

Soft start, soft stop - control for DC motors up to 150 W

The new controller for DC motors of KALEJA Elektronik GmbH offers to users a cost-efficient solution to electronically drive DC motors.

Fast assembly is ensured due to the modular design, snapping onto the DIN rail and plug-on connection terminals.

The control system is designed for reversing operation. An efficiency of max. 95% is achieved based on the MOSFET – technology. The motor speed can be controlled from zero to maximum speed by means of a potentiometer or an analogue input from 0-10 VDC.

A reference voltage of 10VDC is provided by the control system, therefore a potentiometer for speed control can be conveniently connected for individual speed control. Two accessible trimmers on the controller front panel ensure the convenient adjustment for soft start and soft stop, each adjustable from 0.1 to 10 sec., regulated in 4Q mode. The third trimmer, for adjustment of IxR compensation guarantees, that the controller can be used with different motors. Further, the IxR compensation regulates a steady speed, even during fluctuating load of the motor. With the plug-on connection for two limit switches a precise positioning can be realized.



KALEJA Elektronik GmbH offers this control for 12VDC, 24VDC, 48VDC motors. The design width of this compact motor speed control system is 45mm only. Designation: M-RA-5-24 Art. No. 06.04.093