

A max. counter-pressure of 4 barat Tis permitted for the variant with a microswitch (MS).

## Overall dimensions

| Max. pressure ports P/A/B | 350 bar |
| :--- | ---: |
| Max. pressure port T (DC coil) see note (*) | 250 bar |
| Max. pressure port T (AC coil) | 160 bar |
| Max. flow | $100 \mathrm{l} / \mathrm{min}$ |
| Max. excitation frequency | 3 Hz |
| Duty cycle | $100 \% \mathrm{ED}$ |
| Fluid viscosity | $10 \div 500 \mathrm{~mm}^{2} / \mathrm{s}$ |
| Fluid temperature | $-25^{\circ} \mathrm{C} \div 75^{\circ} \mathrm{C}$ |
| Ambient temperature | $-25^{\circ} \mathrm{C} \div 60^{\circ} \mathrm{C}$ |
| Max. contamination level | class 10 in accordance with NAS |
| Weight (with one DC solenoid) | 1638 with filter $\mathrm{B}_{25} \geq 75$ |
| Weight (with two DC solenoids) | 4 Kg |
| Weight (with one AC solenoid) | $5,1 \mathrm{Kg}$ |
| Weight (with two AC solenoids) | $3,5 \mathrm{Kg}$ |
| (*) Pressure dynamic allowed for 2 millions of cycles. $_{4,3 \mathrm{Kg}}$ |  |

Fixing screws UNI 5931 M6x40 with material specifications $\min 8.8$ Tightening torque $8 \mathrm{Nm} / 0.8 \mathrm{Kgm}$




## Limits of use (Mounting C-E-F)s

The tests have been carried out with solenoids at operating temperature and a voltage $10 \%$ less than rated voltage with a fluid temperature of $40^{\circ} \mathrm{C}$. The fluid used was a mineral oil with a viscosity of $46 \mathrm{~mm}^{2} / \mathrm{s}$ at $40^{\circ} \mathrm{C}$.
The values in the diagram refer to tests carried out with the oil flow in two directions simultaneously $T=2$ bar (e.g. from $P$ to $A$ and the same time B to P).

In the cases where valves $4 / 2$ and $4 / 3$ were used with the flow in one direction only, the limits of use could have variations which may even be negative. Rest time: the values are indicative and depend on the following parameters: hydraulic circuit, fluid used and variations in hydraulic scales (pressure P, flow Q, temperature T).

| Direct current | $:$ | Energizing | $60 \div 95 \mathrm{~ms}$. | Alternating current: | Energizing |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | De-energizing | $25 \div 70 \mathrm{~ms}$. |  | De- energizing | $12 \div 30 \mathrm{~ms}$. |
|  |  |  |  |  |  |

## Direct current solenoids (DC)



| Spool <br> type | Solenoids |  |
| :---: | :---: | :---: |
|  | DC | AC |
| 01 | 1 | 8 |
| 02 | 1 | 6 |
| 03 | 2 | 7 |
| 04 | 4 | 10 |
| 05 | 1 | 6 |
| $06-66$ | 3 | 9 |
| $14-28$ | 5 | 11 |
| 15 | 3 | 10 |
| 16 | 1 | 6 |
|  | Curves |  |

## Alternating current solenoids (AC)



