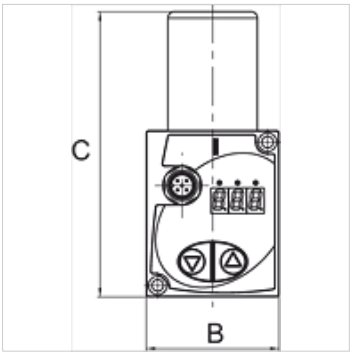
K-PROP REGELVE SENTRONIC D

Proportional control valves, digital, 24 VDC

Properties

Media temperature	0 - 60 °C
Ambient temperature	0 - 50 °C
Media	Air or neutral gases (≤ 50 µm filter specified)
Pressure range	0 - 10 bar
Piloting	0 to 10 V (on request: 0 to 20 mA or 4 to 20 mA)
setpoint electrical	0 - 10 V
Analogue output	0 - 10 V
Operation	Proportional solenoid valve
Digital output	Pressure switch output PNP +/- 5%
setting failsafe	Pressure relieved in case of loss of voltage
Internal parts	POM
Sealant	NBR
Housing	Aluminium



Note

Further information on request

Description

Ever increasing requirements with regard to quality, precision, productivity, convenience, user friendliness and service represent tough challenges for industrial plant and production facilities. These challenges can only be mastered if physical quantities such as temperature, pressure, force, speed, torque, etc. are optimally adapted to the operating conditions of each installation. Stepless adjustment of these parameters is vital.
Proportional valves allow the medium to be varied as a function of an electronic input variable.
By linking these valves to the electronics, it is possible to improve their accuracy and broaden their range of applications. A pressure regulator, for instance, needs to be suitable for several pressure ranges without having to adjust the pressure manually.
Proportional valves control the output pressure in a closed control loop proportionally to the selected setpoint signal. This output pressure, in other words, is continually compared with the specified setpoint and automatically adjusted according to actual parameter values.

Item

Identification	Connection	DN	Flow rate (L/min)	B	C (mm)
K- 07 25 10 04	G 1/8	4	780	52.0 mm	112,0
K- 07 25 10 05	G 1/4	4	780	52.0 mm	112,0
K- 07 25 10 06	G 1/4	8	1750	66.0 mm	138,0
K- 07 25 10 07	G 3/8	8	1750	66.0 mm	138,0