Product Data Sheet: DEHNguard® modular

**DG M TN 150 FM (952 206)**

- Prewired complete unit consisting of a base part and plug-in protection modules
- High discharge capacity due to heavy-duty zinc oxide varistors / spark gaps
- High reliability due to "Thermo Dynamic Control" SPD monitoring device

![Figure without obligation](image1)

**Basic circuit diagram DG M TN 150 FM**

**Dimension drawing DG M TN 150 FM**

Modular surge arrester for use in single-phase TN systems, with floating remote signalling contact.

**Type**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>DG M TN 150 FM 952 206</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPD according to EN 61643-11 / IEC 61643-11</td>
<td>type 2 / class II</td>
</tr>
<tr>
<td>Energy coordination with terminal equipment (≤ 10 m)</td>
<td>type 2 + type 3</td>
</tr>
<tr>
<td>Nominal voltage (a.c.) (U_N)</td>
<td>120V (50 / 60 Hz)</td>
</tr>
<tr>
<td>Max. continuous operating voltage (a.c.) (U_L)</td>
<td>150V (50 / 60 Hz)</td>
</tr>
<tr>
<td>Nominal discharge current (8/20 µs) (I_n)</td>
<td>15 kA</td>
</tr>
<tr>
<td>Max. discharge current (8/20 µs) (I_max)</td>
<td>40 kA</td>
</tr>
<tr>
<td>Voltage protection level [L-PE]/[N-PE] (U_P)</td>
<td>≤ 0.7 / ≤ 0.7 kV</td>
</tr>
<tr>
<td>Voltage protection level [L-PE] / [N-PE] at 5 kA (U_P)</td>
<td>≤ 0.55 / ≤ 0.55 kV</td>
</tr>
<tr>
<td>Response time (t_A)</td>
<td>≤ 25 ns</td>
</tr>
<tr>
<td>Max. mains-side overcurrent protection</td>
<td>125 A gG</td>
</tr>
<tr>
<td>Short-circuit withstand capability for max. mains-side overcurrent protection (I_{SCCR})</td>
<td>50 kA_{rms}</td>
</tr>
<tr>
<td>Temporary overvoltage (TOV) (U_T) – Characteristic</td>
<td>175 V / 5 sec. – withstand</td>
</tr>
<tr>
<td>Temporary overvoltage (TOV) (U_T) – Characteristic</td>
<td>230 V / 120 min. – safe failure</td>
</tr>
<tr>
<td>Operating temperature range (T_U)</td>
<td>-40 °C ... +80 °C</td>
</tr>
<tr>
<td>Operating state / fault indication</td>
<td>green / red</td>
</tr>
<tr>
<td>Number of ports</td>
<td>1</td>
</tr>
<tr>
<td>Cross-sectional area (min.)</td>
<td>1.5 mm² solid / flexible</td>
</tr>
<tr>
<td>Cross-sectional area (max.)</td>
<td>35 mm² stranded / 25 mm² flexible</td>
</tr>
<tr>
<td>For mounting on</td>
<td>35 mm DIN rails acc. to EN 60715</td>
</tr>
<tr>
<td>Enclosure material</td>
<td>thermoplastic, red, UL 94 V-0</td>
</tr>
<tr>
<td>Place of installation</td>
<td>indoor installation</td>
</tr>
<tr>
<td>Degree of protection</td>
<td>IP 20</td>
</tr>
<tr>
<td>Capacity</td>
<td>2 module(s), DIN 43880</td>
</tr>
<tr>
<td>Approvals</td>
<td>KEMA, UL</td>
</tr>
<tr>
<td>Type of remote signalling contact</td>
<td>changeover contact</td>
</tr>
<tr>
<td>Switching capacity (a.c.)</td>
<td>250 V / 0.5 A</td>
</tr>
<tr>
<td>Switching capacity (d.c.)</td>
<td>250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A</td>
</tr>
<tr>
<td>Cross-sectional area for remote signalling terminals</td>
<td>max. 1.5 mm² solid / flexible</td>
</tr>
<tr>
<td>Weight</td>
<td>217 g</td>
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<tr>
<td>Customs tariff number (Comb. Nomenclature EU)</td>
<td>85363030</td>
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<tr>
<td>GTIN</td>
<td>4013364123922</td>
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<tr>
<td>PU</td>
<td>1 pc(s)</td>
</tr>
</tbody>
</table>

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.