Product Data Sheet: DEHNguard® modular

DG M H TT 275 (952 381)

- 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

Modular surge arrester with an increased discharge capacity for TT and TN-S systems (3+1 configuration).

**Type**

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<th>Part No.</th>
<th>DG M H TT 275 952 381</th>
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- SPD according to EN 61643-11 / IEC 61643-11: type 2 / class II
- Energy coordination with terminal equipment (≤ 10 m): type 2 + type 3
- Nominal voltage (a.c.) (U<sub>n</sub>): 230 / 400 V (50 / 60 Hz)
- Max. continuous operating voltage (a.c.) [L-N] (U<sub>C</sub>): 275 V (50 / 60 Hz)
- Max. continuous operating voltage (a.c.) [N-PE] (U<sub>C</sub>): 255 V (50 / 60 Hz)
- Nominal discharge current (8/20 µs) [L-N] (I<sub>n</sub>): 20 kA
- Nominal discharge current (8/20 µs) [N-PE] (I<sub>n</sub>): 80 kA
- Max. discharge current (8/20 µs) [L-N] (I<sub>max</sub>): 40 kA
- Max. discharge current (8/20 µs) [N-PE] (I<sub>max</sub>): 120 kA
- Voltage protection level [L-N]/[N-PE] (U<sub>P</sub>): ≤ 1.5 / ≤ 1.5 kV
- Voltage protection level [L-N] / [N-PE] at 5 kA (U<sub>P</sub>): ≤ 1 / ≤ 1.5 kV
- Follow current extinguishing capability [N-PE] (I<sub>fi</sub>): 100 A
- Response time [L-N] (t<sub>A</sub>): ≤ 25 ms
- Response time [N-PE] (t<sub>A</sub>): ≤ 100 ns
- Max. mains-side overcurrent protection: 125 A
- Short-circuit withstand capability for max. mains-side overcurrent protection (I<sub>SCCR</sub>): 50 kA
- Temporary overvoltage (TOV) [L-N] (U<sub>T</sub>): Characteristic 335 V / 5 sec. – withstand
- Temporary overvoltage (TOV) [L-N] (U<sub>T</sub>): Characteristic 440 V / 120 min. – safe failure
- Temporary overvoltage (TOV) [N-PE] (U<sub>T</sub>): Characteristic 1200 V / 200 ms – withstand
- Operating temperature range (T<sub>o</sub>): -40 °C ... +80 °C
- Operating state / fault indication: green / red
- Number of ports: 1
- Cross-sectional area (min.): 1.5 mm<sup>2</sup> solid / flexible
- Cross-sectional area (max.): 35 mm<sup>2</sup> stranded / 25 mm<sup>2</sup> flexible
- For mounting on: 35 mm DIN rails acc. to EN 60715
- Enclosure material: thermoplastic, red, UL 94 V-0
- Place of installation: indoor installation
- Degree of protection: IP 20
- Capacity: 4 module(s), DIN 43880
- Approvals: KEMA
- Weight: 405 g
- Customs tariff number (Comb. Nomenclature EU): 85363030
- GTIN: 8713364318144
- PU: 1 pc(s)

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.