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

Implementation for switching current up to 6A. With speed control, current control, I x R compensation. With change of rotation.

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

Construction width: 67,5mm

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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.**: 19V to 35VDC
- **Input current during rated voltage**: 10mA
- **Analogue input - range of voltage**: 0V to 10VDC
- **Status indicator**: LED 3mm yellow

**Technical data: output circuit**
- **Range of switching voltage / motor voltage**: 19V to 35VDC
- **Max. permanent load current**: 6A
- **Current limitation min. / max.**: 1A to 6A
- **Speed range**: 0 - max.
- **Recommended motor choke**: 200µH / 6A
- **Power driver**: MOS-FET

**Other data**
- **Ambient temperature range**: -20°C to + 50°C
- **Absence of vibration a/r (10...500Hz)**: > 20 / 5
- **Overload protection / short-circuit-proof / mtemperature monitoring**: yes / yes / yes
- **DIN VDE-determinations**: VDE 0110, 0160 in parts
- **Position of installation / mounting**: can be snapped, addable
- **Mode of connection: screw terminal / pluggable**: single wire 4mm², fine wire 2,5mm²
- **Dimensions: W x D x H**: 67,5mm x 75mm x 110mm

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Description

The M-4Q-6-30 module is a motor control system for 24VDC motors with clockwise / anticlockwise. It ensures safe switching ON / OFF and the controlled driving and braking of motors at both direction of rotation. The load is short- circuit in OFF conditions which result in dynamical braking.

Special features:

Short circuit protection, temperature protection, overload protected, at Modus-Input can be choose, whether the Input 0V to 10VDC motor speed and Rev.-Input or the Differential Input +/- 10VDC are active, adjustable max. speed, lXr compensation, direct change of rotation.

Electrical connection and controls