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

Implementation for switching current up to 3A. With speed control. 2 quadranten operation.

To switch full speed to adjustable speed. (Tr.1)

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

Construction width: 22,5mm

<table>
<thead>
<tr>
<th>Short designation / type</th>
<th>Rated voltage: 24VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art. - No.</td>
<td>06.04.051</td>
</tr>
<tr>
<td>Technical data: input circuit</td>
<td></td>
</tr>
<tr>
<td>Rated voltage / threshold voltage</td>
<td>24 VDC</td>
</tr>
<tr>
<td>Range of rated voltage min. / max.</td>
<td>15V to 35VDC</td>
</tr>
<tr>
<td>Input current during rated voltage</td>
<td>10mA</td>
</tr>
<tr>
<td>Status indicator</td>
<td>LED 3mm</td>
</tr>
<tr>
<td>Technical data: output circuit</td>
<td>MOS-FET</td>
</tr>
<tr>
<td>Range of switching voltage / motor voltage</td>
<td>19V to 35VDC</td>
</tr>
<tr>
<td>Max. Permanent load current</td>
<td>3A- 5A je nach Schaltfrequenz</td>
</tr>
<tr>
<td>Current limitation max.</td>
<td>10 A</td>
</tr>
<tr>
<td>Time os switch-on current rise</td>
<td>80 - 400 μs</td>
</tr>
<tr>
<td>Speed control Tr.1</td>
<td>0 bis max. Speed</td>
</tr>
<tr>
<td>Other data</td>
<td></td>
</tr>
<tr>
<td>Ambient temperature range</td>
<td>-20°C to + 50°C</td>
</tr>
<tr>
<td>Absence of vibration a/r (10...500Hz)</td>
<td>&gt; 20 / 5</td>
</tr>
<tr>
<td>Overload protection, short-circuit-proof, temp. Monitoring</td>
<td>Yes/ yes/ yes</td>
</tr>
<tr>
<td>DIN VDE-determinations</td>
<td>VDE 0110, 0160 in parts</td>
</tr>
<tr>
<td>Position of installation / mounting</td>
<td>Can be snapped, addable</td>
</tr>
<tr>
<td>Mode of connection: screw terminal / pluggable</td>
<td>Single wire 4mm², fine wire 2,5mm²</td>
</tr>
<tr>
<td>Dimensions: W x D x H</td>
<td>22,5mm x 75mm x 105mm</td>
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</tbody>
</table>
Description

The M-MZ-4-30 module is a 2 quadranten motor control system for 24VDC motors. It ensures safe switching ON / OFF and the controlled driving and braking of motors. To switch full speed to adjustable speed.

Electrical connection and controls