SK TIE4-PE-M12-V2A

Connection extension
Protective earthing connection SK 200E size 1 - 3

Scope of delivery

<table>
<thead>
<tr>
<th>Qty</th>
<th>Item Description</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x</td>
<td>PE connection bit with O-ring</td>
<td></td>
</tr>
<tr>
<td>1 x</td>
<td>Hexagonal nut</td>
<td>M 8</td>
</tr>
<tr>
<td>1 x</td>
<td>Serrated lock washer</td>
<td>M 8</td>
</tr>
<tr>
<td>1 x</td>
<td>Washer</td>
<td>M 6</td>
</tr>
<tr>
<td>1 x</td>
<td>Spring lock washer</td>
<td>A 6</td>
</tr>
<tr>
<td>1 x</td>
<td>Hexagonal nut</td>
<td>M 6</td>
</tr>
</tbody>
</table>

Field of use

Optional protective earthing to meet the requirements for fixed installation according to DIN EN 61800-5-1 for conductor cross-sections up to 10 mm² (Cu) or as second protective earthing connection. Among other things, this is mandatory if a NORDAC Flex (SK 2xxE, size 1 to 3) frequency inverter is wall-mounted in ATEX Zone 22 / 3D. The PE connection bit is screwed into the left or right side of one of the 3 lower M12 option slots (6L to 8L or 6R to 8R) of the connection unit.

Dimensions

Installation / option locations

<table>
<thead>
<tr>
<th>Device series</th>
<th>Recommended option location</th>
<th>Option locations</th>
</tr>
</thead>
<tbody>
<tr>
<td>SK 200E Frequency inverter connecting unit SK TI4-x-2xx-x (-C)</td>
<td>6R / 6L, 7R / 7L, 8R / 8L</td>
<td></td>
</tr>
</tbody>
</table>
**Assembly**

1. **1st**
   Remove the M12 blind plug from one of the side option slots (right/left) of the frequency inverter.

2. **2nd**
   Fasten the *PE connection bit* into the connection unit with the *contact serrated lock washer* and the *M8 hexagon nut* (tightening torque 6 Nm).

3. **3rd**
   The protective earthing conductor with ring cable lug is fastened with the *washer*, the *spring lock washer* and the *M6 hexagon nut* to the outside of the *PE-connection bit* with a torque of 3 Nm.

**Further documentation** ([www.nord.com](http://www.nord.com))

<table>
<thead>
<tr>
<th>Document</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU 0200</td>
<td>SK 2xxE frequency inverter manual</td>
</tr>
<tr>
<td>TI 80-0019</td>
<td>The dimensioning of the protective earthing conductor</td>
</tr>
</tbody>
</table>