

# Series K directly operated solenoid valves

3/2-way NC and NO.

They can be mounted on a single base (with M5 ports) as well as on manifolds (with M5 ports).



Series K directly operated solenoid valves are available as 3/2-way either NC or NO versions. Both versions can be mounted on single sub-bases or manifolds and they are equipped with a manual override which makes the plants setting easier.

## GENERAL DATA

### TECHNICAL FEATURES

Function	3/2 NC - 3/2 NO
Operation	direct acting poppet type
Pneumatic connections	on subbase by means of screws
Nominal diameter	0.65 mm
Nominal flow	10 Nl/min (air @ 6 bar $\Delta P$ 1 bar)
Kv (l/min)	0.15
Operating pressure	0 ÷ 5 (NO) ... 7 bar (NC)
Operating temperature	0 ÷ +50°C
Media	filtered air, class 5.4.4 according to ISO 8573-1 (max oil viscosity 32 cSt), inert gas
Response time	ON <10 msec – OFF <10 msec
Manual override	monostable button
Installation	in any position

### MATERIALS IN CONTACT WITH THE MEDIUM

Body	PBT technopolymer
Seals	NBR (FKM on demand)
Internal parts	stainless steel

### ELECTRICAL FEATURES

Voltage	24 V DC - 12 V DC - 6 V DC - other voltages on demand
Voltage tolerance	±10%
Power consumption	0.9 W, 0.95 W with LED
Duty cycle	ED 100%
Electrical connection	connector - thin cables L = 300 mm
Protection class	IP50

Special versions available on demand

**CODING EXAMPLE**

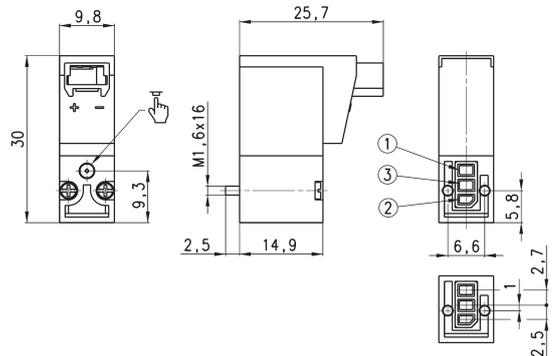
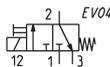
**K 0 00 - 3 0 3 - K 2 3**

<b>K</b>	SERIES
<b>0</b>	BODY DESIGN: 0 = single sub-base (only M5) or interface 1 = manifold
<b>00</b>	NUMBER OF POSITIONS: 00 = interface 01 = single base (only M5) 02 + 99 = manifold number of positions
<b>3</b>	NUMBER OF WAYS - FUNCTIONS: 0 = manifold or single base 3 = 3-way NC 4 = 3-way NO 5 = 3-way NC electric part revolved by 180° 6 = 3-way NO electric part revolved by 180°
<b>0</b>	PORTS: 0 = interface 2 = M5 side outlets
<b>3</b>	NOMINAL DIAMETER: 3 = $\varnothing$ 0,65
<b>K</b>	MATERIALS: K = PBT body, HNBR poppet F = PBT body, FKM poppet
<b>2</b>	ELECTRICAL CONNECTION: 1 = 90° connection with protection and led 2 = 90° connection with protection 3 = 90° connection B = in-line connection with protection and led C = in-line connection with protection D = in-line connection F = cable (300mm) with protection and led G = cable (300mm) with protection H = cable only (300mm)
<b>3</b>	SOLENOID VOLTAGE: 1 = 6V DC 2 = 12V DC 3 = 24V DC
	FIXING: = standard version for mounting on plastic interface M = with screws for mounting on metal interfaces (on demand).



**3/2-way NC solenoid valve - 90° electrical connection**

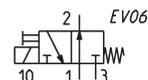
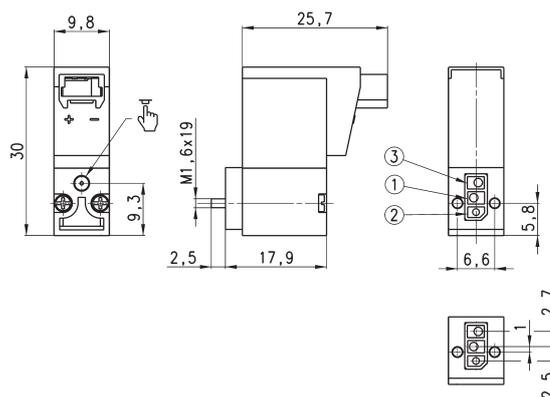
Supplied with:  
1x interface seal  
2x screws



- Mod.
- K000-303-K13**
- K000-303-K23**
- K000-303-K33**

**3/2-way NO solenoid valve - 90° electrical connection**


Supplied with:  
 1x interface for NO version  
 (connections 1 and 3 are inverted)  
 2x interface seals for NO version  
 2x screws



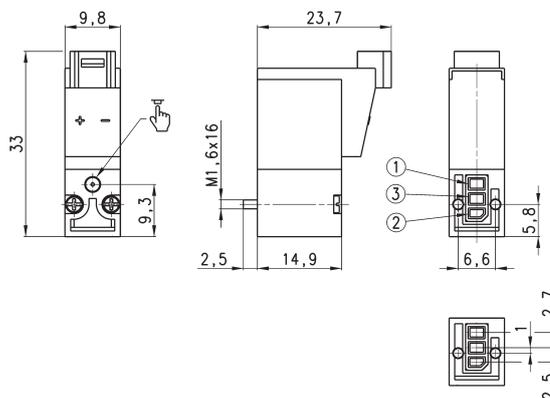
The interface for NO version is required if the valve is mounted on a manifold. In case of a single or

customised base, on the contrary, it is necessary to use screws M1,6x16 (mod. K303/61).

Mod.
<b>K000-403-K13</b>
<b>K000-403-K23</b>
<b>K000-403-K33</b>

**3/2-way NC solenoid valve - in-line electrical connection**

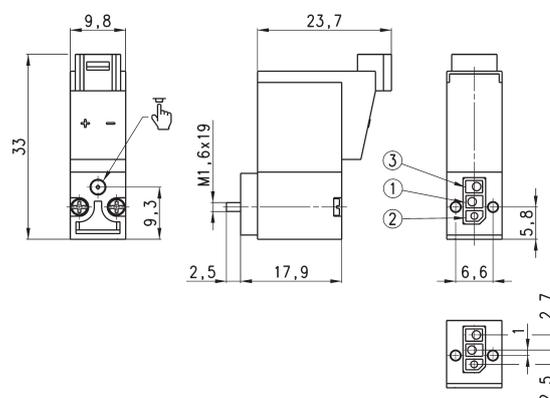

Supplied with:  
 1x interface seal  
 2x screws



Mod.
<b>K000-303-KB3</b>
<b>K000-303-KC3</b>
<b>K000-303-KD3</b>

**3/2-way NO solenoid valve - in-line electrical connection**


Supplied with:  
 1x interface for NO version  
 (connections 1 and 3 are inverted)  
 2x interface seals for NO version  
 2x screws



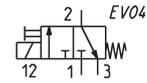
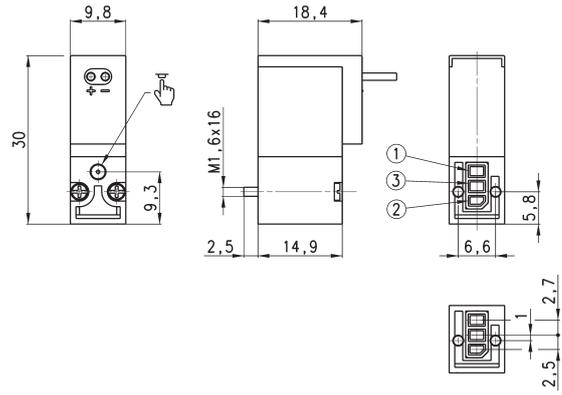
The interface for NO version is required if the valve is mounted on a manifold. In case of a single or

customised base, on the contrary, it is necessary to use screws M1,6x16 (mod. K303/61).

Mod.
<b>K000-403-KB3</b>
<b>K000-403-KC3</b>
<b>K000-403-KD3</b>

3/2-way NC solenoid valve with cable 300 mm

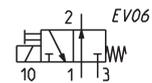
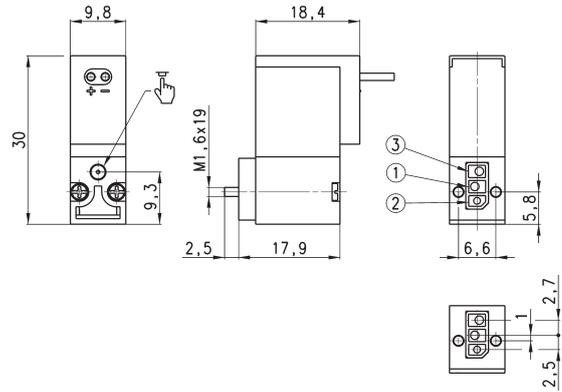
Supplied with:  
1x interface seal  
2x screws



Mod.
K000-303-KF3
K000-303-KG3
K000-303-KH3

3/2-way NO solenoid valve (with cable 300 mm)

Supplied with:  
1x interface for NO version  
(connections 1 and 3 are inverted)  
2x interface seals for NO version  
2x screws



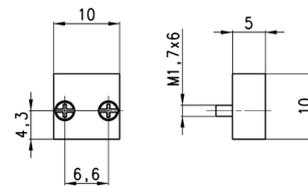
The interface for NO version is required if the valve is mounted on a manifold. In case of a single or

customised base, on the contrary, it is necessary to use screws M1,6x16 (mod. K303/61).

Mod.
K000-403-KF3
K000-403-KG3
K000-403-KH3

Excluder tap

Supplied with:  
1x excluder tap  
1x interface seal  
2x screws



Mod.
K000-TP

