Product Data Sheet: DEHNguard® modular

DG M TT 2P 385 FM (952 116)

- 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 for single-phase TT and TN systems (1+1 configuration); with floating remote signalling contact.

**Type**

<table>
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<tr>
<th>Part No.</th>
<th>DG M TT 2P 385 FM 952 116</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.) \(U_N\)  
  230 V (50 / 60 Hz)
- Max. continuous operating voltage (a.c.) \([\text{L-N}] (U_c)\)  
  385 V (50 / 60 Hz)
- Max. continuous operating voltage (a.c.) \([\text{N-PE}] (U_c)\)  
  255 V (50 / 60 Hz)
- Nominal discharge current (8/20 µs) \(I_n\)  
  20 kA
- Max. discharge current (8/20 µs) \(I_{\text{max}}\)  
  40 kA
- Lightning impulse current (10/350 µs) \([\text{N-PE}] (I_{\text{imp}})\)  
  12 kA
- Voltage protection level \([\text{L-N}] [\text{N-PE}] (U_P)\)  
  ≤ 1.75 / ≤ 1.5 kV
- Voltage protection level \([\text{L-N}] [\text{N-PE}]\) at 5 kA \(U_P\)  
  ≤ 1.35 / ≤ 1.5 kV
- Follow current extinguishing capability \([\text{N-PE}] (I_{fi})\)  
  100 A rms
- Response time \([\text{L-N}] (t_A)\)  
  ≤ 25 ns
- Response time \([\text{N-PE}] (t_A)\)  
  ≤ 100 ns
- Max. mains-side overcurrent protection  
  125 A gG
- Short-circuit withstand capability for max. mains-side overcurrent protection \(I_{\text{SCCR}}\)  
  25 kA max
- Temporary overvoltage (TOV) \([\text{L-N}] (U_p)\) – Characteristic  
  335 V / 5 sec. – withstand
- Temporary overvoltage (TOV) \([\text{L-N}] (U_p)\) – Characteristic  
  440 V / 120 min. – withstand
- Temporary overvoltage (TOV) \([\text{N-PE}] (U_p)\) – Characteristic  
  1200 V / 200 ms – withstand
- Operating temperature range \(T_U\)  
  -40 °C ... +80 °C
- Operating state / fault indication  
  green / red
- Number of ports  
  1
- Cross-sectional area (min.)  
  1.5 mm² solid / flexible
- Cross-sectional area (max.)  
  35 mm² stranded / 25 mm² 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  
  2 module(s), DIN 43880
- Approvals  
  KEMA
- Type of remote signalling contact  
  changeover contact
- Switching capacity (a.c.)  
  250 V / 0.5 A
- Switching capacity (d.c.)  
  250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A
- Cross-sectional area for remote signalling terminals  
  max. 1.5 mm² solid / flexible
- Extended technical data:  
  Voltage protection level \([\text{L-PE}] (U_P)\)  
  2.0 kV
- Weight  
  236 g
- Customs tariff number (Comb. Nomenclature EU)  
  85363030
- GTIN  
  4013364119413
- 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.