Proportional directional control valve with integrated spool position control NG4-Mini

Direct controlled proportional directional control valve with integrated amplifier electronics and spool position control in flange construction NG4-Mini. The valve possesses an integrated position control. With the spool position sensor (LVDT), the actual position of the valve spool is continuously recorded and brought into line with the set-point value transmitted in an analogue manner. Apart from an analogue interface the valve is also available with a fieldbus interface (CANopen or Profibus DP). The parameterisation takes place through a USB- interface by means of a menu-controlled parameterisation- and diagnostics software. The data are stored in a non-volatile memory. Settings once elaborated can be reproduced and transferred without any problem, also following an electric power failure.

Typ: BRW.4

- Flange construction NG4-Mini
- Operating pressure pmax = 315 bar
- Maximum volume flow Qmax = 20 l/min
- Volume flow levels: QN = 4/8 l/min
- Nominal voltage 24 VDC
- With integrated spool position sensor (LVDT)
- With integrated amplifier electronics (DSV)
- Protection class IP 67
Advantages of the spool position control (LVDI)
◆ Minimal hysteresis
◆ Improved dynamic characteristics

Advantages of the integrated amplifier electronics (DSV)
◆ Intelligent
◆ Compact
◆ Plug & Play

Applications
✓ Both in industrial - as well as in mobile hydraulics
✓ Where a high resolution, minimal hysteresis and very good dynamic characteristics are of concern
✓ Adjustment of the rotor blades of wind power generators
✓ Machine tool - and paper production machines
✓ In case of position control systems
✓ Forestry - and earth moving machines
✓ Robotics

Further Information
You will find further technical information on the corresponding data sheet 1.10-70 or on our website. We will be happy to advise you in the selection of the suitable components for your application.

Do not hesitate to contact us.