Filtered and lubricated air	8	-5 ÷ +50	790	5,8	G 1/8"

Solenoid - Solenoid - 3/2

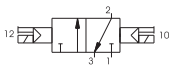
Ordering code

8880.32.00.35.Ⓥ

Ⓥ	VOLTAGE
	F05=24 V DC
	F56=24 V (50-60 Hz)
	F57=110 V (50-60 Hz)
	F58=220 V (50-60 Hz)
	F00=Without coil



Weight gr. 310
Minimum working pressure 2 bar



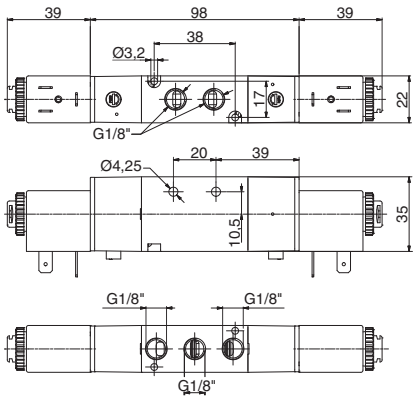
Operating Characteristics	Fluid	Max working pressure (bar)	Operating Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working port size
	Filtered and lubricated air	8	-5 ÷ +50	790	5,8	G 1/8"

Solenoid - Solenoid - 5/2

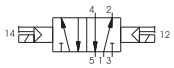
Ordering code

8880.52.00.35.Ⓥ

	VOLTAGE
Ⓥ	F05=24 V DC
	F56=24 V (50-60 Hz)
	F57=110 V (50-60 Hz)
	F58=220 V (50-60 Hz)
	F00=Without coil



Weight gr. 320
Minimum working pressure 2 bar



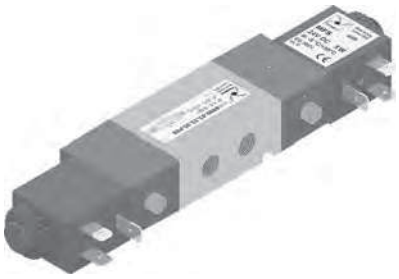
Operating Characteristics	Fluid	Max working pressure (bar)	Operating Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working port size
	Filtered and lubricated air	8	-5 ÷ +50	790	5,8	G 1/8"

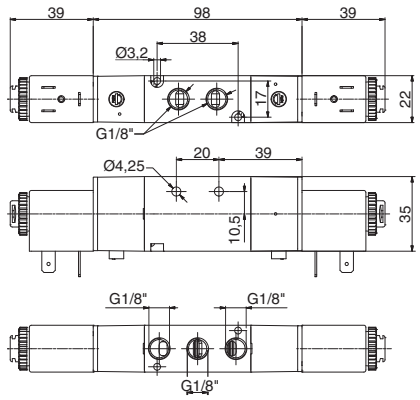
Solenoid - Solenoid - 5/3

Ordering code

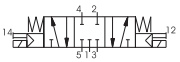
8880.53.Ⓕ.35.Ⓥ

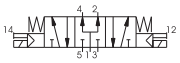
	FUNCTION
Ⓕ	31=Closed centres
	32=Open centres
	33=Pressured centres
	VOLTAGE
Ⓥ	F05=24 V DC
	F56=24 V (50-60 Hz)
	F57=110 V (50-60 Hz)
	F58=220 V (50-60 Hz)
	F00=Without coil





Weight gr. 330
Minimum working pressure 2,5 bar





Operating Characteristics	Fluid	Max working pressure (bar)	Operating Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working port size
	Filtered and lubricated air	8	-5 ÷ +50	440	5,8	G 1/8"

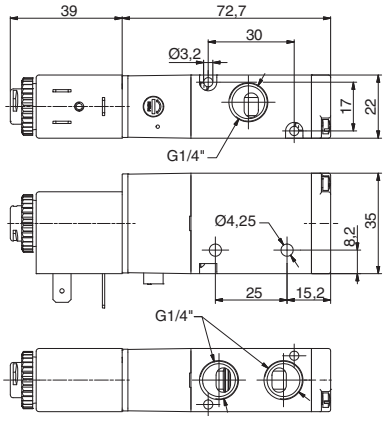
2

Solenoid - Spring - 3/2

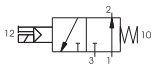
Ordering code

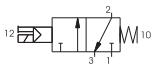
8884.32.Ⓕ.39.Ⓥ
Self-feeding

Ⓕ	FUNCTION
	A= Normally Open
	C= Normally Closed
Ⓥ	VOLTAGE
	F05=24 V DC
	F56=24 V (50-60 Hz)
	F57=110 V (50-60 Hz)
	F58=220 V (50-60 Hz)
	F00=Without coil



Weight gr. 210
Minimum working pressure 2 bar





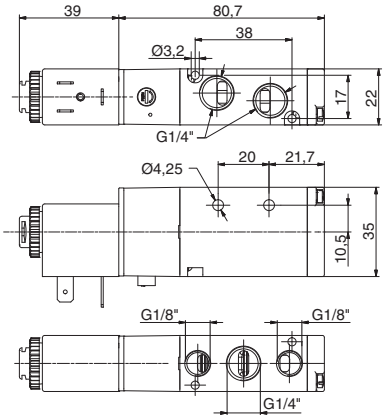
Operating Characteristics	Fluid	Max working pressure (bar)	Operating Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working port size
	Filtered and lubricated air	8	-5 ÷ +50	890	6,5	G 1/4"

Solenoid - Spring - 5/2

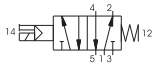
Ordering code

8884.52.00.39.Ⓥ
Self-feeding

Ⓥ	VOLTAGE
	F05=24 V DC
	F56=24 V (50-60 Hz)
	F57=110 V (50-60 Hz)
	F58=220 V (50-60 Hz)
	F00=Without coil



Weight gr. 220
Minimum working pressure 2 bar



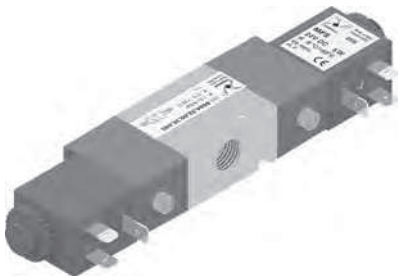
Operating Characteristics	Fluid	Max working pressure (bar)	Operating Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working port size
	Filtered and lubricated air	8	-5 ÷ +50	890	6,5	G 1/4"

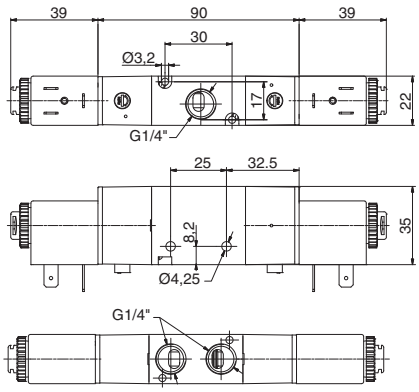
Solenoid - Solenoid - 3/2

Ordering code

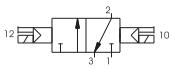
8884.32.00.35.Ⓥ

Ⓥ	VOLTAGE
	F05=24 V DC
	F56=24 V (50-60 Hz)
	F57=110 V (50-60 Hz)
	F58=220 V (50-60 Hz)
	F00=Without coil





Weight gr. 310
Minimum working pressure 2 bar



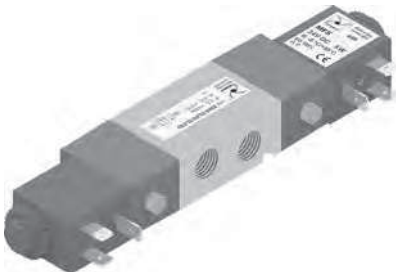
Operating Characteristics	Fluid	Max working pressure (bar)	Operating Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working port size
	Filtered and lubricated air	8	-5 ÷ +50	890	6,5	G 1/4"

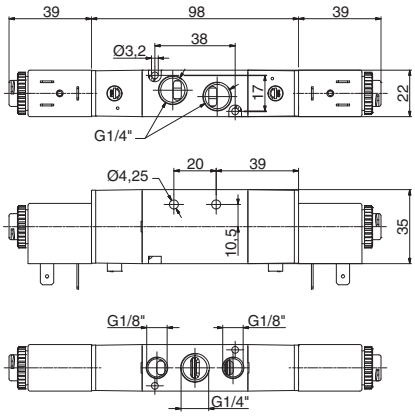
Solenoid - Solenoid - 5/2

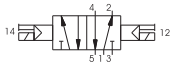
Ordering code

8884.52.00.35.Ⓥ

Ⓥ	VOLTAGE
	F05=24 V DC
	F56=24 V (50-60 Hz)
	F57=110 V (50-60 Hz)
	F58=220 V (50-60 Hz)
	F00=Without coil







Weight gr. 320
Minimum working pressure 2 bar

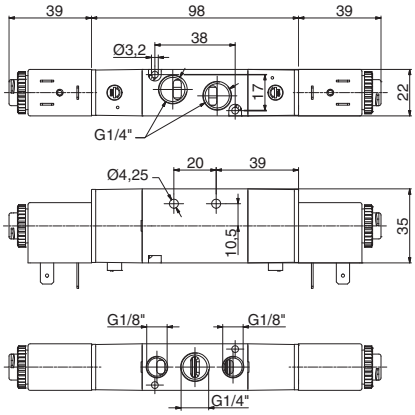
Operating Characteristics	Fluid	Max working pressure (bar)	Operating Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working port size
	Filtered and lubricated air	8	-5 ÷ +50	890	6,5	G 1/4"

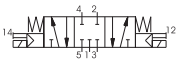
Solenoid - Solenoid - 5/3

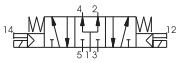
Ordering code

8884.53.Ⓕ.35.Ⓥ

Ⓕ	FUNCTION
	31=Closed centres
	32=Open centres
	33=Pressured centres
Ⓥ	VOLTAGE
	F05=24 V DC
	F56=24 V (50-60 Hz)
	F57=110 V (50-60 Hz)
	F58=220 V (50-60 Hz)
	F00=Without coil





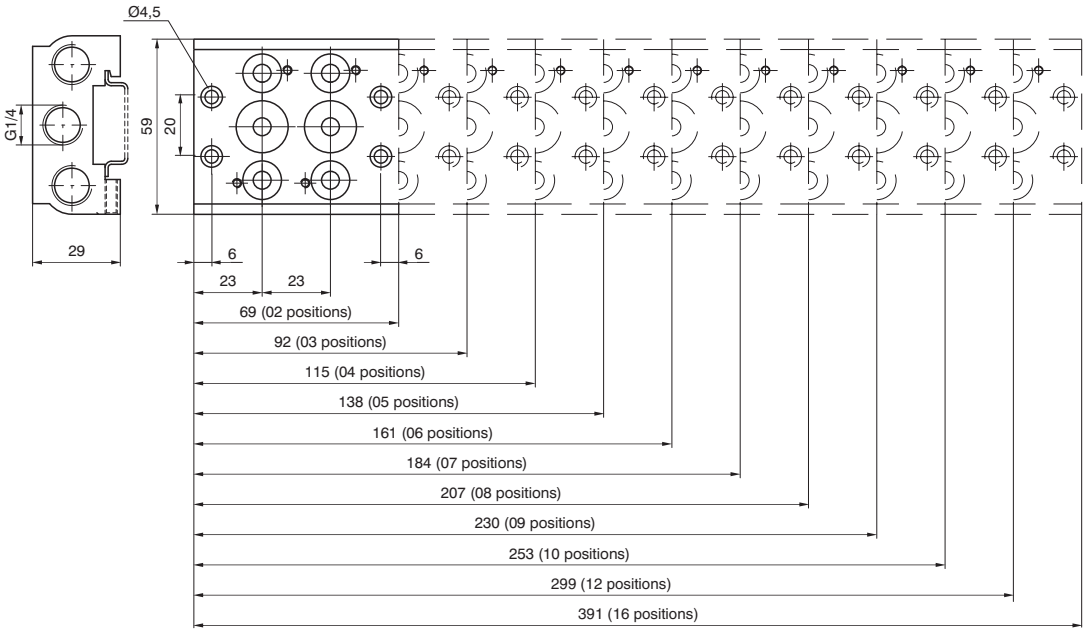


Weight gr. 330
Minimum working pressure 2,5 bar

Operating Characteristics	Fluid	Max working pressure (bar)	Operating Temperature °C	Flow rate at 6 bar with Δp=1 (Nl/min)	Orifice size (mm)	Working port size
	Filtered and lubricated air	8	-5 ÷ +50	540	6,5	G 1/4"

2

Manifold (Valves 5/2 - 5/3)



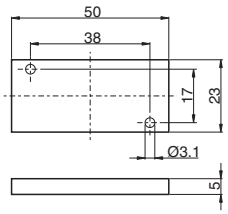
Ordering code
888.P

P	N. POSITIONS
	02=nr. 2 pos. (270 gr)
	03=nr. 3 pos. (335 gr)
	04=nr. 4 pos. (400 gr)
	05=nr. 5 pos. (465 gr)
	06=nr. 6 pos. (530 gr)
	07=nr. 7 pos. (595 gr)
	08=nr. 8 pos. (660 gr)
	09=nr. 9 pos. (725 gr)
	10=nr. 10 pos. (790 gr)
	12=nr. 12 pos. (920 gr)
	16=nr. 16 pos. (1180 gr)

Manifold supplied complete with Seals, Valve fixing screws and DIN rail fixing pin

Closing plate

Ordering code
888.00

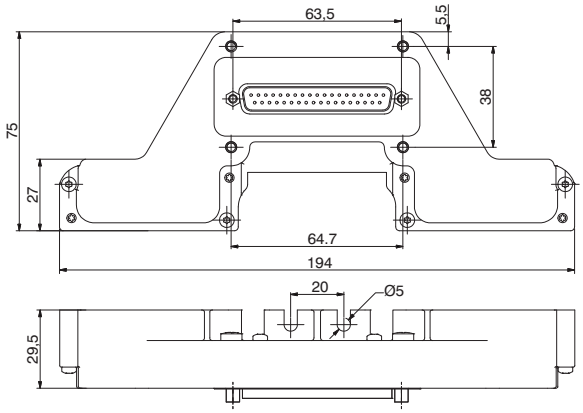


Weight gr. 18
Closing plate supplied complete with 2 fixing screws to the manifold and 2 fixing screws to the multi-polar base

Endplate, 37 Poles IP65

Ordering code

888M.37.10

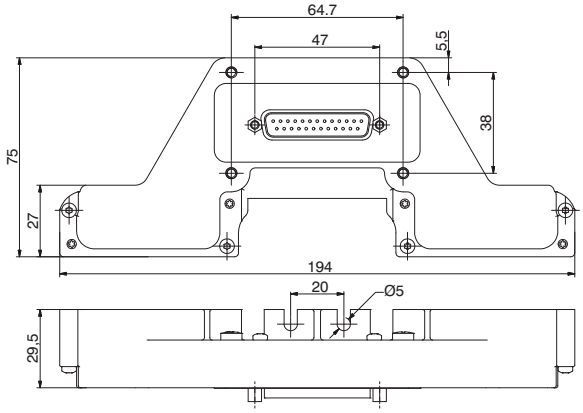


Weight gr. 186
The IP65 protection is obtained by IP65 Pneumax cable
Code complete with assembled endplate and 4 manifold fixing screws, previously mounted on the Manifold.

Endplate, 25 Poles IP65

Ordering code

888M.25.10

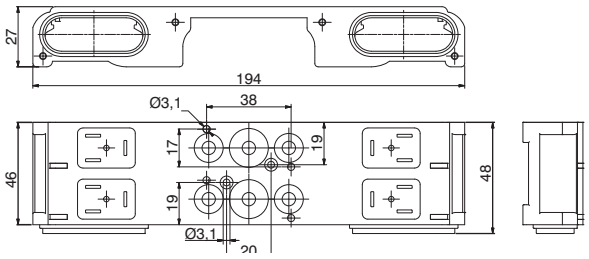


Weight gr. 181
The IP65 protection is obtained by IP65 Pneumax cable
Code complete with assembled endplate and 4 manifold fixing screws, previously mounted on the Manifold.

Modular base, 2 positions IP65

Ordering code

888M.02.BM



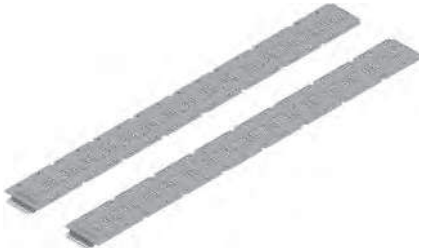
Weight gr. 220
Complete with seals and fixing screws
Usable only for 5/2 and 5/3 Distributors

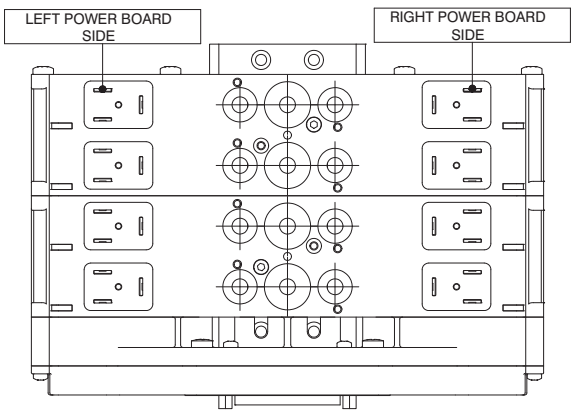
Left and Right Power board PNP 24 VDC

Ordering code

888M.Ⓟ.Ⓣ

	N. POSITIONS
Ⓟ	04=nr. 4 pos. (11,2 gr.)
	08=nr. 8 pos. (22,4 gr.)
	12=nr. 12 pos. (33,6 gr.)
	16=nr. 16 pos. (44,8 gr.)
	TYPE
Ⓣ	00 = Left side
	01 = Right side





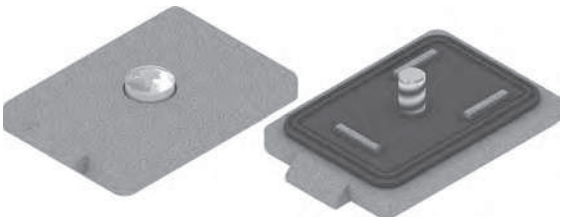
The IP65 protection degree is guarantees if assembled by Pneumax

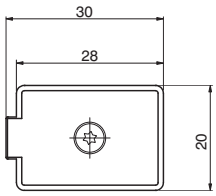
2

Closing plate

Ordering code

888M.22.PC



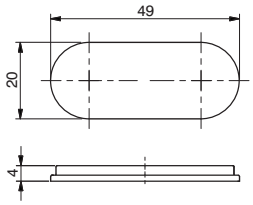


Weight gr. 3
Closing plate supplied complete with 1 Seal and fixing screw with O ring
Torque moment 0,35 Nm

Multipolar base plug

Ordering code

888M.T

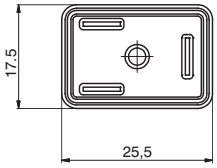


Weight gr. 2,6
Complete with: 1 Plug, 2 Fixing screws

Seals

Ordering code

888M.22.G



Weight gr. 0,52

In line cable complete with connector IP40

Ordering code

2400.Ⓣ.Ⓛ.00

Ⓣ	CONNECTORS
	25=25 poles
	37=37 poles
Ⓛ	CABLE LENGHT
	03=3 meters
	05=5 meters
	10=10 meters

Cable complete with connector, 25 Poles IP65

Ordering code

2300.25.Ⓛ.Ⓒ

Ⓛ	CABLE LENGHT
	03=3 meters
	05=5 meters
	10=10 meters
Ⓒ	CONNECTORS
	10=In line
	90=90° Angle

Cable complete with connector, 37 Poles IP65

Ordering code

2400.37.Ⓛ.Ⓒ

Ⓛ	CABLE LENGHT
	03=3 meters
	05=5 meters
	10=10 meters
Ⓒ	CONNECTORS
	10=In line
	90=90° Angle

Manifold layout Configuration Point to Point

V22	P (point to point)	_	...

Nr. POSITIONS:

A = 02 positions
B = 03 positions
C = 04 positions
D = 05 positions
E = 06 positions
F = 07 positions
G = 08 positions
H = 09 positions
I = 10 positions
M = 12 positions
Q = 16 positions

SHORT CODE FUNCTION / CONNECTION :

A1= EV 5/2 SOL. - SPRING G1/8"
A2= EV 5/2 SOL. - SPRING G1/4"
B1= EV 5/2 SOL. - SOL. G1/8"
B2= EV 5/2 SOL. - SOL. G1/4"
C1= EV 5/3 CC SOL. - SOL. G1/8"
C2= EV 5/3 CC SOL. - SOL. G1/4"
C3= EV 5/3 OC SOL.-SOL. G1/8"
C4= EV 5/3 OC SOL.-SOL. G1/4"
C5= EV 5/3 PC SOL.-SOL. G1/8"
C6= EV 5/3 PC SOL.-SOL. G1/4"
T3= VALVE SPACE PLUG

Manifold layout Configuration Multi-pole

V22	M (Multi-pole)	_ _	_	_	...

LEFT ENDPLATES

P2 = 25 poles (max. 11 Ev.)
P3 = 37 poles (max. 16 Ev.)

LEFT BOARD SIGNALS

C = 04 positions
G = 08 positions
M = 12 positions
Q = 16 positions

RIGHT BOARD SIGNALS

C = 04 positons
G = 08 positons
M = 12 positons
Q = 16 positons
00= no board

SHORT CODE FUNCTION / CONNECTION :

A1= EV 5/2 SOL. - SPRING G1/8"
A2= EV 5/2 SOL. - SPRING G1/4"
B1= EV 5/2 SOL. - SOL. G1/8"
B2= EV 5/2 SOL. - SOL. G1/4"
C1= EV 5/3 CC SOL. - SOL. G1/8"
C2= EV 5/3 CC SOL. - SOL. G1/4"
C3= EV 5/3 OC SOL.-SOL. G1/8"
C4= EV 5/3 OC SOL.-SOL. G1/4"
C5= EV 5/3 PC SOL.-SOL. G1/8"
C6= EV 5/3 PC SOL.-SOL. G1/4"
T1= VALVE SPACE PLUG
+ Nr. 2 ELECTRICAL SPACE PLUGS

Serial manifold layout (for the serial system node, see the Optyma-F Series)

V22	S (Serial)	_ _	–	_ _	_	_	...

INPUT MODULE

D1 = 8IN DIGITAL MODULE M8
D2 = 16IN DIGITAL MODULE SUB-D 25 P
T1 = 2IN ANALOG MODULE 0-5 V
T2 = 2IN ANALOG MODULE 0-10 V
C1 = 2IN ANALOG MODULE 0-20 mA
C2 = 2IN ANALOG MODULE 4-20 mA

SERIAL NODE

C3 = CANopen® 32 OUT - 32IN
D3 = DeviceNet 32 OUT - 32IN
P3 = PROFIBUS 32 OUT - 64IN
E3 = EtherCAT® 32 OUT - 32IN
II3 = EtherNet / IP 32 OUT - 64IN
N3 = PROFINET IO RT/IRT 32 OUT - 64IN

LEFT BOARD SIGNALS

C = 04 positions
G = 08 positions
M = 12 positions
Q = 16 positions

RIGHT BOARD SIGNALS

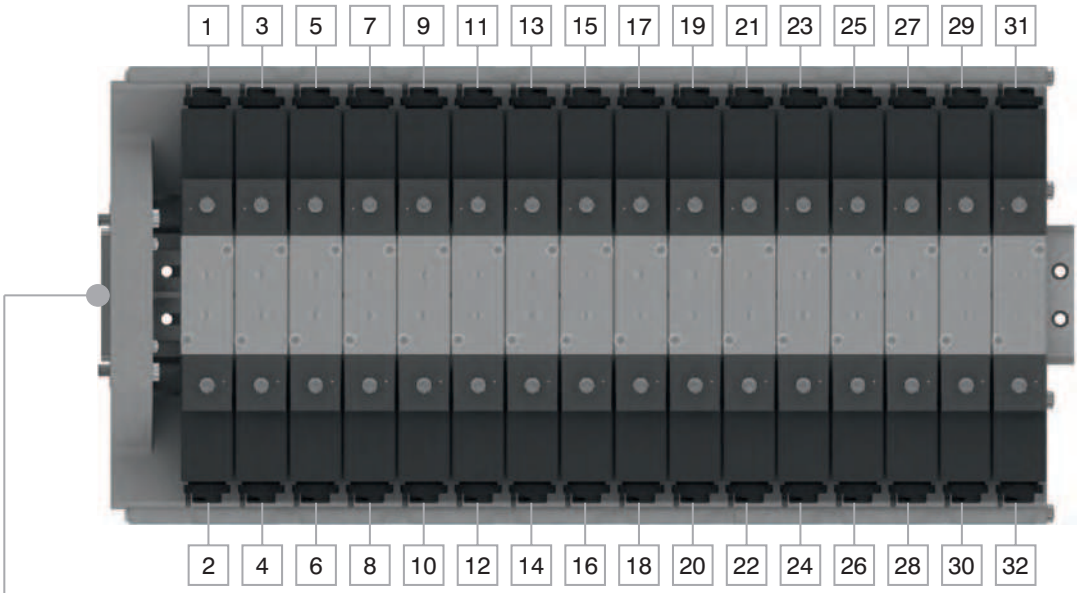
C = 04 positions
G = 08 positions
M = 12 positions
Q = 16 positions
00= no board

SHORT CODE FUNCTION / CONNECTION :

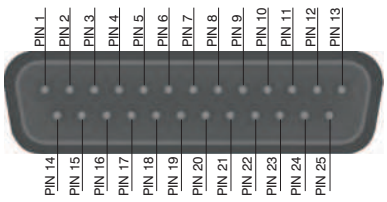
A1= EV 5/2 SOL. - SPRING G1/8"
A2= EV 5/2 SOL. - SPRING G1/4"
B1= EV 5/2 SOL. - SOL. G1/8"
B2= EV 5/2 SOL. - SOL. G1/4"
C1= EV 5/3 CC SOL. - SOL. G1/8"
C2= EV 5/3 CC SOL. - SOL. G1/4"
C3= EV 5/3 OC SOL.-SOL. G1/8"
C4= EV 5/3 OC SOL.-SOL. G1/4"
C5= EV 5/3 PC SOL.-SOL. G1/8"
C6= EV 5/3 PC SOL.-SOL. G1/4"
T1= VALVE SPACE PLUG
+ Nr. 2 ELECTRICAL SPACE PLUGS

NOTE:
When constructing the configuration, please consider that the maximum number of valves that can be mounted on the manifold is 16, regardless of the valve type. Any valve position presents two electrical connections: in case of use of monostable valves(A1-A2) it will be necessary to assemble a plug to protect the unused electrical connection.
The correspondence between the electrical signal and its location on the manifold is showed in the following diagrams.

2

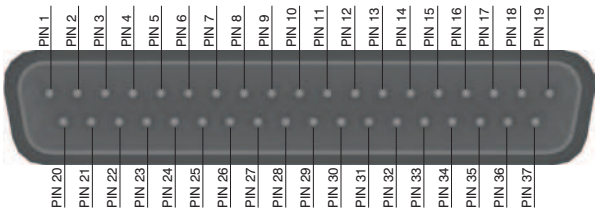


Connector 25 Poles from 1 to 11
Positions E.V. Bistable / Monostable



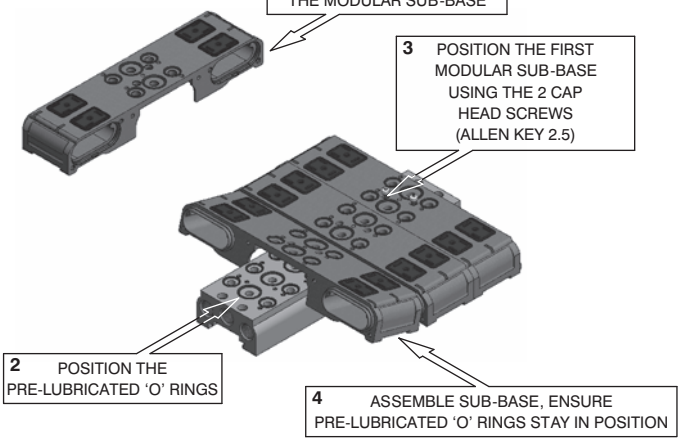
1 - 22 = SIGNALS
23 - 24 = GND
25 = NC

Connector 37 Poles from 1 to 16
Positions E.V. Bistable / Monostable



1 - 32 = SIGNALS
33 - 35 = GND
36 - 37 = NC

Assembly sequence

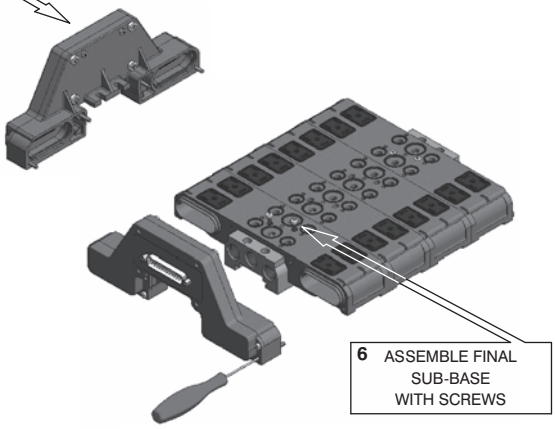


1 POSITION SEALS ON THE MODULAR SUB-BASE

3 POSITION THE FIRST MODULAR SUB-BASE USING THE 2 CAP HEAD SCREWS (ALLEN KEY 2.5)

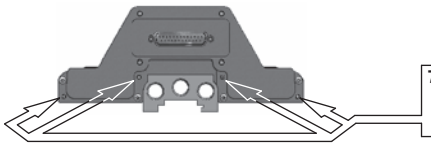
2 POSITION THE PRE-LUBRICATED 'O' RINGS

4 ASSEMBLE SUB-BASE, ENSURE PRE-LUBRICATED 'O' RINGS STAY IN POSITION

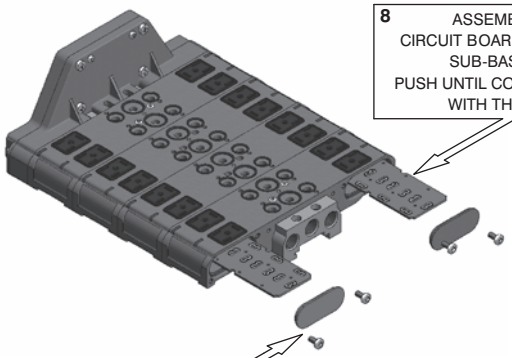


5 ASSEMBLE PRE-LUBRICATED 'O' RINGS TO END PLATE

6 ASSEMBLE FINAL SUB-BASE WITH SCREWS

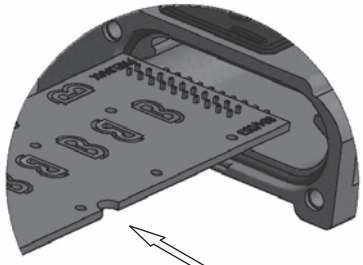


7 FIX END PLATE WITH 4 SCREWS, TORX TYPE T10 (MAX TORQUE 0.7 Nm)

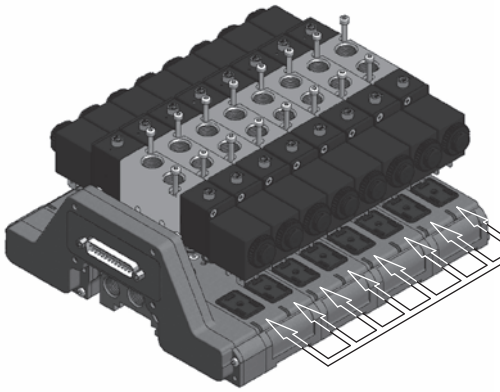


8 ASSEMBLE PRINTED CIRCUIT BOARD IN THE MODULAR SUB-BASE HOUSING, PUSH UNTIL CONNECTION IS MADE WITH THE END PLATE

10 CLOSE THE LAST SUB-BASE USING PLUGS AND SCREWS (TORX T20)



9 CHECK THE PRINTED CIRCUIT BOARD IS IN THE CORRECT POSITION BY LOOKING TO SEE IF IT'S ALIGNED WITH THE SUB BASE SLOTS OR BY INSERTING A COIL INTO POSITION



11 FIT THE SEALS IN POSITION AND SLACKEN THE COIL RETAINING CAP BEFORE TIGHTENING THE VALVE TO THE SUB BASE WITH THE CAP HEAD SCREWS (0.7 Nm). TIGHTEN THE COIL RETAINING CAP

12 IF USING THE BLANKING PLATES ON THE ELECTRICAL CONNECTOR TIGHTEN TO A MAX 0.35 Nm TORQUE