



## Series 2100

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 10 mm 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 (polytetrafluoroethylene)
Connection plates	Technopolymer
Spool seals	Oil resistant nitrile rubber-HNBR
Springs	AISI 302 stainless steel
Operators	Technopolymer
Pistons	Aluminium 2011
Spools	Aluminium 2011

### 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 valves 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.

Seals kits are available for repairs.

Repairs must be made exclusively by specialized personnel.

► Pneumatic - Spring

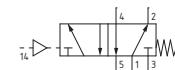
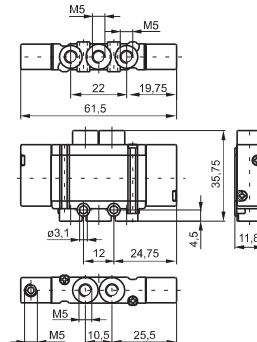
Coding: 2115.52.00.19

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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 30 g  
Minimum pilot pressure 2 bar



► Pneumatic-Differential

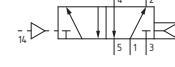
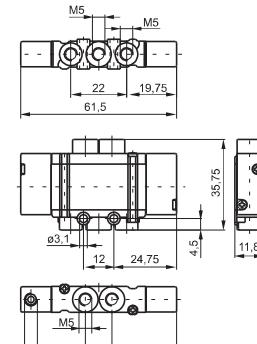
Coding: 2115.52.00.16

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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 28 g  
Minimum pilot pressure 2 bar



► Pneumatic - Pneumatic

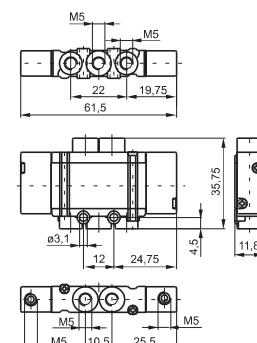
Coding: 2115.52.00.18

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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 30 g  
Minimum pilot pressure 2 bar





## Spool type valves and solenoid valves

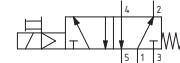
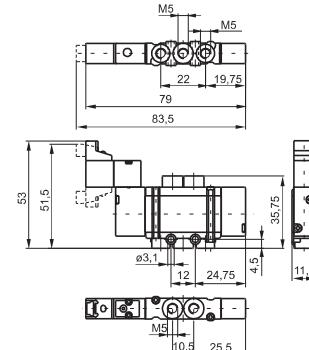
### Series 2100 - Size 10mm LINE

#### Solenoid - Spring

Coding: 2115.52.00.39.1

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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5

VOLTAGE
01 = + 12 V DC 90° conn. with LED
21 = + 12 V DC line conn. with LED
02 = + 24 V DC 90° conn. with LED
22 = + 24 V DC line conn. with LED
11 = + 12 V DC 90° conn. with LED downward
31 = + 12 V DC line conn. with LED downward
12 = + 24 V DC 90° conn. with LED downward
32 = + 24 V DC line conn. with LED downward



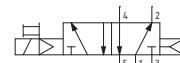
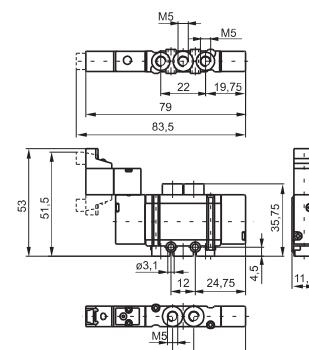
Weight 42 g  
Minimum pilot pressure 2 bar

#### Solenoid - Differential

Coding: 2115.52.00.36.1

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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5

VOLTAGE
01 = + 12 V DC 90° conn. with LED
21 = + 12 V DC line conn. with LED
02 = + 24 V DC 90° conn. with LED
22 = + 24 V DC line conn. with LED
11 = + 12 V DC 90° conn. with LED downward
31 = + 12 V DC line conn. with LED downward
12 = + 24 V DC 90° conn. with LED downward
32 = + 24 V DC line conn. with LED downward



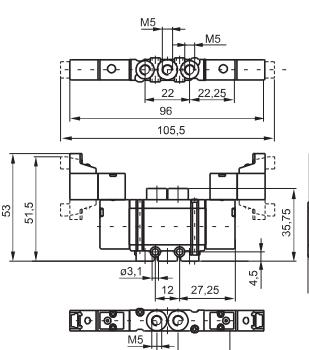
Weight 42 g  
Minimum pilot pressure 2 bar

#### Solenoid - Solenoid

Coding: 2115.52.00.35.1

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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5

VOLTAGE
01 = + 12 V DC 90° conn. with LED
21 = + 12 V DC line conn. with LED
02 = + 24 V DC 90° conn. with LED
22 = + 24 V DC line conn. with LED
11 = + 12 V DC 90° conn. with LED downward
31 = + 12 V DC line conn. with LED downward
12 = + 24 V DC 90° conn. with LED downward
32 = + 24 V DC line conn. with LED downward



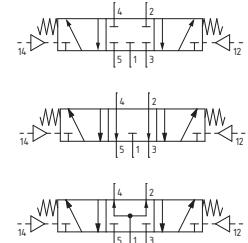
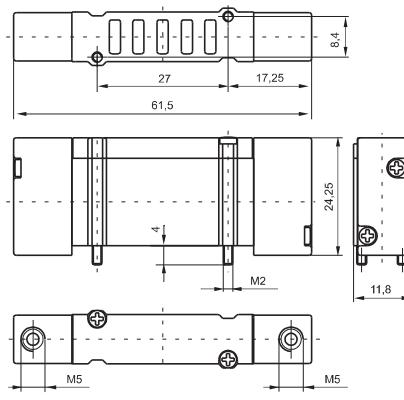
Weight 52 g  
Minimum pilot pressure 2 bar

► Pneumatic - Pneumatic 5/3

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 $\Delta p=1$ (NL/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



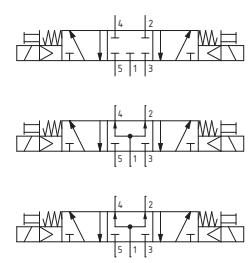
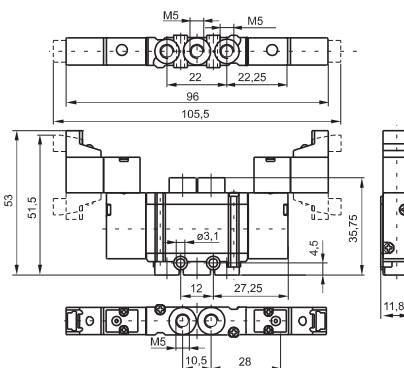
Weight 32 g  
Minimum pilot pressure 2.5 bar

► Solenoid - Solenoid 5/3

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 $\Delta p=1$ (NL/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
<b>T</b>	VOLTAGE
	01 = + 12 V DC 90° conn. with LED
	21 = + 12 V DC line conn. with LED
	02 = + 24 V DC 90° conn. with LED
	22 = + 24 V DC line conn. with LED
	11 = + 12 V DC 90° conn. with LED downward
	31 = + 12 V DC line conn. with LED downward
	12 = + 24 V DC 90° conn. with LED downward
	32 = + 24 V DC line conn. with LED downward



Weight 54 g  
Minimum pilot pressure 2.5 bar



## Spool type valves and solenoid valves

### Series 2100 - Size 10mm FLAT

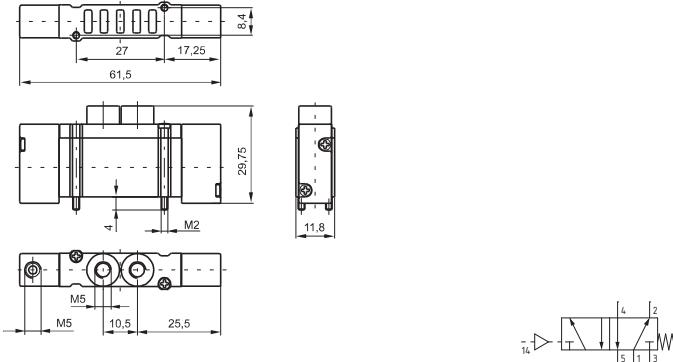
#### Pneumatic - Spring

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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 32 g  
Minimum pilot pressure 2 bar



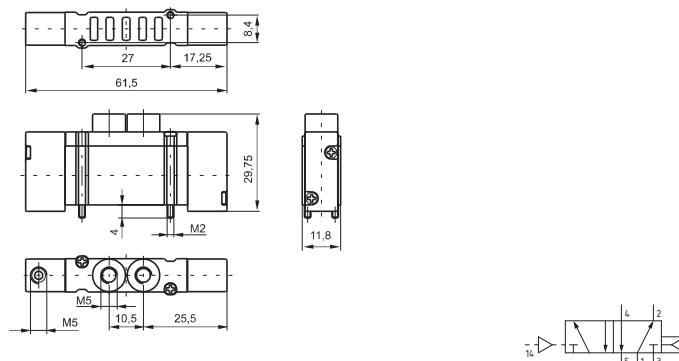
#### Pneumatic-Differential

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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 30 g  
Minimum pilot pressure 2 bar



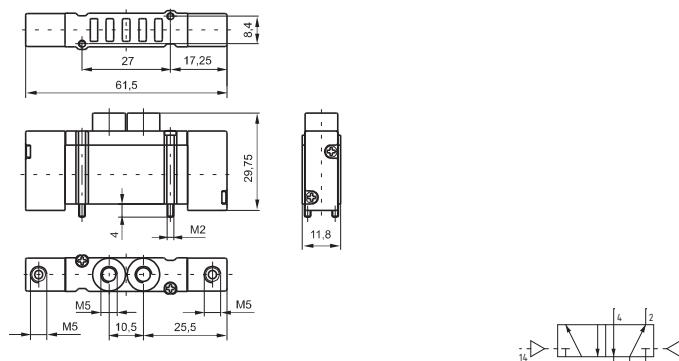
#### Pneumatic - Pneumatic

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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 32 g  
Minimum pilot pressure 2 bar

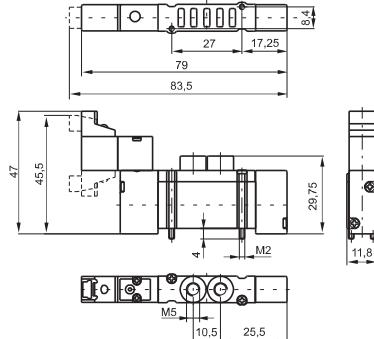


## Solenoid - Spring

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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5



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

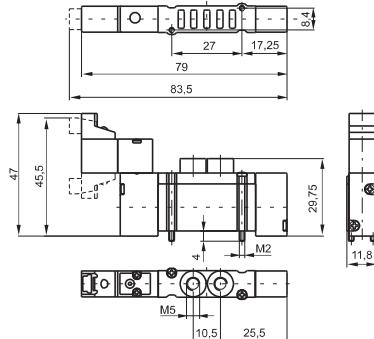
Weight 38 g  
Minimum pilot pressure 2 bar

## 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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5



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

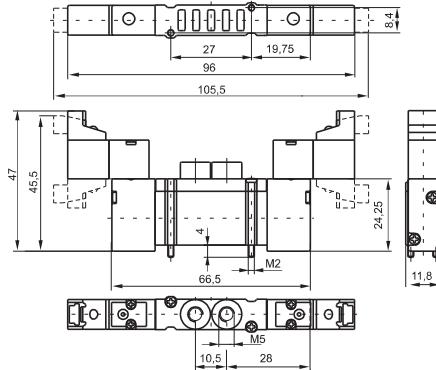
Weight 38 g  
Minimum pilot pressure 2 bar

## 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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5



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

Weight 50 g  
Minimum pilot pressure 1,5 bar



## Spool type valves and solenoid valves

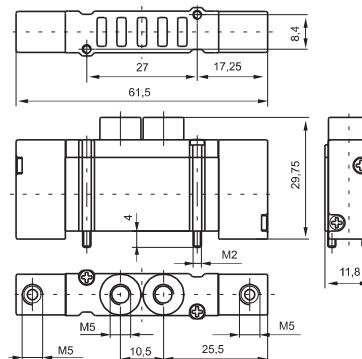
### Series 2100 - Size 10mm FLAT

#### Pneumatic - Pneumatic 5/3

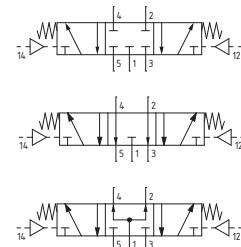
Coding: 2135.53.❶.18

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 $\Delta p=1$ (NL/min)	180 (Pressured centres) 130 (Closed centres) 140 (Open centres)
Orifice size (mm)	2.5
Working ports size	M5

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



Weight 28 g  
Minimum pilot pressure 2 bar

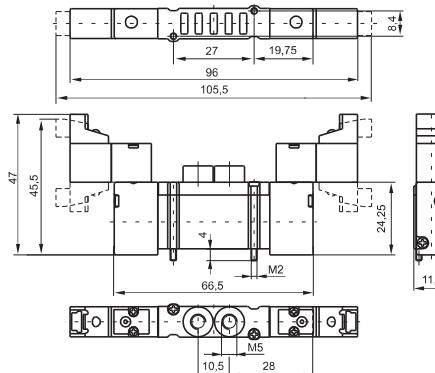


#### Solenoid - Solenoid 5/3

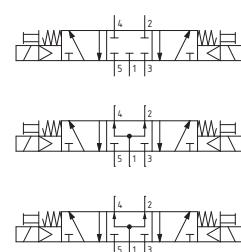
Coding: 2135.53.❶.35.❶

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 $\Delta p=1$ (NL/min)	180 (Pressured centres) 130 (Closed centres) 140 (Open centres)
Orifice size (mm)	2.5
Working ports size	M5

FUNCTION	
❶	31 = Closed centres
32	32 = Open centres
33	33 = Pressured centres
VOLTAGE	
01	= + 12 V DC 90° conn. with LED
21	= + 12 V DC line conn. with LED
02	= + 24 V DC 90° conn. with LED
22	= + 24 V DC line conn. with LED
11	= + 12 V DC 90° conn. with LED downward
31	= + 12 V DC line conn. with LED downward
12	= + 24 V DC 90° conn. with LED downward
32	= + 24 V DC line conn. with LED downward
91	= + 12 V DC for integral electrical connections downward
92	= + 24 V DC for integral electrical connections downward



Weight 52 g  
Minimum pilot pressure 2,5 bar

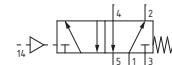
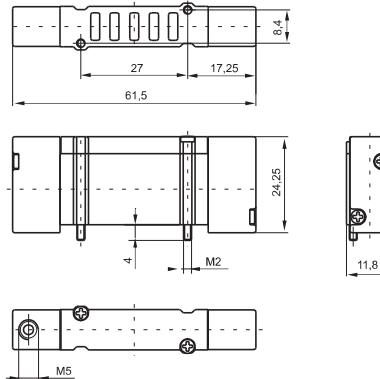


## Pneumatic - Spring

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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5



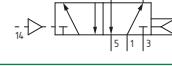
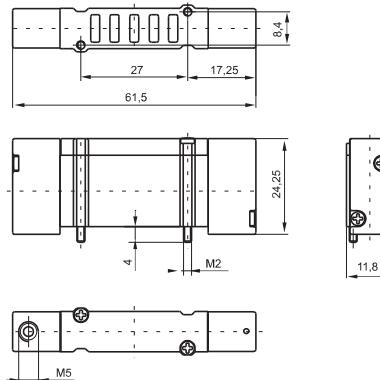
Weight 24 g  
Minimum pilot pressure 2 bar

## 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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5



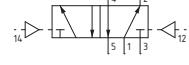
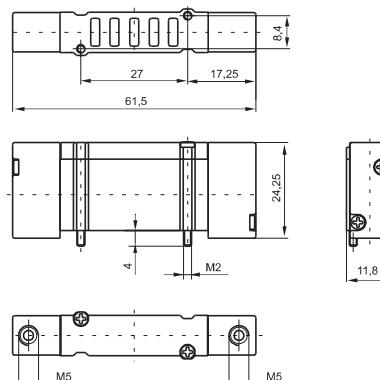
Weight 22 g  
Minimum pilot pressure 2 bar

## 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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 26 g  
Minimum pilot pressure 1.5 bar



## Spool type valves and solenoid valves

### Series 2100 - Size 10mm BASE

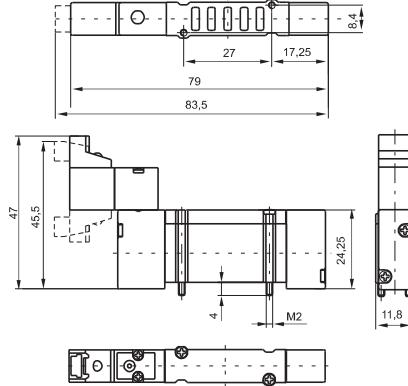
#### Solenoid - Spring

Coding: 2141.52.00.39.1

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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 38 g  
Minimum pilot pressure 2 bar



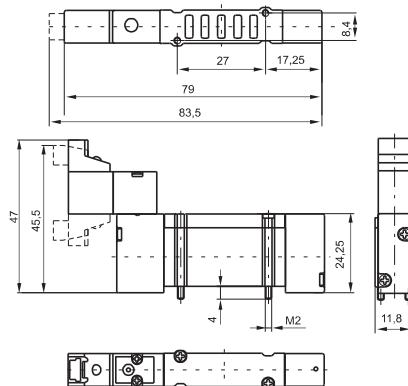
VOLTAGE
01 = + 12 V DC 90° conn. with LED
21 = + 12 V DC line conn. with LED
02 = + 24 V DC 90° conn. with LED
22 = + 24 V DC line conn. with LED
11 = + 12 V DC 90° conn. with LED downward
31 = + 12 V DC line conn. with LED downward
12 = + 24 V DC 90° conn. with LED downward
32 = + 24 V DC line conn.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

Coding: 2141.52.00.36.1

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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 38 g  
Minimum pilot pressure 2 bar



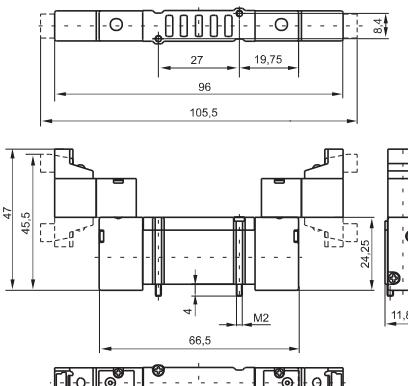
VOLTAGE
01 = + 12 V DC 90° conn. with LED
21 = + 12 V DC line conn. with LED
02 = + 24 V DC 90° conn. with LED
22 = + 24 V DC line conn. with LED
11 = + 12 V DC 90° conn. with LED downward
31 = + 12 V DC line conn. with LED downward
12 = + 24 V DC 90° conn. with LED downward
32 = + 24 V DC line conn.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

Coding: 2141.52.00.35.1

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 $\Delta p=1$ (NL/min)	150
Orifice size (mm)	2.5
Working ports size	M5



Weight 48 g  
Minimum pilot pressure 1,5 bar



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

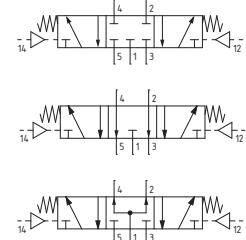
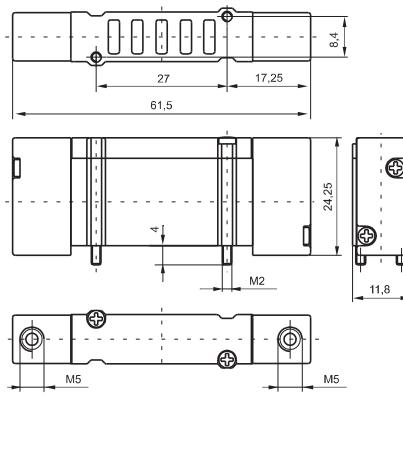
Coding: 2141.52.00.36.1

► Pneumatic - Pneumatic 5/3

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 $\Delta p=1$ (NL/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



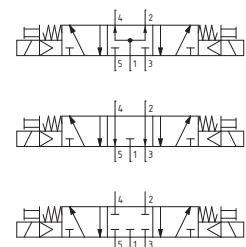
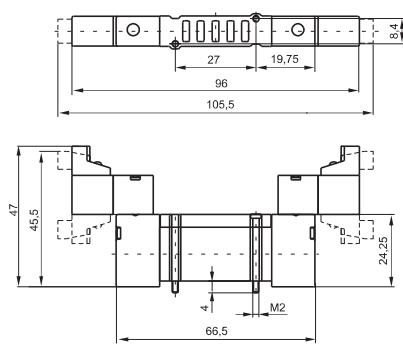
Weight 28 g  
Minimum pilot pressure 2,5 bar

► Solenoid - Solenoid 5/3

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 $\Delta p=1$ (NL/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
<b>VOLTAGE</b>	
01	= + 12 V DC 90° conn. with LED
21	= + 12 V DC line conn. with LED
02	= + 24 V DC 90° conn. with LED
22	= + 24 V DC line conn. with LED
11	= + 12 V DC 90° conn. with LED downward
31	= + 12 V DC line conn. with LED downward
12	= + 24 V DC 90° conn. with LED downward
32	= + 24 V DC line conn. with LED downward
91	= + 12 V DC for integral electrical connections downward
92	= + 24 V DC for integral electrical connections downward

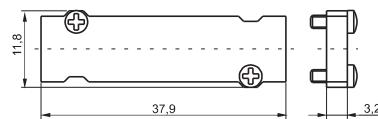


Weight 52 g  
Minimum pilot pressure 2,5 bar



▶ Closing plate

Coding: 2130.00

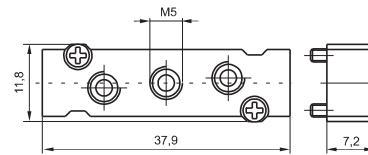


Weight 7 g

1

▶ Intermediate air intake

Coding: 2130.10

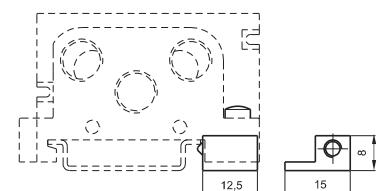


Weight 12 g  
to be assembled instead of a valve

AIR DISTRIBUTION

▶ DIN rail adapter

Coding: 2130.16



Weight 6 g

▶ Modular base cartridge

Coding: 2100.▼



VERSION
031M = Ø4 tube cartridge
033M = M5 cartridges
034M = M7x1 cartridges
035M = lock cartridge
036M = Ø4 tube cartridge

Weight 5 g

▶ Diaphragm plug

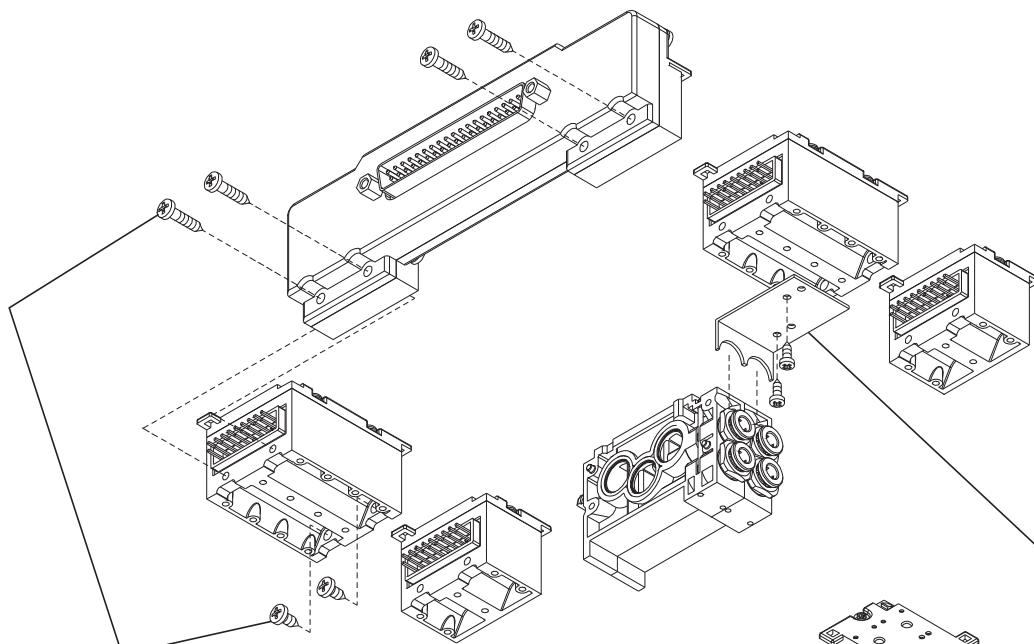
Coding: 2130.17



Weight 6 g

The integral electrical design for the series 2100 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.

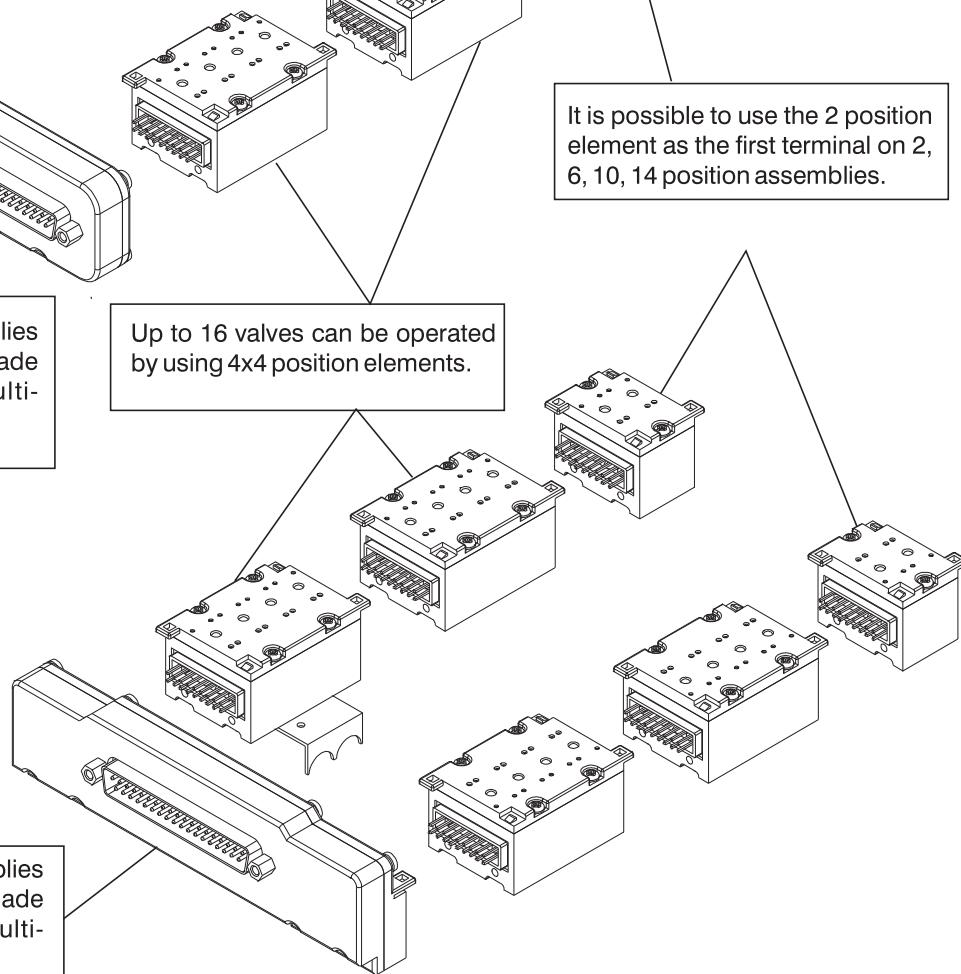
Support plates are supplied to mount the electrical connection elements to the manifold modules. Individual valves can still be removed from the manifold even after assembly is complete. One support plate is required per element.

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, 2 positions

Coding: 2100.02.V



Weight 35 g

**Note:** with protection diode only direct current (V DC) is available

VERSION	
00	= Left IP40-PNP
02	= Left IP40-PNP with protection diode
10	= Left IP65-PNP
12	= Left IP65-PNP with protection diode
01	= Right IP40-PNP
03	= Right IP40-PNP with protection diode
11	= Right IP65-PNP
13	= Right IP65-PNP with protection diode

Module for connections, 4 positions

Coding: 2100.04.V



Weight 35 g

**Note:** with protection diode only direct current (V DC) is available

VERSION	
00	= Left IP40-PNP
02	= Left IP40-PNP with protection diode
10	= Left IP65-PNP
12	= Left IP65-PNP with protection diode
01	= Right IP40-PNP
03	= Right IP40-PNP with protection diode
11	= Right IP65-PNP
13	= Right IP65-PNP with protection diode

Connectors 25 poles

Coding: 2100.25.10



Weight 40 g

The IP65 protection is obtained by IP65 Pneumax cable

Connectors 37 poles

Coding: 2100.37.10



Weight 120 g

The IP65 protection is obtained by IP65 Pneumax cable

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.C.L.00



CONNECTOR	
C	25 = 25 poles
C	37 = 37 poles
CABLE LENGTH	
L	03 = 3 meters
L	05 = 5 meters
L	10 = 10 meters

Cable complete with connector, 25 Poles, IP65

Coding: 2300.25.L.C



CABLE LENGTH	
L	03 = 3 meters
L	05 = 5 meters
L	10 = 10 meters
CONNECTOR	
C	10 = Stand alone
C	90 = 90° Angle

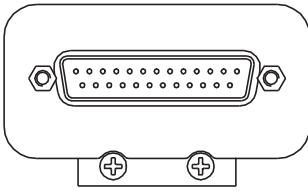
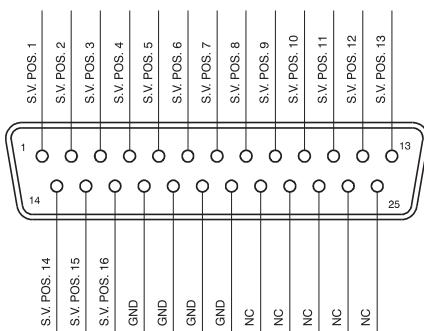
Cable complete with connector, 37 Poles, IP65

Coding: 2400.37.L.C

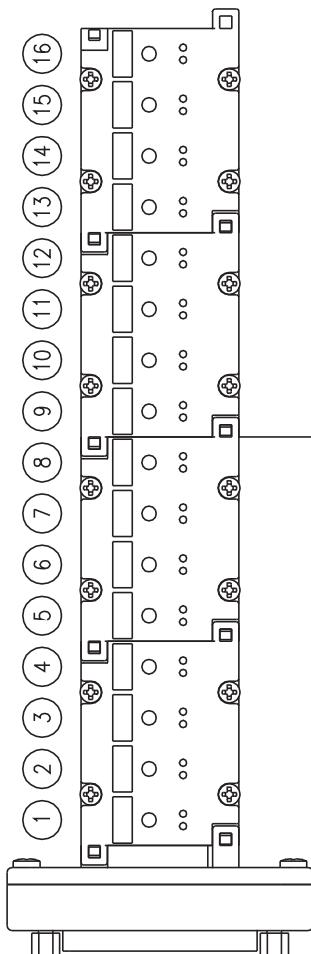
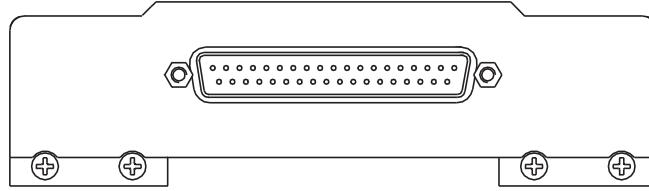
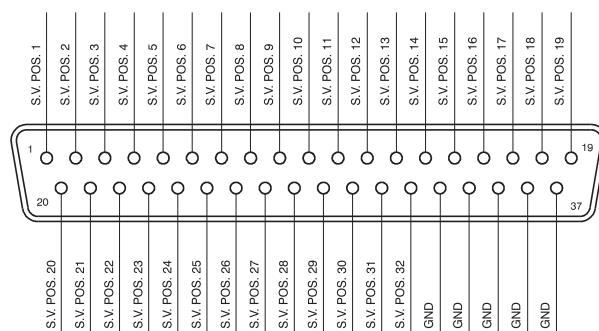


CABLE LENGTH	
L	03 = 3 meters
L	05 = 5 meters
L	10 = 10 meters
CONNECTOR	
C	10 = Stand alone
C	90 = 90° Angle

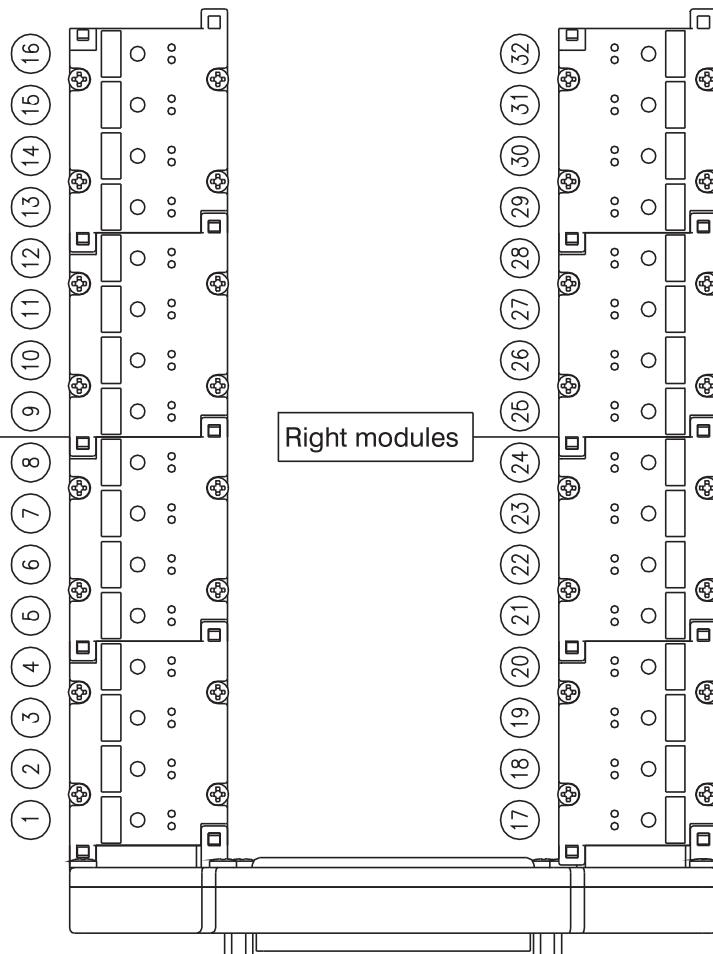
**SUB-D 25 POLES  
CONNECTOR**



**SUB-D 37 POLES  
CONNECTOR**



Left modules



Right modules