



**Series 2100 - 2400 - 2600**

**General**

The 2000 series solenoid valves have been developed to meet requirements for electronically controlled pneumatic systems and / or serial control systems already used in all manufacturing sectors. They have been designed to be easily assembled into groups or manifolds and include integral electrical connection (2100 and 2400), to facilitate simple and speedy integration into a control system. The series comprises a range of products classified according to type, size and performance. There are three main sizes, 10mm., 18 mm. and 26 mm., with each size further divided into 3 types "LINE", "FLAT" and "VDMA" or "BASE". The 10mm. and 18 mm. 24 VDC range of valves includes a range of accessories for the production of manifolded valve assemblies with integral electrical connections. Modules are available in two or four station variants for flexibility and are supplied to IP40 or alternatively IP65 environmental protection.

**Construction characteristics**

	Series 2100	Series 2400	Series 2600
Central body	Extruded aluminium bar with chemical nickel treatment and PTFE (polytetrafluorethylene)	Extruded aluminium bar with chemical nickel treatment and PTFE (polytetrafluorethylene)	Extruded aluminium bar with chemical nickel treatment and PTFE (polytetrafluorethylene)
Connection plates	Technopolymer	Zincalloy	Die-cast aluminium
Piston seals	Oil resistant nitrile rubber - NBR	Oil resistant nitrile rubber - NBR	Oil resistant nitrile rubber - NBR
Spool seals	Oil resistant nitrile rubber - HNBR	Oil resistant nitrile rubber - HNBR	Oil resistant nitrile rubber - HNBR
Springs	AISI 302 stainless steel	AISI 302 stainless steel	AISI 302 stainless steel
Operators	Technopolymer	Technopolymer	Technopolymer
Pistons	Aluminium 2011	Technopolymer	Technopolymer
Spools	Aluminium 2011	Aluminium 2011	Aluminium 2011

**Use and maintenance**

The average life of the valve exceeds 50.000.000 cycles when used under optimum conditions. Adequate lubrication reduces seals wear, just as proper filtering of supply air prevents the build-up of dirt that can cause malfunction. Ensure the valve is used within our recommended criteria for pressure and temperature. In dirty or dusty environments, the exhaust ports should be protected. A seal kit including the spool is available for overhauling the valve. This operation does not require a skilled worker, although a particular care should be taken when reassembling the valve.

1 AIR DISTRIBUTION



## Series 2100

### General

This solenoid valves series has been developed to meet requirements for electronically controlled pneumatic systems and / or serial control systems already used in all manufacturing sectors.  
They have been designed to be easily assembled into groups or manifolds and include integral electrical connection to facilitate simple and speedy integration into a control system.  
The 2100 series comprises a range of products classified according to the body size of 10mm divided into 3 types "LINE", "FLAT" and "BASE".  
The 10mm. and 18 mm. 24 VDC range of valves includes a range of accessories for the production of manifolded valve assemblies with integral electrical connections.  
Modules are available in two or four station variants for flexibility and are supplied to IP40 or alternatively IP65 environmental protection.

### Construction characteristics

Central body	Extruded aluminium bar with chemical nickel treatment and PTFE (polytetrafluorethylene)
Connection plates	Technopolymer
Operators	Technopolymer
Spool seals	Oil resistant nitrile rubber - HNBR
Spools	Aluminium 2011
Springs	AISI 302 stainless steel
Pistons	Aluminium 2011
Piston seals	Oil resistant nitrile rubber - NBR

### Ordering codes for miniature solenoid valves

The 10 mm. miniature solenoid valve with 0,7 mm. orifice has been selected for piloting this series of valves (see Series 300).  
This results in low response times and reduced power consumption.  
The valve can be supplied with the coil upward or downward depending on the application.

Codes are as follows:

#### Coil upward code

01 = miniature sol. 12 VDC 90°conn. with led  
21 = miniature sol. 12 VDC line conn. with led  
02 = miniature sol. 24 VDC 90°conn. with led  
22 = miniature sol. 24 VDC line conn. with led

#### Coil downward code

11 = miniature sol. 12 VDC 90° conn. with led  
31 = miniature sol. 12 VDC line conn. with led  
12 = miniature sol. 24 VDC 90°conn. with led  
32 = miniature sol. 24 VDC line conn. with led  
91 = miniature sol. 12 VDC for integral electrical connections  
92 = miniature sol. 24 VDC for integral electrical connections

Miniature solenoid  homologated are available (see Series 300).

### Use and maintenance

The average life of the solenoid valve exceeds 50.000.000 cycles when used under optimum conditions.  
Adequate lubrication reduces seals wear, just as proper filtering of supply air prevents the build-up of dirt that can cause malfunction.  
Ensure the valve is used within our recommended criteria for pressure and temperature.  
In dirty or dusty environments, the exhaust ports should be protected.  
A seal kit including the spool is available for overhauling the valve. This operation does not require a skilled worker, although a particular care should be taken when reassembling the valve.



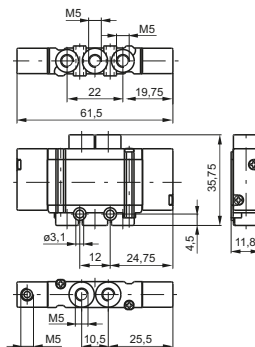
AIR DISTRIBUTION

**Pneumatic - Spring**

Coding: 2115.52.00.19

**Operational characteristics**

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5



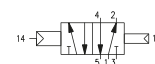
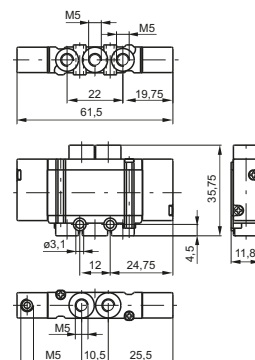
Weight 30 g  
Minimum piloting pressure 2 bar

**Pneumatic - Differential**

Coding: 2115.52.00.16

**Operational characteristics**

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5



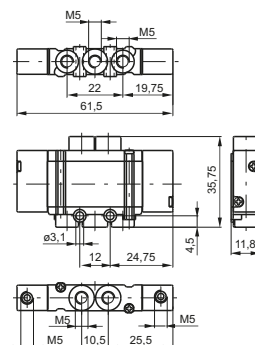
Weight 28 g  
Minimum piloting pressure 2 bar

**Pneumatic - Pneumatic**

Coding: 2115.52.00.18

**Operational characteristics**

Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5



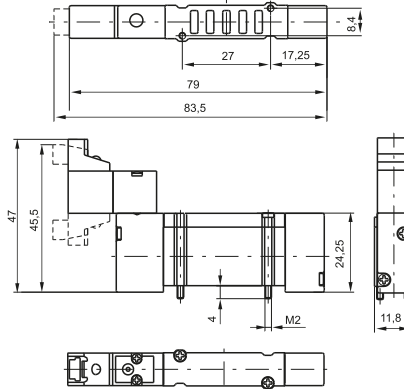
Weight 30 g  
Minimum piloting pressure 2 bar

**Solenoid - Spring**

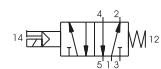
Coding: 2115.52.00.39. **T**

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5

VOLTAGE	
<b>01</b>	= 12 VDC 90° conn. with led
<b>21</b>	= 12 VDC line conn. with led
<b>02</b>	= 24 VDC 90° conn. with led
<b>22</b>	= 24 VDC line conn. with led
<b>11</b>	= 12 VDC 90° conn. with led downward
<b>31</b>	= 12 VDC line conn. with led downward
<b>12</b>	= 24 VDC 90° conn. with led downward
<b>32</b>	= 24 VDC line conn. with led downward



Weight 42 g  
Minimum piloting pressure 2 bar

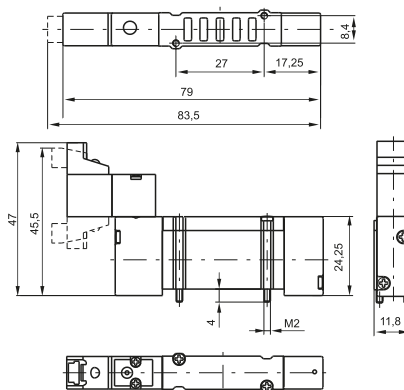


**Solenoid - Differential**

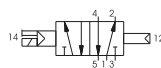
Coding: 2115.52.00.36. **T**

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5

VOLTAGE	
<b>01</b>	= 12 VDC 90° conn. with led
<b>21</b>	= 12 VDC line conn. with led
<b>02</b>	= 24 VDC 90° conn. with led
<b>22</b>	= 24 VDC line conn. with led
<b>11</b>	= 12 VDC 90° conn. with led downward
<b>31</b>	= 12 VDC line conn. with led downward
<b>12</b>	= 24 VDC 90° conn. with led downward
<b>32</b>	= 24 VDC line conn. with led downward



Weight 42 g  
Minimum piloting pressure 2 bar

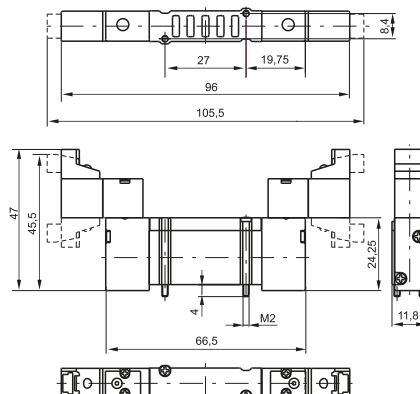


**Solenoid - Solenoid**

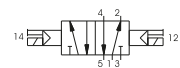
Coding: 2115.52.00.35. **T**

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5

VOLTAGE	
<b>01</b>	= 12 VDC 90° conn. with led
<b>21</b>	= 12 VDC line conn. with led
<b>02</b>	= 24 VDC 90° conn. with led
<b>22</b>	= 24 VDC line conn. with led
<b>11</b>	= 12 VDC 90° conn. with led downward
<b>31</b>	= 12 VDC line conn. with led downward
<b>12</b>	= 24 VDC 90° conn. with led downward
<b>32</b>	= 24 VDC line conn. with led downward



Weight 52 g  
Minimum piloting pressure 2 bar





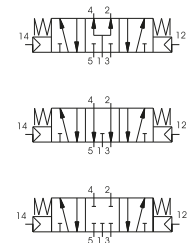
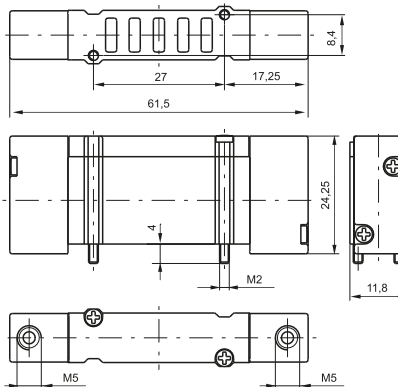
# Spool valves and solenoid valves Series 2100 - Size10mm LINE

## Pneumatic - Pneumatic

Coding: 2115.53. **F**.18

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	180 (Pressured centres) 130 (Closed centres) 140 (Open centres)
Orifice size (mm)	2.5
Working ports size	M5

FUNCTION	
<b>F</b>	31 = Closed centres
	32 = Open centres
	33 = Pressured centres



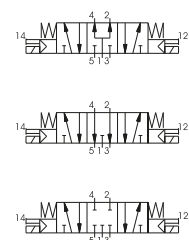
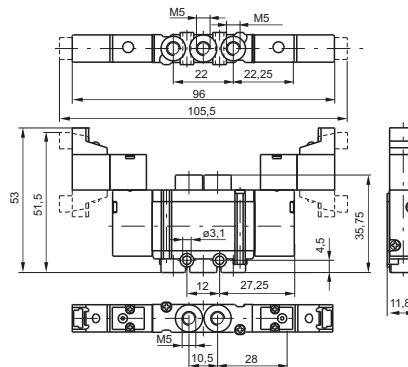
Weight 32 g  
Minimum piloting pressure 2,5 bar

## Solenoid - Solenoid

Coding: 2115.53. **F**.35. **T**

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	180 (Pressured centres) 130 (Closed centres) 140 (Open centres)
Orifice size (mm)	2.5
Working ports size	M5

FUNCTION	
<b>F</b>	31 = Closed centres
	32 = Open centres
	33 = Pressured centres
VOLTAGE	
<b>01</b>	12 VDC 90° conn. with led
<b>21</b>	12 VDC line conn. with led
<b>02</b>	24 VDC 90° conn. with led
<b>22</b>	24 VDC line conn. with led
<b>11</b>	12 VDC 90° conn. with led downward
<b>T</b>	31 = 12 VDC line conn. with led downward
	12 = 24 VDC 90° conn. with led downward
	32 = 24 VDC line conn. with led downward



Weight 54 g  
Minimum piloting pressure 2,5 bar

AIR DISTRIBUTION

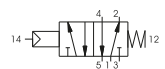
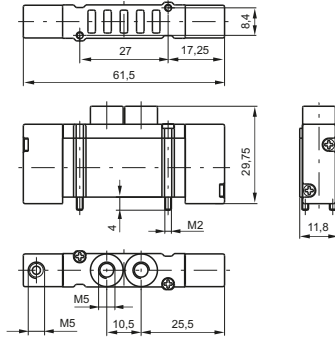
**Pneumatic - Spring**

Coding: 2135.52.00.19

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 32 g  
Minimum piloting pressure 2 bar



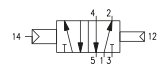
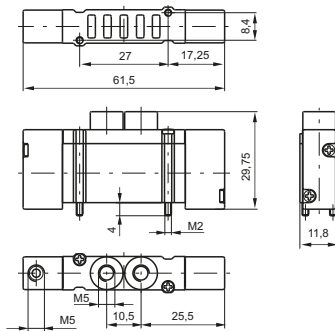
**Pneumatic - Differential**

Coding: 2135.52.00.16

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 30 g  
Minimum piloting pressure 2 bar



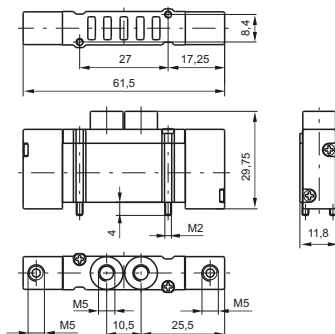
**Pneumatic - Pneumatic**

Coding: 2135.52.00.18

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 32 g  
Minimum piloting pressure 2 bar



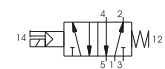
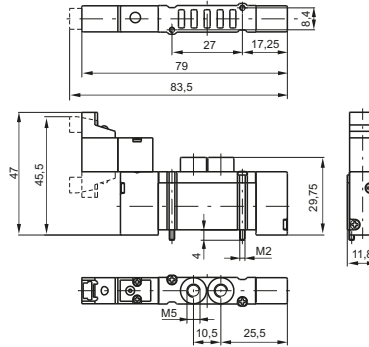


**Solenoid - Spring**

Coding: 2135.52.00.39.①

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5

VOLTAGE
01 = 12VDC 90° conn. with led
21 = 12VDC line conn. with led
02 = 24VDC 90° conn. with led
22 = 24VDC line conn. with led
11 = 12VDC 90° conn. with led downward
31 = 12VDC line conn. with led downward
12 = 24VDC 90° conn. with led downward
32 = 24VDC line conn. with led downward
91 = 12VDC for integral electrical connections downward
92 = 24VDC for integral electrical connections downward



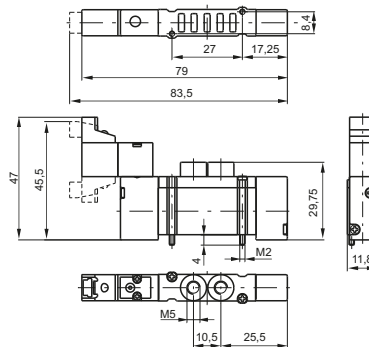
Weight 38 g  
Minimum piloting pressure 2 bar

**Solenoid - Differential**

Coding: 2135.52.00.36.①

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5

VOLTAGE
01 = 12VDC 90° conn. with led
21 = 12VDC line conn. with led
02 = 24VDC 90° conn. with led
22 = 24VDC line conn. with led
11 = 12VDC 90° conn. with led downward
31 = 12VDC line conn. with led downward
12 = 24VDC 90° conn. with led downward
32 = 24VDC line conn. with led downward
91 = 12VDC for integral electrical connections downward
92 = 24VDC for integral electrical connections downward



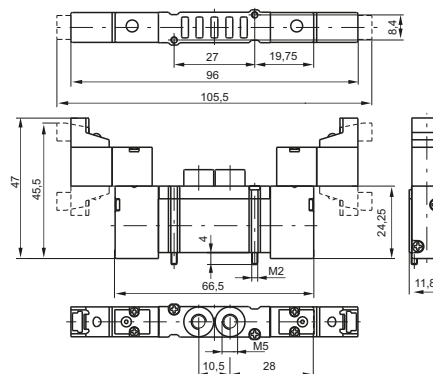
Weight 38 g  
Minimum piloting pressure 2 bar

**Solenoid - Solenoid**

Coding: 2135.52.00.35.①

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5

VOLTAGE
01 = 12VDC 90° conn. with led
21 = 12VDC line conn. with led
02 = 24VDC 90° conn. with led
22 = 24VDC line conn. with led
11 = 12VDC 90° conn. with led downward
31 = 12VDC line conn. with led downward
12 = 24VDC 90° conn. with led downward
32 = 24VDC line conn. with led downward
91 = 12VDC for integral electrical connections downward
92 = 24VDC for integral electrical connections downward



Weight 50 g  
Minimum piloting pressure 1,5 bar

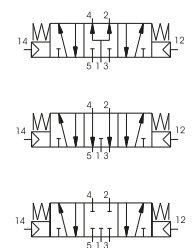
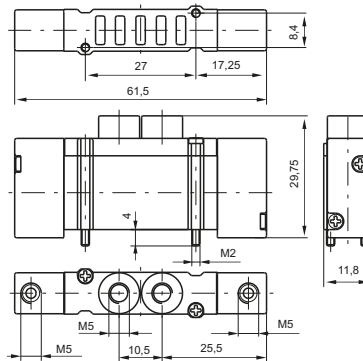
AIR DISTRIBUTION 1

**Pneumatic - Pneumatic**

Coding: 2135.53.F.18

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	180 (Pressured centres) 130 (Closed centres) 140 (Open centres)
Orifice size (mm)	2.5
Working ports size	M5

FUNCTION	
F	31 = Closed centres
	32 = Open centres
	33 = Pressured centres



Weight 28 g  
Minimum piloting pressure 2 bar

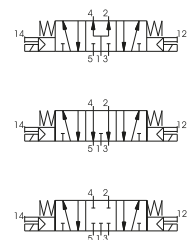
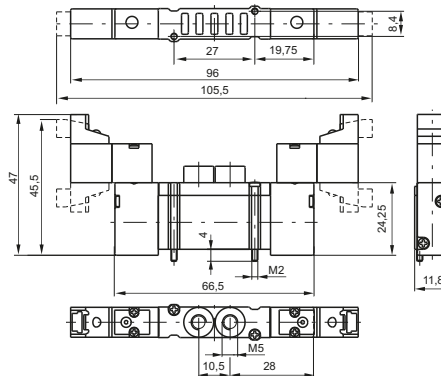
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AIR DISTRIBUTION

**Solenoid - Solenoid**

Coding: 2135.53.F.35.T

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	180 (Pressured centres) 130 (Closed centres) 140 (Open centres)
Orifice size (mm)	2.5
Working ports size	M5

FUNCTION	
F	31 = Closed centres
	32 = Open centres
	33 = Pressured centres
VOLTAGE	
01	= 12 VDC 90° conn. with led
21	= 12 VDC line conn. with led
02	= 24 VDC 90° conn. with led
22	= 24 VDC line conn. with led
11	= 12 VDC 90° conn. with led downward
31	= 12 VDC line conn. with led downward
T	12 = 24 VDC 90° conn. with led downward
	32 = 24 VDC line conn. with led downward
	91 = 12 VDC for integral electrical connections downward
	92 = 24 VDC for integral electrical connections downward



Weight 52 g  
Minimum piloting pressure 2.5 bar



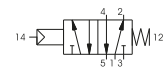
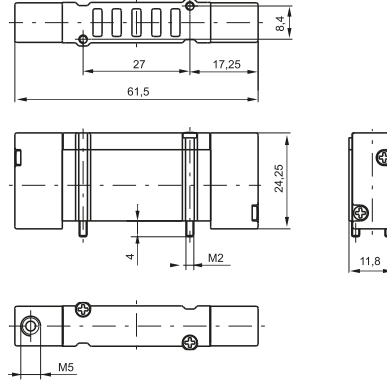


AIR DISTRIBUTION

**Pneumatic - Spring**

Coding: 2141.52.00.19

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5

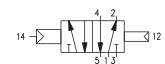
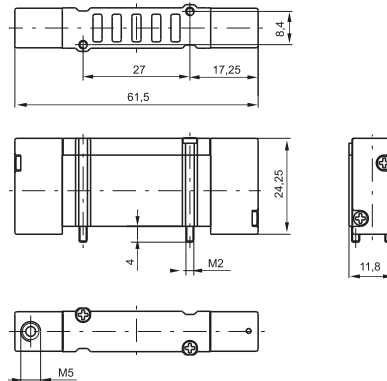


Weight 24 g  
Minimum piloting pressure 2 bar

**Pneumatic - Differential**

Coding: 2141.52.00.16

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5

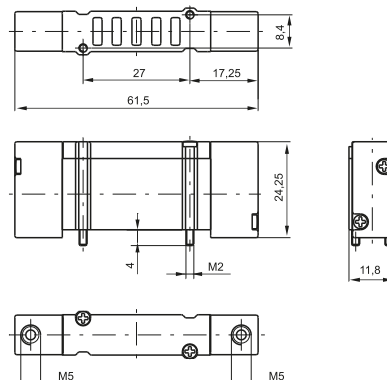


Weight 22 g  
Minimum piloting pressure 2 bar

**Pneumatic - Pneumatic**

Coding: 2141.52.00.18

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with $\Delta p=1$ (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 26 g  
Minimum piloting pressure 1,5 bar

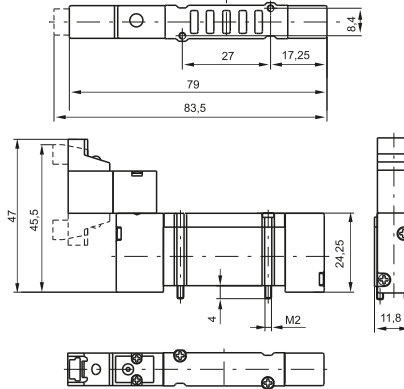
**Solenoid - Spring**

Coding: 2141.52.00.39. **T**

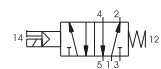
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 38 g  
Minimum piloting pressure 2 bar



VOLTAGE
01 = 12 VDC 90° conn. with led
21 = 12 VDC line conn. with led
02 = 24 VDC 90° conn. with led
22 = 24 VDC line conn. with led
11 = 12 VDC 90° conn. with led downward
31 = 12 VDC line conn. with led downward
12 = 24 VDC 90° conn. with led downward
32 = 24 VDC line conn. with led downward
91 = 12 VDC for integral electrical connections downward
92 = 24 VDC for integral electrical connections downward



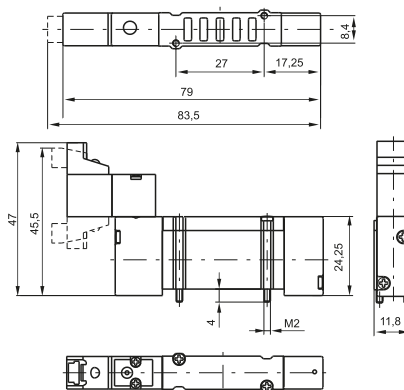
**Solenoid - Differential**

Coding: 2141.52.00.36. **T**

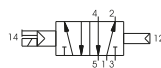
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 38 g  
Minimum piloting pressure 2 bar



VOLTAGE
01 = 12 VDC 90° conn. with led
21 = 12 VDC line conn. with led
02 = 24 VDC 90° conn. with led
22 = 24 VDC line conn. with led
11 = 12 VDC 90° conn. with led downward
31 = 12 VDC line conn. with led downward
12 = 24 VDC 90° conn. with led downward
32 = 24 VDC line conn. with led downward
91 = 12 VDC for integral electrical connections downward
92 = 24 VDC for integral electrical connections downward



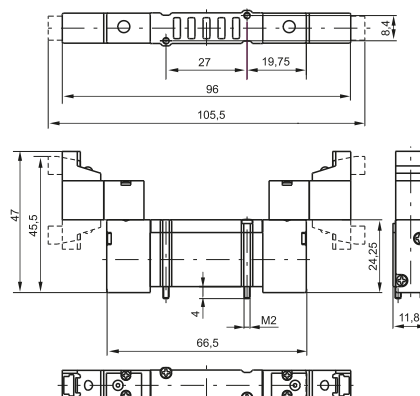
**Solenoid - Solenoid**

Coding: 2141.52.00.35. **T**

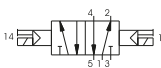
Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 48 g  
Minimum piloting pressure 1,5 bar



VOLTAGE
01 = 12 VDC 90° conn. with led
21 = 12 VDC line conn. with led
02 = 24 VDC 90° conn. with led
22 = 24 VDC line conn. with led
11 = 12 VDC 90° conn. with led downward
31 = 12 VDC line conn. with led downward
12 = 24 VDC 90° conn. with led downward
32 = 24 VDC line conn. with led downward
91 = 12 VDC for integral electrical connections downward
92 = 24 VDC for integral electrical connections downward





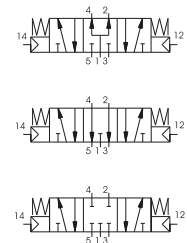
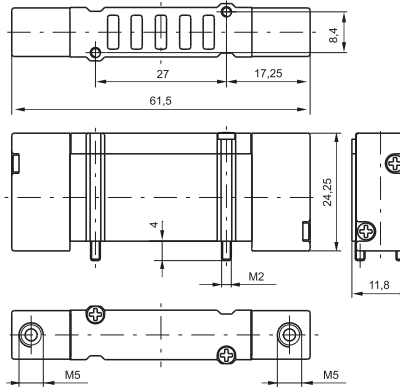
# Spool valves and solenoid valves Series 2100 - Size 10mm BASE

## Pneumatic - Pneumatic

Coding: 2141.53.F.18

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	180 (Pressured centres) 130 (Closed centres) 140 (Open centres)
Orifice size (mm)	2.5
Working ports size	M5

FUNCTION	
F	31 = Closed centres
	32 = Open centres
	33 = Pressured centres



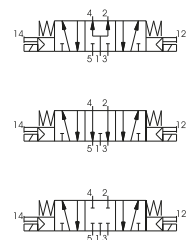
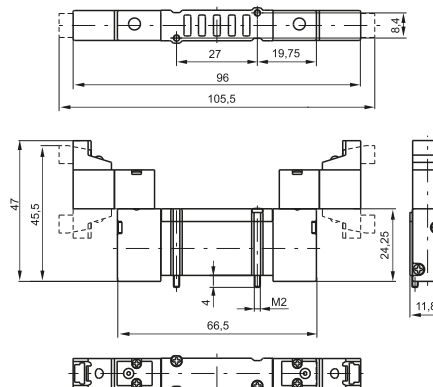
Weight 28 g  
Minimum working pressure 2 bar

## Solenoid - Solenoid

Coding: 2141.53.F.35.T

Operational characteristics	
Fluid	Filtered air. No lubrication needed, if applied it shall be continuous
Max working pressure (bar)	7
Temperature °C	-5 ÷ +50
Flow rate at 6 bar with Δp=1 (NI/min)	180 (Pressured centres) 130 (Closed centres) 140 (Open centres)
Orifice size (mm)	2.5
Working ports size	M5

FUNCTION	
F	31 = Closed centres
	32 = Open centres
	33 = Pressured centres
VOLTAGE	
	01 = 12 VDC 90° conn. with led
	21 = 12 VDC line conn. with led
	02 = 24 VDC 90° conn. with led
	22 = 24 VDC line conn. with led
	11 = 12 VDC 90° conn. with led downward
	31 = 12 VDC line conn. with led downward
T	12 = 24 VDC 90° conn. with led downward
	32 = 24 VDC line conn. with led downward
	91 = 12 VDC for integral electrical connections downward
	92 = 24 VDC for integral electrical connections downward



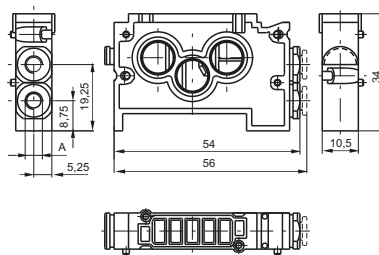
Weight 52 g  
Minimum piloting pressure 2,5 bar

AIR DISTRIBUTION

► Modular base for "BASE" version



Weight 22 g



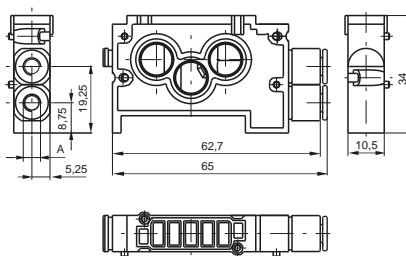
Coding: 214<sup>✓</sup>.01

VARIANTS	
0	= modular BASE without cartridges
4	= modular base c/w with 4mm tube cartridges
<sup>✓</sup> 5	= modular base c/w with M5 cartridges
7	= modular base c/w with M7x1 cartridges

► Modular BASE c/w with 6mm tube cartridges



Weight 22 g

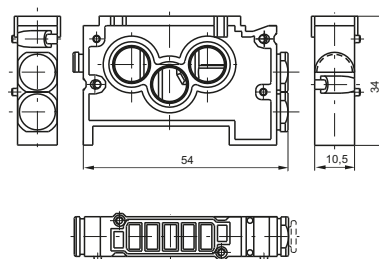


Coding: 2146.01

► Modular base for "FLAT" version



Weight 28 g



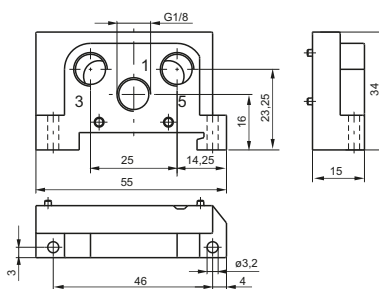
Coding: 2130.01

► Inlet base



Weight 18 g

2140.02



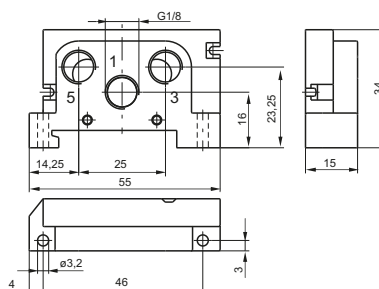
Coding: 2140.<sup>✓</sup>

VARIANTS	
<sup>✓</sup> 02	= Right
03	= Left



Weight 18 g

2140.03

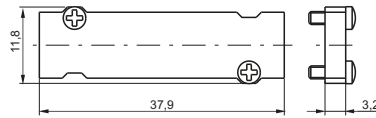


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AIR DISTRIBUTION

► Closing plate

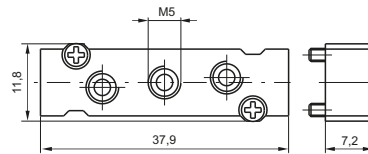
Coding: 2130.00



Weight 7 g

► Intermediate air intake

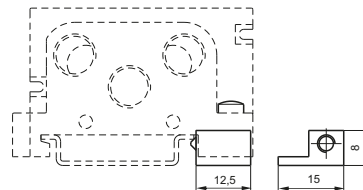
Coding: 2130.10



Weight 12 g  
to be assembled instead of a valve

► DIN rail adapter

Coding: 2130.16



Weight 6 g

► Modular base cartridge

Coding: 2100.▼



VARIANTS	
031M	= Ø4 tube cartridge
033M	= M5 cartridges
034M	= M7x1 cartridges
035M	= Blank base
036M	= Ø4 tube cartridge

Weight 5 g

► Diaphragm plug

Coding: 2130.17

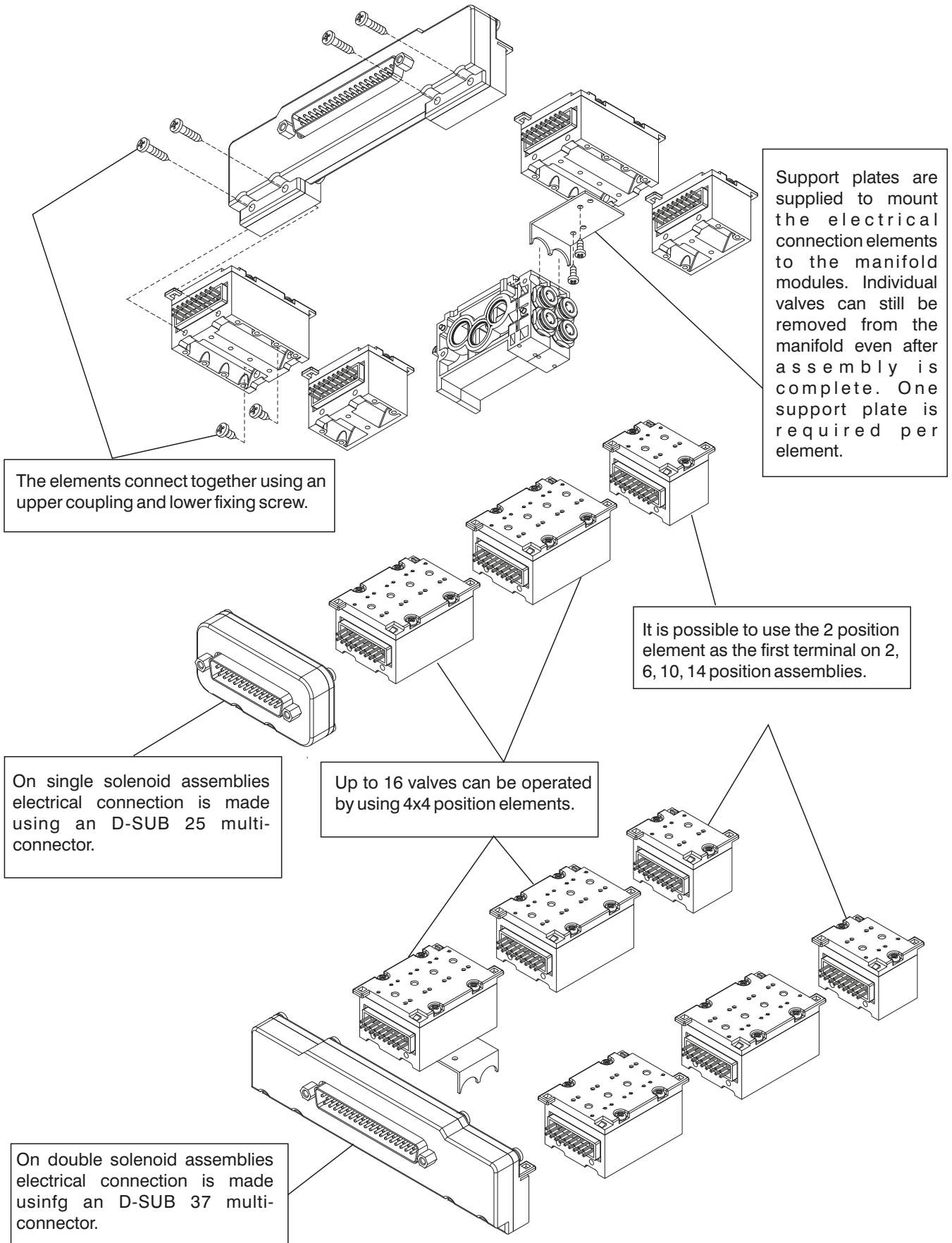


Weight 6 g



The integral electrical design for the series 2400 valve is extremely flexible, allowing the production of pre-wired solenoid valve manifolds, the configuration of which can be determined at the point of assembly. The 24 VDC, 12 VDC (equivalent PNP) modules are available with 2 or 4 positions. The system assembled is designed for an IP40 - IP65 protection.

Coil type 91 or 92 is required for the multipin electrical connection (see valve ordering codes).



The elements connect together using an upper coupling and lower fixing screw.

Support plates are supplied to mount the electrical connection elements to the manifold modules. Individual valves can still be removed from the manifold even after assembly is complete. One support plate is required per element.

It is possible to use the 2 position element as the first terminal on 2, 6, 10, 14 position assemblies.

On single solenoid assemblies electrical connection is made using an D-SUB 25 multi-connector.

Up to 16 valves can be operated by using 4x4 position elements.

On double solenoid assemblies electrical connection is made using an D-SUB 37 multi-connector.

▶ **Module for connections**

Coding: 2100.**P.T**



Weight 35 g

2100.02.**T**



Weight 20 g

2100.04.**T**

	POSITIONS
<b>P</b>	<b>04</b> = 4 positions
	<b>02</b> = 2 positions
	TYPE
	<b>00</b> = Left IP40-PNP
	<b>02</b> = Left IP40-PNP with protection diode
	<b>10</b> = Left IP65-PNP
<b>T</b>	<b>12</b> = Left IP65-PNP with protection diode
	<b>01</b> = Right IP40-PNP
	<b>03</b> = Right IP40-PNP with protection diode
	<b>11</b> = Right IP65-PNP
	<b>13</b> = Right IP65-PNP with protection diode

▶ **Front connector**

Coding: 2100.**P.10**



Weight 120 g

The IP65 protection is obtained by IP65 Pneumax cable

2100.37.10



Weight 40 g

The IP65 protection is obtained by IP65 Pneumax cable

2100.25.10

	POLES
<b>P</b>	<b>37</b> = 37 poles
	<b>25</b> = 25 poles

▶ **Plug**

Coding: 2100.00



Weight 4 g

▶ **FLAT support plate**

Coding: 2130.50



Weight 5 g



**In line cable complete with connector IP40**



Coding: 2400.**T**.**L**.00

	CONNECTORS
<b>T</b>	25 = 25 poles 37 = 37 poles
	CABLE LENGTH
<b>L</b>	03 = 3 meters 05 = 5 meters 10 = 10 meters

**Cable complete with connector, 25 Poles IP65**



Coding: 2300.25.**L**.**C**

	CABLE LENGTH
<b>L</b>	03 = 3 meters 05 = 5 meters 10 = 10 meters
	CONNECTOR
<b>C</b>	10 = In line 90 = 90° Angle

**Cable complete with connector, 37 Poles IP65**



Coding: 2400.37.**L**.**C**

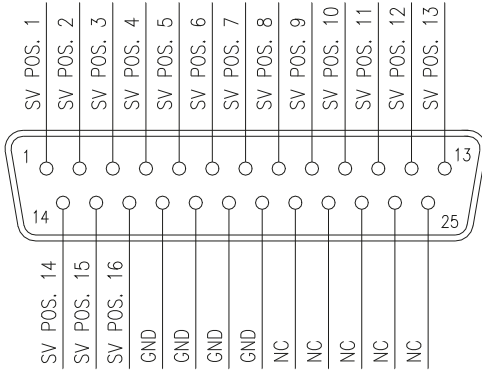
	CABLE LENGTH
<b>L</b>	03 = 3 meters 05 = 5 meters 10 = 10 meters
	CONNECTOR
<b>C</b>	10 = In line 90 = 90° Angle

1

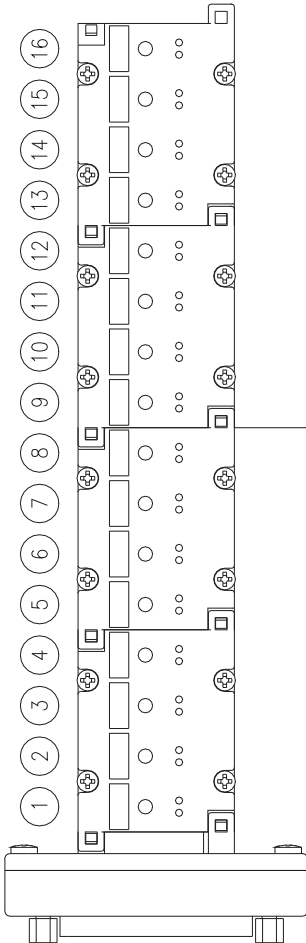
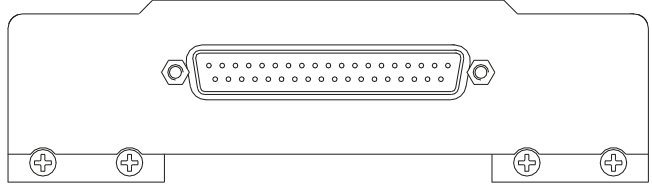
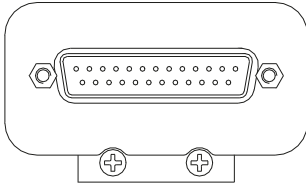
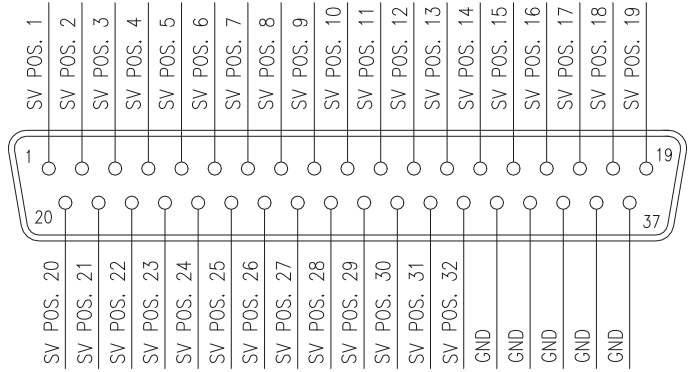
AIR DISTRIBUTION



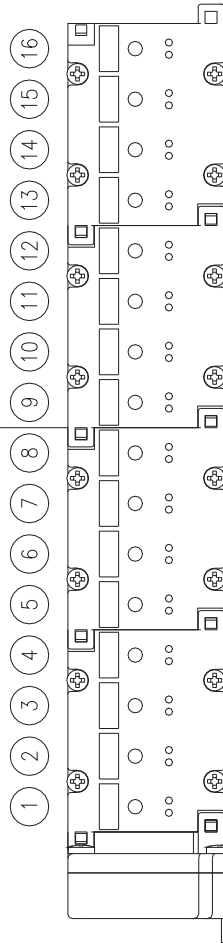
**SUB-D 25 CONTACTS  
CONNECTOR**



**SUB-D 37 CONTACTS  
CONNECTOR**



Left modules



Right modules

