

Low pressure series, Modular series

## Controller S-KG

For continuous delivery



- 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
- 6-pole pin headers for plug-in of mzr-pump
- Two colored LED status indicator

The controller S-KG is recommended for continuous flow control in combination with the micro annular gear pumps mzr-2521, mzr-2921, mzr-4622, mzr-2542

and mzr-2942. 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.

### Technical Data

Control	PID regulator for motor speed
Supply voltage $U_B$	24 V DC (10 – 30 V)
Max. continuous output current	0.5 A
Max. peak output current	1 A
Speed	100 – 6000 rpm
Voltage connector	screw terminal
Pump connector	pin headers, 6-pole
Input for motor speed »An_in«	voltage signal 0 ... 10 V current signal 4 ... 20 mA external potentiometer 10 k $\Omega$
Enable input »Enable«	Enable: low (0 ... 1 V) Disable: high (4 V ... $U_B$ )
Direction input »L/R«	Right direction: low (0 ... 1 V) Left direction: high (4 V ... $U_B$ )
Speed output »Enc_out«	Open collector max. $U_B$ / 50 mA
Error output »Error«	Open collector max. $U_B$ / 50 mA No Error: high level
Operating temperature range	0 ... +50 °C
Protective class	IP 20
Measurements (L x B x H)	approx. 68 x 57 x 24 mm
Weight	approx. 35 g

Subject to technical changes.

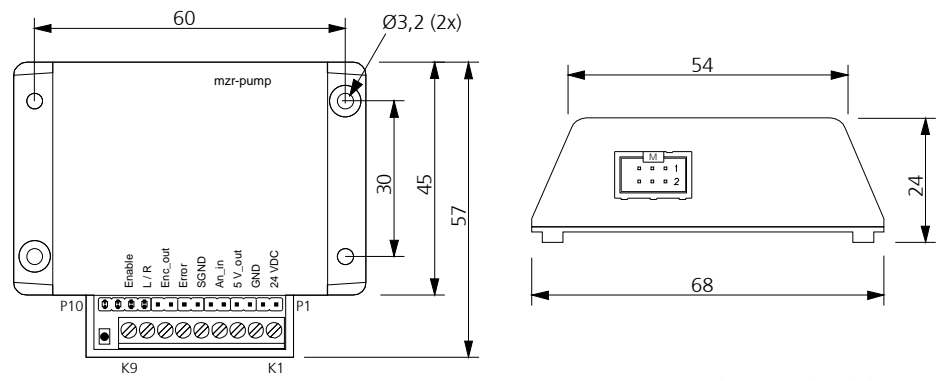
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## Measurements



Subject to technical changes.

## Item number

66 02 03 00

Controller S-KG-21 for micro annular gear pumps mZR-2521 and mZR-2921

66 02 03 01

Controller S-KG-22 for micro annular gear pumps mZR-2542, mZR-2942 and mZR-4622

Not available for mZR-7223 due to current limit