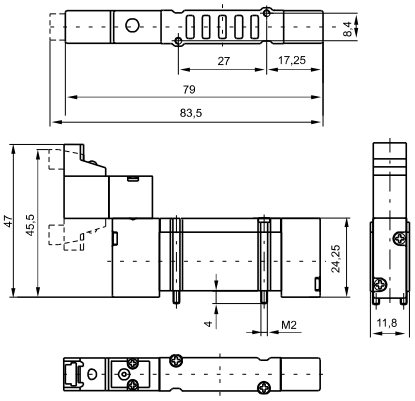
Solenoid - Spring

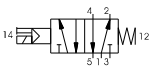
Coding: 2141.52.00.39.T

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 (Nl/min)	150
Orifice size (mm)	2.5
Working ports size	M5

	VOLTAGE
T	**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



Weight 38 g
Minimum piloting pressure 2 bar

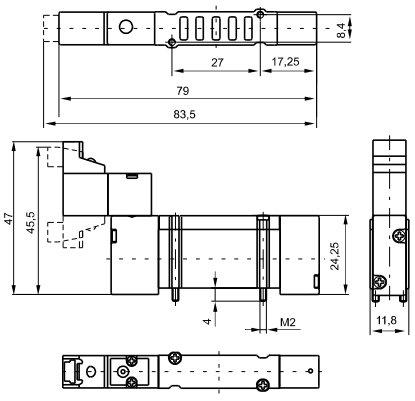


Solenoid - Differential

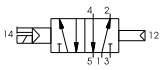
Coding: 2141.52.00.36.T

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 (Nl/min)	150
Orifice size (mm)	2.5
Working ports size	M5

	VOLTAGE
T	**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



Weight 38 g
Minimum piloting pressure 2 bar

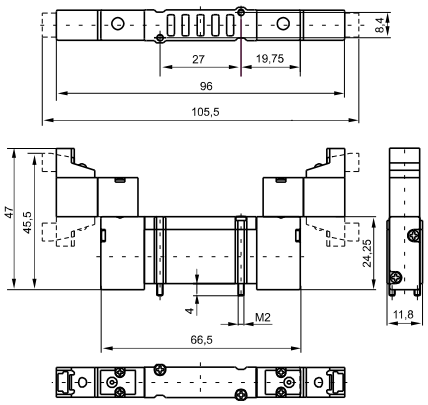


Solenoid - Solenoid

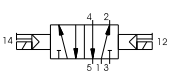
Coding: 2141.52.00.35.T

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 (Nl/min)	150
Orifice size (mm)	2.5
Working ports size	M5

	VOLTAGE
T	**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



Weight 48 g
Minimum piloting pressure 1,5 bar

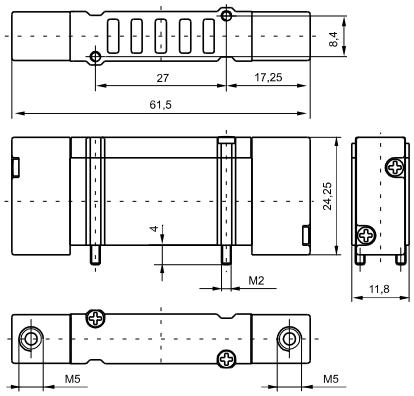


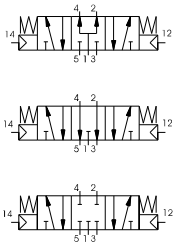
Pneumatic - Pneumatic

Coding: 2141.53.Ⓕ.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 (Nl/min)	180 (Pressured centres) 130 (Closed centres) 140 (Open centres)
Orifice size (mm)	2.5
Working ports size	M5

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





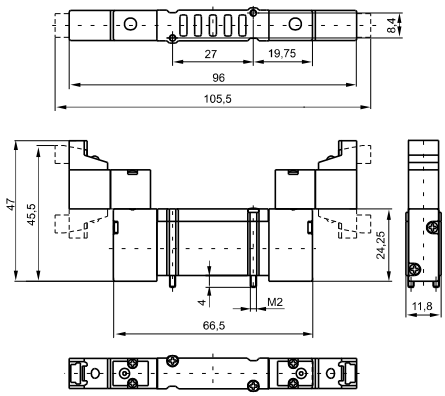
Weight 28 g
Minimum working pressure 2 bar

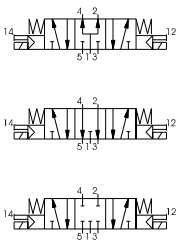
Solenoid - Solenoid

Coding: 2141.53.Ⓕ.35.Ⓣ

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 (Nl/min)	180 (Pressured centres) 130 (Closed centres) 140 (Open centres)
Orifice size (mm)	2.5
Working ports size	M5

Ⓕ	FUNCTION
	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
	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



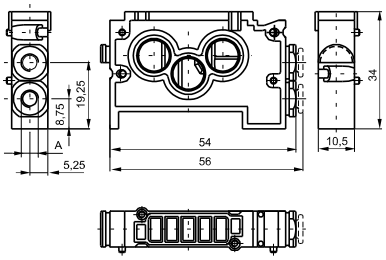


Weight 52 g
Minimum piloting pressure 2,5 bar

Modular base for "BASE" version

Coding: 214(V).01

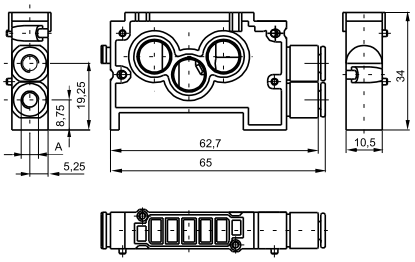
(V)	VARIANTS
	0 = modular BASE without cartridges
	4 = modular base c/w with 4mm tube cartridges
	5 = modular base c/w with M5 cartridges
	7 = modular base c/w with M7x1 cartridges



Weight 22 g

Modular BASE c/w with 6mm tube cartridges

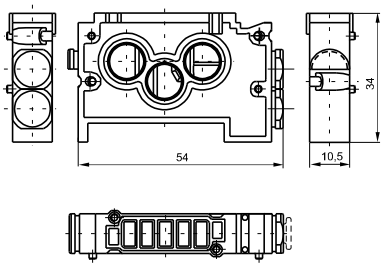
Coding: 2146.01



Weight 22 g

Modular base for "FLAT" version

Coding: 2130.01

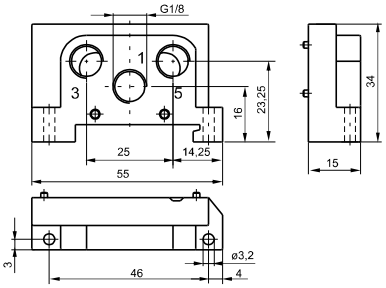


Weight 28 g

Inlet base

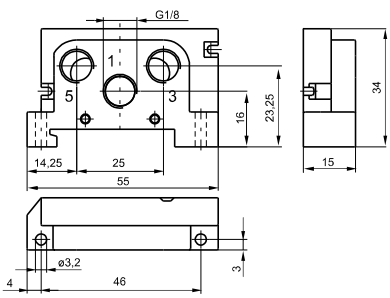
Coding: 2140.(V)

(V)	VARIANTS
	02 = Right
	03 = Left



Weight 18 g

2140.02

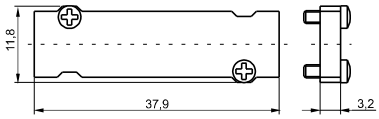


Weight 18 g

2140.03

Closing plate

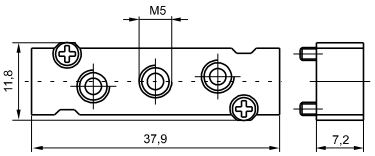
Coding: 2130.00



Weight 7 g

Intermediate air intake

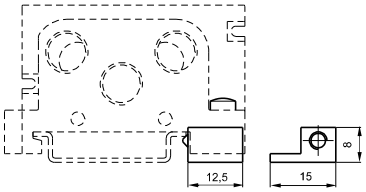
Coding: 2130.10



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 =	Blanck base
	036M =	Ø4 tube cartridge

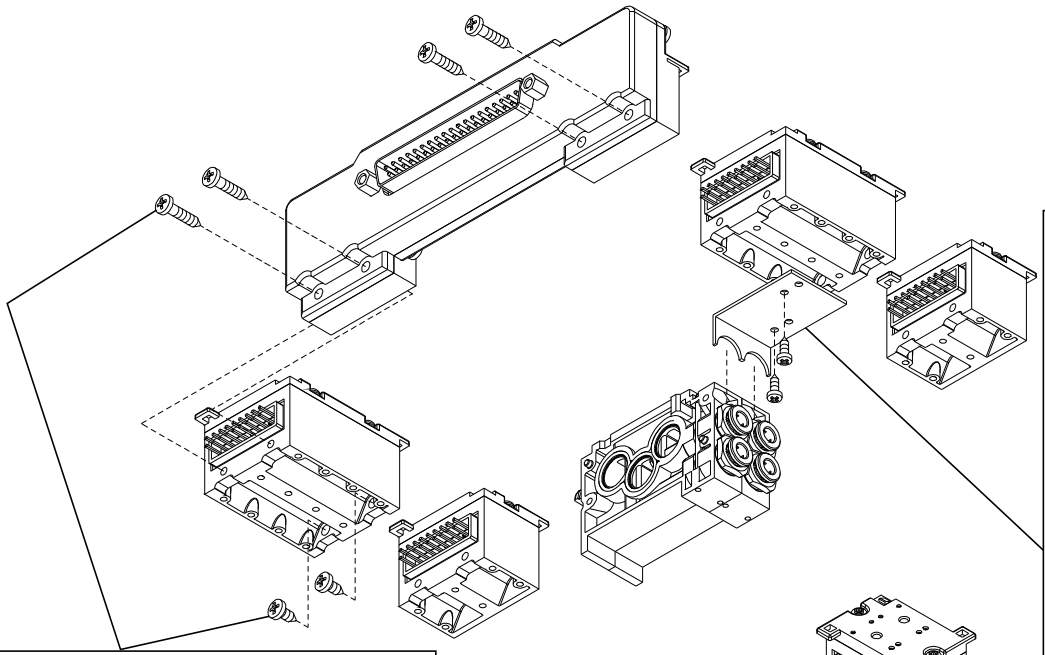
Weight 5 g

Diaphragm plug

Coding: 2130.17

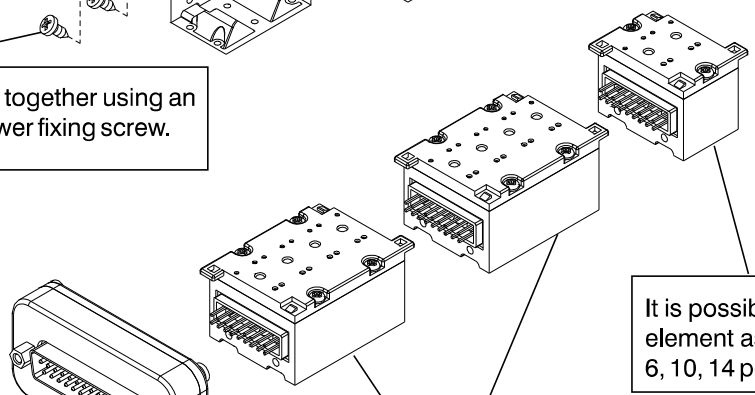
Weight 6 g

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).



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.

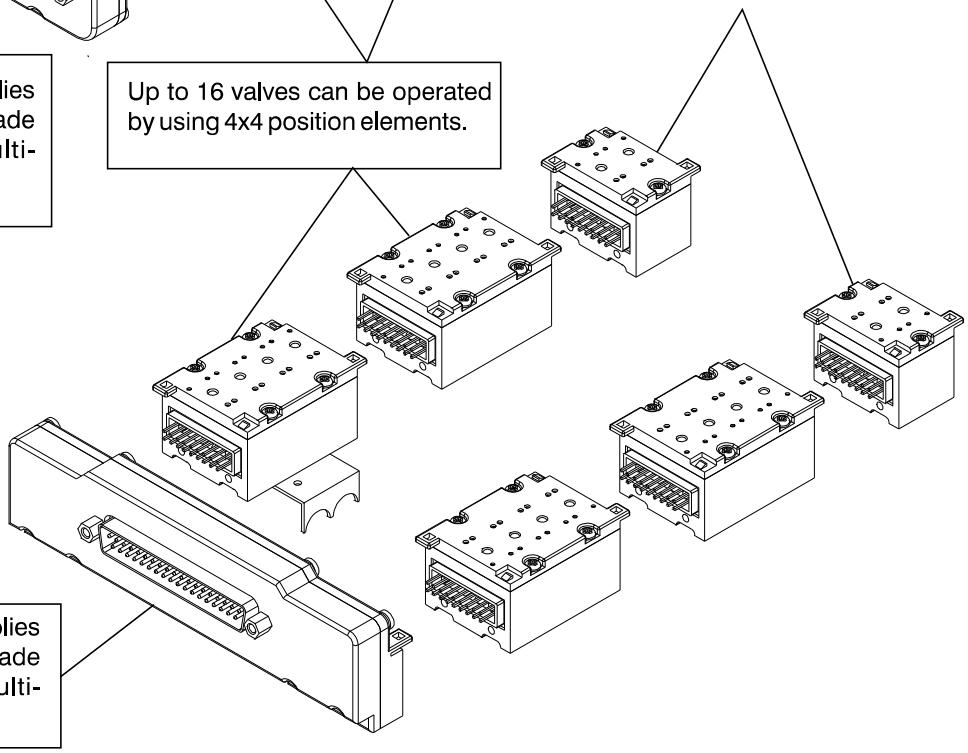
The elements connect together using an upper coupling and lower fixing screw.



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 usinfg an D-SUB 37 multi-connector.

Module for connections

Coding: 2100.Ⓟ.Ⓣ

Ⓟ	POSITIONS
	04 = 4 positions
	02 = 2 positions
Ⓣ	TYPE
	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

Weight 35 g

2100.02.Ⓣ

Weight 20 g

2100.04.Ⓣ

Front connector

Coding: 2100.Ⓟ.10

Ⓟ	POLES
	37 = 37 poles
	25 = 25 poles

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

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.Ⓣ.Ⓛ.00

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

Cable complete with connector, 25 Poles IP65

Coding: 2300.25.Ⓛ.Ⓒ

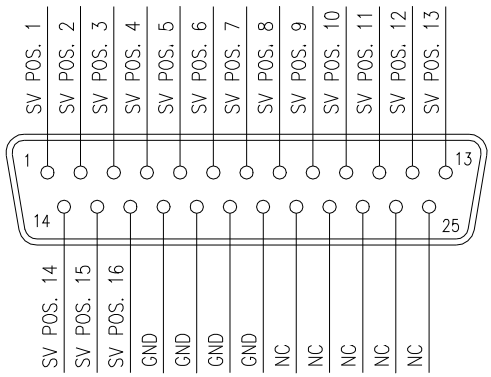
Ⓛ	CABLE LENGTH
	03 = 3 meters
	05 = 5 meters
	10 = 10 meters
Ⓒ	CONNECTOR
	10 = In line
	90 = 90° Angle

Cable complete with connector, 37 Poles IP65

Coding: 2400.37.Ⓛ.Ⓒ

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

SUB-D 25 CONTACTS CONNECTOR



SUB-D 37 CONTACTS CONNECTOR