## Product data sheet

### Characteristics

**NG125 - circuit breaker - NG125A - 3P - 80A - C curve**

### Main

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range of product</td>
<td>NG125</td>
</tr>
<tr>
<td>Range</td>
<td>Acti 9</td>
</tr>
<tr>
<td>Product name</td>
<td>Acti 9 NG125</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Miniature circuit-breaker</td>
</tr>
<tr>
<td>Device short name</td>
<td>NG125a</td>
</tr>
<tr>
<td>Device application</td>
<td>Distribution</td>
</tr>
<tr>
<td>Poles description</td>
<td>3P</td>
</tr>
<tr>
<td>Number of protected poles</td>
<td>3</td>
</tr>
<tr>
<td>[In] rated current</td>
<td>80 A at 40 °C</td>
</tr>
<tr>
<td>Network type</td>
<td>AC and DC</td>
</tr>
<tr>
<td>Trip unit technology</td>
<td>Thermal-magnetic</td>
</tr>
<tr>
<td>Curve code</td>
<td>C</td>
</tr>
<tr>
<td>Breaking capacity</td>
<td>16 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz</td>
</tr>
<tr>
<td></td>
<td>8 kA Icu conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz</td>
</tr>
<tr>
<td></td>
<td>20 kA Icu conforming to EN/IEC 60947-2 - &lt;= 375 V DC</td>
</tr>
<tr>
<td>Utilisation category</td>
<td>Category A conforming to IEC 60947-2</td>
</tr>
<tr>
<td>Suitability for isolation</td>
<td>Yes conforming to IEC 60947-2</td>
</tr>
</tbody>
</table>

### Complementary

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network frequency</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>[Ue] rated operational voltage</td>
<td>&lt;= 375 V DC</td>
</tr>
<tr>
<td></td>
<td>380...415 V AC 50/60 Hz</td>
</tr>
<tr>
<td></td>
<td>500 V AC 50/60 Hz</td>
</tr>
<tr>
<td>Magnetic tripping limit</td>
<td>8 x In</td>
</tr>
<tr>
<td>[Ics] rated service breaking capacity</td>
<td>12 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz</td>
</tr>
<tr>
<td></td>
<td>6 kA at 75 % of breaking cap. conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz</td>
</tr>
<tr>
<td></td>
<td>20 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - 375 V DC</td>
</tr>
<tr>
<td>[Ui] rated insulation voltage</td>
<td>690 V AC 50/60 Hz conforming to EN/IEC 60947-2</td>
</tr>
<tr>
<td>[Uimp] rated impulse withstand voltage</td>
<td>8 kV conforming to EN/IEC 60947-2</td>
</tr>
<tr>
<td>Contact position indicator</td>
<td>Yes</td>
</tr>
<tr>
<td>Control type</td>
<td>Toggle</td>
</tr>
<tr>
<td></td>
<td>Manual tripping test</td>
</tr>
<tr>
<td>Local signalling</td>
<td>ON/OFF indication</td>
</tr>
</tbody>
</table>

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting mode</td>
<td>Trip indicator</td>
</tr>
<tr>
<td>Mounting support</td>
<td>Clip-on</td>
</tr>
<tr>
<td>Mounting support</td>
<td>35 mm symmetrical DIN rail</td>
</tr>
<tr>
<td>Comb busbar and distribution block compatibility</td>
<td>NO</td>
</tr>
<tr>
<td>9 mm pitches</td>
<td>9</td>
</tr>
<tr>
<td>Height</td>
<td>103 mm</td>
</tr>
<tr>
<td>Width</td>
<td>81 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>81 mm</td>
</tr>
<tr>
<td>Product weight</td>
<td>0.72 kg</td>
</tr>
<tr>
<td>Mechanical durability</td>
<td>20000 cycles</td>
</tr>
<tr>
<td>Electrical durability</td>
<td>5000 cycles</td>
</tr>
<tr>
<td>Provision for padlocking</td>
<td>Padlockable</td>
</tr>
<tr>
<td>Locking options description</td>
<td>Integrated padlocking</td>
</tr>
<tr>
<td>Connections - terminals</td>
<td>Tunnel type terminals 16...70 mm² rigid</td>
</tr>
<tr>
<td></td>
<td>Tunnel type terminals 10...50 mm² flexible</td>
</tr>
<tr>
<td>Wire stripping length</td>
<td>20 mm</td>
</tr>
<tr>
<td>Tightening torque</td>
<td>6 N.m</td>
</tr>
<tr>
<td>Earth-leakage protection</td>
<td>Separate block</td>
</tr>
<tr>
<td>Environment</td>
<td></td>
</tr>
<tr>
<td>Standards</td>
<td>EN/IEC 60947-2</td>
</tr>
<tr>
<td>IP degree of protection</td>
<td>IP20 conforming to IEC 60529</td>
</tr>
<tr>
<td>IK degree of protection</td>
<td>IK05 conforming to EN/IEC 62262</td>
</tr>
<tr>
<td>Pollution degree</td>
<td>3 conforming to IEC 60947-2</td>
</tr>
<tr>
<td>Overvoltage category</td>
<td>IV</td>
</tr>
<tr>
<td>Tropicalisation</td>
<td>2 conforming to IEC 60068-1</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>95 % 55 °C</td>
</tr>
<tr>
<td>Ambient air temperature for operation</td>
<td>-30...70 °C</td>
</tr>
<tr>
<td>Ambient air temperature for storage</td>
<td>-40...70 °C</td>
</tr>
</tbody>
</table>

**Contractual warranty**

Warranty period 18 months