Series PD3,5-T (3,5A) Stepper Motor with integrated Microstep - Constant Current Driver

Technical Data:
- Operating Voltage: DC 21 to 37 V
- max. Phase Current: 3.5 A / phase
- Current setting: via potentiometer
- Resolution: 200, 400, 1/4 = 800 (1600) steps/rev.
- Step mode setting: via BCD-switch
- Step frequency: 0 to 50 kHz
- Current down: automatically to approx. 30%
- Input signals: 0V active (diode input)
- Protective circuit: overvoltage
- Temperature range: 0 to +40 °C
- Connection type: via 5-pin circular connectors
- State of delivery: 1/2 step

Attention: A charging capacitor of at least 4.700 µF has to be provided in the supply voltage so that the permissible voltage is not exceeded during the braking process.

PIN Assignment

Input Circuit

Diode input

Function table

Abmessungen

Circuit suggestion (SPS connection)

Required Accessories

5-pin connecting cable or cable loom KS-PD56-2 (5)
(see "Accessories", page K6)

Ordering code:
PD3,5-T5618S3704-D

<table>
<thead>
<tr>
<th>Type</th>
<th>Holding Torque Ncm</th>
<th>Current per Phase</th>
<th>Winding</th>
<th>Operating Voltage</th>
<th>Step resolution</th>
<th>Weight kg</th>
<th>&quot;A&quot; mm</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD3,5-T5618S3704-D</td>
<td>60</td>
<td>3.5A</td>
<td>parallel</td>
<td>21-37 V DC</td>
<td>200; 400; 800</td>
<td>0.7</td>
<td>50.5</td>
<td>PLE.., E.., L.., B2</td>
</tr>
<tr>
<td>PD3,5-T5618C4004-D</td>
<td>120</td>
<td>3.5A</td>
<td>parallel</td>
<td>21-37 V DC</td>
<td>200; 400; 800</td>
<td>1.6</td>
<td>102</td>
<td>PLE.., E.., L.., B2</td>
</tr>
<tr>
<td>PD3,5-T5609C4204-D</td>
<td>100</td>
<td>3.5A</td>
<td>parallel</td>
<td>21-37 V DC</td>
<td>400; 800; 1600</td>
<td>1.6</td>
<td>102</td>
<td>PLE.., E.., L.., B2</td>
</tr>
</tbody>
</table>