

ELECTROMEN - EM-165 DC MOTOR POSITIONING DRIVE 12-32 V DC, 5 A, ANALOGUE FB

EM-165
DC motor positioning drive 12-32 V dc, 5 A, analogue FB



- 12-32 V dc, 5 A continuous, 12 A peak
- Set value & feedback input, 0-5V or potentiometer
- Positioning accuracy. typ. $\pm 1\%$
- Compact, din rail mountable

PRODUCT DESCRIPTION

EM-165 is a low cost positioning driver. It has an inbuilt servo amplifier and a power stage for controlling a dc-motor. It is suitable for driving a spindle motor equipped with feedback potentiometer. EM-165 is best suited for slow and medium speed systems with a transitional period of 2...30s (from end to end). The current limit is settable and can be used to limit the torque of the motor. Current trip feature will shut down the driver in fault situation, if either current is on the limit for over 2s, or if it takes more than 30s to reach the set value. In fault situation the error output will be activated. Reactivation from the trip situation is done by applying a reverse control command.

Positioning is done by giving a new set value using the set value potentiometer or voltage signal 0-5V. The driver compares the feedback value to the set value and starts to drive the motor towards the set value. When these values begin to approach each other, the driver will slow down, and when the values are identical the motor stops. EM-165 is small sized and easy to install. It is possible to use screw fastening or install the driver in to a rail with a rail mounting base which is available as an accessory. The power stage is equipped with self recovery overload and over current protection, but the use of an external fuse is recommended.

FEATURES

- small in size
- low cost
- pos. accuracy. typ. $\pm 1\%$
- good efficiency $>92\%$
- for motors 5-200W
- start- and stop-ramp
- overload protected
- selectable current limit
- rail base mountable

TECHNICAL DATA

2421_Peak current (A)	12
5646_Dimensions length x width x height (mm)	72.5x31x24mm
Analogue input	0-5V
Control type	Direction, Torque, Position, Soft start / stop
Current setting range	0-12 A
Max continuous current	5 A
Mounting	DIN rail

Operating temperature	-20°C...+60°C
Suitable engine	DC
Supplier	Electromen
Supply voltage	12 V DC, 24 V DC
Weight	40 g



