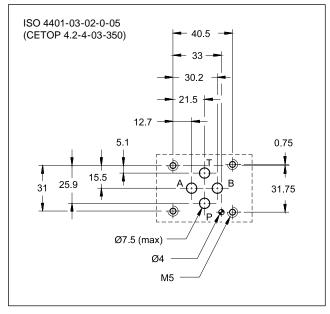
# 





### **MOUNTING SURFACE**



### PERFORMANCES

(obtained with mineral oil with viscosity of 36 cSt at 50°C and electronic control card)

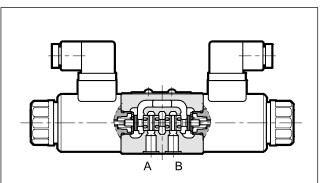
Max operating pressure: P - A - B ports T port	bar	350 210
Maximum flow with ∆p 10 bar P -T	l/min	1 - 4 - 8 - 16 - 26
Step response		see par. 5
Hysteresis (with PWM 200 Hz)	% Q <sub>max</sub>	< 6%
Repeatability	% Q <sub>max</sub>	< ± 1,5%
Electrical characteristics		see par. 4
Ambient temperature range	°C	-20 / +60
Fluid temperature range	°C	-20 / +80
Fluid viscosity range	cSt	10 ÷ 400
Fluid contamination degree	According to ISO 4406:1999 class 18/16/13	
Recommended viscosity	cSt	25
Mass: single solenoid valve double solenoid valve	kg	1.5 2.0



# SUBPLATE MOUNTING ISO 4401-03

p max **350** bar Q max **40** l/min

### **OPERATING PRINCIPLE**



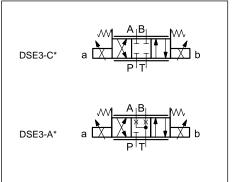
- The DSE3 valve is a proportional directional valve, direct operated, with ports in compliance with ISO 4401-03 standards.
- It is suitable for directional and speed control of hydraulic actuators.
- Valve opening and hence flow rate can be modulated continuously in proportion to the current supplied to the solenoid.

 The valve can be controlled directly by a current control supply unit or combined with an external electronic card

to maximize the valve performances (see par. 12).

- Several manual overrides are available.

## HYDRAULIC SYMBOLS (typical)



#### CONFIGURATIONS

Valve configuration depends on the combination of the following elements: number of proportional solenoids, spool type, nominal flow rate.

2 solenoids configuration: 3 positions with spring centreing **"SA**" configuration: 1 solenoid on side A. 2 positions (central + external) with return spring

**"SB**" configuration: 1 solenoid on side B. 2 positions (central + external) with return spring

