

Low pressure series Controller S-KD for continuous dosage



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

The controller S-KD is recommended for continuous flow control in combination with a mzs-pump of the low pressure series. The 4-Q-DC servo amplifier allows to control a constant volume flow 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 mzs-pump adapter fits with all connector types of pumps 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	12 – 30 V DC
Max. output current	2 A
Max. power output	50 W
Speed	200 – 6000 rpm
Voltage connector	separable screw terminals
Pump connector	10-pole socket
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
Measurements (L x W x H)	approx. 114 x 100 x 34 mm
Weight	approx. 370 g
Operating temperature range	0 ... +45°C

Subject to technical changes.

Item number

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Controller S-KD-21 with adapter for micro annular gear pumps mzs-2521/mzs2921
Controller S-KD-22 with adapter for micro annular gear pump mzs-4622
Controller S-KD-23 with adapter for micro annular gear pump mzs-7223

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