Motor-speed control for brush sticking direct current motor 24VDC. Threshold voltage: 24VDC

Implementation for switching current up to 5A. With change of rotation.

Indirect-coupled between input circuit and output circuit.

To snap onto DIN - rail EN 50022 and EN 50035.

Construction width: 22,5mm

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<th>Short designation / type</th>
<th>Rated voltage: 24VDC</th>
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### Technical data: input circuit
- Rated voltage / threshold voltage: 24 VDC
- Range of rated voltage min. / max.: 15V to 35VDC
- Input current during rated voltage: 10mA
- Status indicator: LED 3mm yellow

### Technical data: output circuit
- Range of switching voltage / motor voltage: 19V to 35VDC
- Max. permanent load current: 5A
- Impulse current: 10 A
- Switching frequency: 50 Hz by 5A
- Current sensing by short-circuit: 95A
- Switch-off time after short-circuit: 80 - 400 µs

### Other data
- Ambient temperature range: -20°C to +50°C
- Case: plastic IP20
- Absence of vibration a/r (10...500Hz): > 20 / 5
- Overload protection / short-circuit-proof / temperature monitoring: yes / yes / yes
- DIN VDE-determinations: VDE 0110, 0160 in parts
- Position of installation: can be snapped, addable
- Mode of connection: screw terminal
- Single wire: 4mm², fine wire 2,5mm²
- Dimensions: W x D x H: 22,5mm x 75mm x 105mm
Description

When blocking the control safe the motor for incorrect high current. If the motor current rise over the set Value (Tr1), the control switch off the motor with dynamical braking. By that at run-up of the Motor the Current Evaluation don’t respond, is a temporal adjustable fade-out function (Tr2) of protection during that time active. Rise at operation the Motor current over the setting Value, the Motor will switch-off and stay suspended till the next RESET. The Message Output (I-OUT) will set on HIGH (±VCC). LED red (ERR) lightning.
RESET-functions: - LOW (0V) at inputs A1 and A2.
- HIGH (±VCC) at input A3.