

Low pressure series Controller S-KD For continuous delivery



- Pump controller for continuous delivery
- Good value 4-Q-DC servo amplifier
- Digital encoder regulator or IxR-compensation
- Compact metal housing
- Speed set with external potentiometer, external voltage signal or internal potentiometer
- Adjustable current delimiter
- Plug-in of mZR-pumps with universal adapter

The controller S-KD is recommended for continuous flow control in combination with a mZR-pump of the low pressure series. The 4-Q-DC servo amplifier enables to control the constancy of flow rate

via motor speed using the encoder mode of operation. The compact housing can be installed in a 19" rack or on an assembly plate. The special mZR-pump adapter fits all pump connector types of the

series. Speed can be adjusted either with an external potentiometer, an external voltage signal ($\pm 10\text{ V}$, $\pm 3.9\text{ V}$) or with an internal potentiometer. An error signal can be retrieved.

Technical Data

Control	PI regulator for motor speed
Supply voltage U_B	24 V DC (12 – 30 V)
Max. output current	2 A
Max. power output	50 W
Speed	200 – 6000 rpm
Voltage connector	separable screw terminals
Pump connector	pin headers, 10-pole
Input »Set Value«	$\pm 10\text{ V}$, $\pm 3.9\text{ V}$ configurable
Status reading »Ready«	Open collector max. $U_B / 20\text{ mA}$ Error: »Ready« = high resistance Ready: »Ready« = GND
Disable »Dis IN«	»Disable« min. $U_B - 1\text{ V}$ »Enable« max. GND + 1 V
Operating temperature range	0 ... +45 °C
Measurements (L x B x H)	approx. 114 x 100 x 34 mm
Weight	approx. 370 g

Subject to technical changes.

Item number

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controller S-KD-21 with adapter for micro annular gear pumps mZR-2521 and mZR-2921
controller S-KD-22 with adapter for micro annular gear pump mZR-4622
controller S-KD-23 with adapter for micro annular gear pump mZR-7223

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