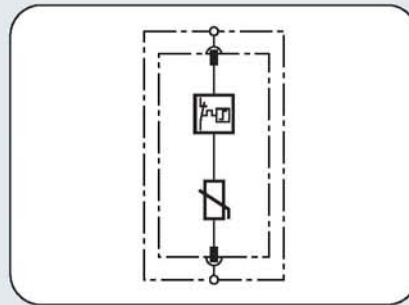


Dimension drawing DG T ...



Basic circuit diagram DG T...



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

	DG T 75	DG T 150	DG T 275	DG T 320	DG T 385	DG T 440	DG T 600
SPD according to EN 61643-11	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2
SPD according to IEC 61643-1	Class II	Class II	Class II	Class II	Class II	Class II	Class II
Classification according to E DIN VDE 0675-6	C	C	C	C	C	C	C
Max. continuous ac voltage U_C	75 V	150 V	275 V	320 V	385 V	440 V	600 V
Max. continuous dc voltage U_C	100 V	200 V	350 V	420 V	500 V	585 V	600 V
Nominal discharge current (8/20) I_n	10 kA	15 kA	20 kA	20 kA	20 kA	20 kA	15 kA
Max. discharge current (8/20) I_{max}	40 kA	40 kA	40 kA	40 kA	40 kA	40 kA	30 kA
Voltage protection level U_P	≤ 0.4 kV	≤ 0.7 kV	≤ 1.25 kV	≤ 1.5 kV	≤ 1.75 kV	≤ 2 kV	≤ 2.5 kV
Voltage protection level at 5 kA U_P	≤ 0.35 kV	≤ 0.55 kV	≤ 1 kV	≤ 1.2 kV	≤ 1.35 kV	≤ 1.7 kV	≤ 2 kV
Response time t_A	≤ 25 ns	≤ 25 ns	≤ 25 ns	≤ 25 ns	≤ 25 ns	≤ 25 ns	≤ 25 ns
Max. mains-side overcurrent protection	125 A gL/gG	125 A gL/gG	125 A gL/gG	125 A gL/gG	125 A gL/gG	125 A gL/gG	100 A gL/gG
Short circuit withstand capability at max. mains-side overcurrent protection	50 kA _{rms}	50 kA _{rms}	50 kA _{rms}	25 kA _{rms}	25 kA _{rms}	25 kA _{rms}	25 kA _{rms}
TOV voltage U_T	—	—	335 V / 5 sec.	335 V / 5 sec.	—	—	—
Operating temperature range T_U	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C	-40°C...+80°C
Cross-sectional area (min.)	1.5 mm ² solid / flexible						
Cross-sectional area (max.)	35 mm ² stranded / 25 mm ² flexible						
Mounting on	35 mm DIN rail EN 60715						
Enclosure material	red thermoplastic, UL 94 V-0						
Degree of protection	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Dimension	1 mod., DIN 43880	1 mod., DIN 43880	1 mod., DIN 43880	1 mod., DIN 43880	1 mod., DIN 43880	1 mod., DIN 43880	1 mod., DIN 43880
Approvals, Certifications	KEMA, VDE, UL	KEMA, VDE, UL	KEMA, VDE, UL	KEMA, VDE, UL	KEMA, VDE, UL	KEMA, VDE, UL	KEMA, VDE, UL
Ordering information							
Type	DG T 75	DG T 150	DG T 275	DG T 320	DG T 385	DG T 440	DG T 600
Part No.	900 654	900 653	900 650	900 652	900 641	900 655	900 651
Packing unit	1 pc(s)	1 pc(s)	1 pc(s)	1 pc(s)	1 pc(s)	1 pc(s)	1 pc(s)

Accessory Part for DEHNguard® T / DEHNguard® T ... FM

Varistor-based Protection Module

Type	T 75	T 150	T 275	T 320	T 385	T 440	T 600
Nominal discharge current (8/20)	10 kA	15 kA	20 kA	20 kA	20 kA	20 kA	15 kA
Max. continuous ac voltage	75 V	150 V	275 V	320 V	385 V	440 V	600 V
Max. continuous dc voltage	100 V	200 V	350 V	420 V	500 V	585 V	600 V

Type	PU pc(s)	Part No.
T 75	1	900 674
T 150	1	900 673
T 275	1	900 670
T 320	1	900 672
T 385	1	900 679
T 440	1	900 675
T 600	1	900 671

