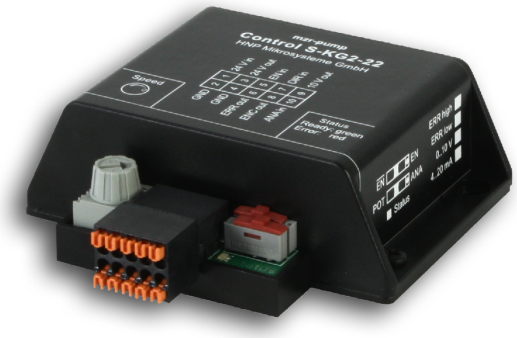
Product information

S-KG2 · Controller



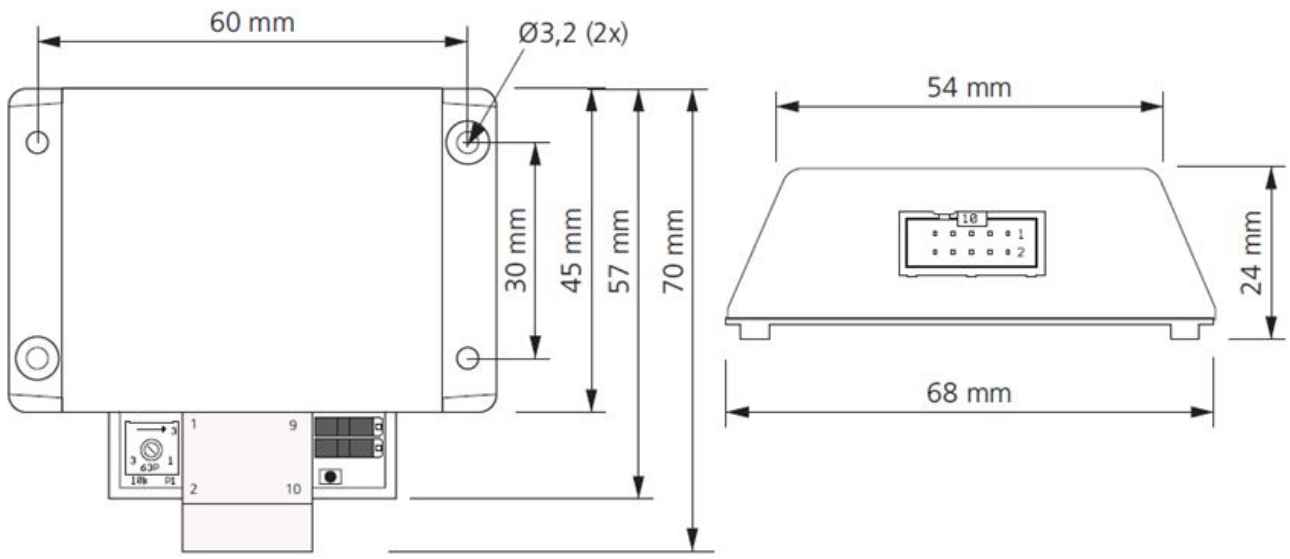
Description

The controller S-KG2 is recommended for continuous flow control in combination with the micro annular gear pumps mzr-2521, mzr-2921 and mzr-4622. The 4-Q-DC servo amplifier enables to control the constancy of flow rate via motor speed using the encoder mode of operation. Speed can be adjusted either with an external voltage signal (0…10 V), external current signal (4…20 mA) or an external potentiometer.

Advantages

- Pump controller for continuous delivery
- Good value 4-Q-DC servo amplifier
- Digital encoder regulator
- Compact plastic housing
- Speed set with external voltage signal, external current signal or external potentiometer
- Current delimiter
- 10-pole pin headers for plug-in of mzr-pump
- Two colored LED status indicator

Dimensions



Technical data

Control	PID controller for motor speed
Supply voltage	24 V DC (6-30 V)
Max. continuous output current	0.5 A
Max. peak output current	1 A
Velocity range	200 - 6,000 rpm
Voltage	screw terminal
Pump connector	pin headers, 10-pole
Input for motor speed "An_in"	voltage signal 0 – 10 V; current signal 4 – 20 mA; external potentiometer 10 kiloohm
Enable input "Enable"	Enable: low (0 … 1.5 V); Disable: high (5.5 V … UB)
Direction input "L/R"	Right direction: low (0 … 1.5 V); Left direction: high (5.5 V … UB)
Speed output "Enc_out"	24 VDC, max. UB / 80 mA
Error output "Error"	24 VDC, max. UB / 1 A No Error: high level
Operating temperature range	0 ... +50 °C (+122 °F)
Protection class	IP 20
Dimensions (L x W x H)	approx. 68 x 57 x 24 mm
Weight	approx. 44 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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