## **POWER SUPPLY SYSTEMS**

## DEHNguard® T / DEHNguard® T FM





Dimension drawing DG T ...

Basic circuit diagram DG T ...

DG T ...: Single-pole, pluggable surge arrester, consisting of a base part and plug-in protection module

## High discharge capacity due to powerful zinc oxide varistor

Quick response

Two-part unit, consisting of a base part and plug-in protection component

High reliability due to "Thermo Dynamic Control" disconnector

Energy-coordinated within the Red/Line product family

Fault indication by red mark in the inspection window

Small (modular) design acc. to DIN 43880

Multifunctional terminals for connecting conductors and busbars

	DG T 75	
SPD according to EN 61643-11	Type 2	
SPD according to IEC 61643-1	Class II	
Max. continuous operating a.c. voltage [U <sub>Cl</sub>	75 V	
Max. continuous operating d.c. voltage [U <sub>C]</sub>	100 V	
Nominal discharge current (8/20 µs) [I <sub>n]</sub>	10 kA	
Max. discharge current (8/20 µs) [I <sub>max]</sub>	40 kA	
Voltage protection level [U <sub>P]</sub>	≤ 0.4 kV	
Voltage protection level for 5 kA [U <sub>P]</sub>	≤ 0.35 kV	
Response time [t <sub>A]</sub>	≤ 25 ns	
Max. mains-side overcurrent protection	125 A gL/gG	
Short circuit withstand capability for max. mains-side overcurrent protection	50 kA <sub>rms</sub>	
Operating temperature range [T <sub>U]</sub>	-40°C+80°C	
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 rail acc. to EN 60715	
Enclosure material	thermoplastic, red, UL 94 V-0	
Location	indoor	
Degree of protection	IP 20	
Dimension	1 mod., DIN 43880	
Approvals, Certifications	KEMA, VDE, UL, CSA	
Ordering information		
Type Part No.	DG T 75	
Packing unit	1 pc	

We reserve the right to modify design, technology, dimensions, weights and materials according to technical progress. Illustrations are non-binding. Pictures may differ from the modules described.