Product information

S-KB-4 · Controller

Description

The controller S-KB-4 is recommended for continuous flow control in combination with micro annular gear pump mzr-7241. The 2-Q-DC servo amplifier enables to control the constancy of flow rate via motor speed using the hall sensors of the brushless DC-motor. Speed can be adjusted with an external voltage signal (0 … 10 V).

Advantages

- Pump controller for continuous delivery
- Good value 2-Q-DC servo amplifier
- For brushless DC-motor with digital hall sensors
- Compact aluminum housing
- Speed set with external voltage signal or external potentiometer
- Current delimiter
- Screw terminal for plug-in of mzr-pump

Technical data

Controller	PI regulator for motor speed
Supply voltage	24 V DC (5 – 28 V)
Max. continuous output current	4 A
Max. peak output current	6 A
Velocity range	500 - 6,000 rpm
Voltage	screw terminal
Pump connector	screw terminal
Input for motor speed »U_in«	voltage signal 0 … 10 V; external potentiometer 10 kiloohm
Direction input »DIR«	Right direction: low (0 … 1 V); left direction: high (4 V … UB)
Error output »FG«	Open collector max. UB / 15 mA; no Error: high level
Operating temperature range	0 ... +60 °C (+140 °F)
Protection class	IP 20
Dimensions (L x W x H)	approx. 65 x 58 x 22 mm
Weight	approx. 160 g
Remarks	Subject to technical changes.

Notice
Even if single parameters are within the indicated performance range of technical data, certain parameter combinations may not be achievable. Single parameters may exceed their indicated performance range under adequate circumstances. For detailed evaluation please contact HNP Mikrosysteme. Actual performance may vary. Specifications are subject to change without notice. This document is subject to change without notice.

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