



DEHN + SÖHNE

Is your surge arrester capable of thinking?

DEHNguard® T H LI, the surge arrester family with *Pro Active Thermo Control*, the intelligent monitoring system.



Green

Surge protection
alright

Yellow

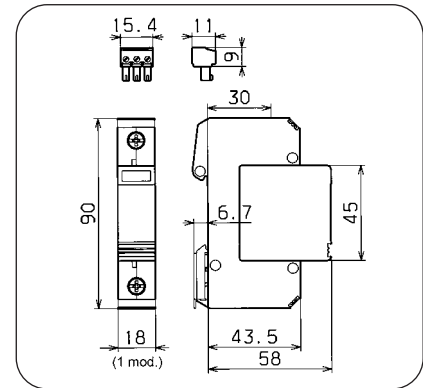
Module exchange
recommended

Red

Exchange the mo-
dule immediately



- Clear state indication due to 3-stage service life indicator with linked remote signalling unit
- SPD controlled by "Pro-Active Thermo Control"
- Request in due time for exchanging the protection module before risk of upcoming overloads on the SPD
- Max. discharge capacity 65 kA (8/20) due to powerful zinc oxide varistor
- Two-part unit, consisting of a base element and plugged-in protection module
- Allows for energy coordination with upstream lightning current arrester, e.g. DEHNbloc Maxi
- Multifunctional terminals for connection of conductors and busbars



Dimension drawing DG T H ... LI

Single-pole, pluggable surge arrester, consisting of a base part and pluggable protection module with 3-stage visual indicator

	DG T H 275 LI	DG T H 385 LI
SPD according to EN 61643-11	Type 2	Type 2
SPD according to IEC 61643-1	Class II	Class II
Classification according to E DIN VDE 0675-6	C	C
Max. continuous ac voltage U_c	275 V	385 V
Max. continuous dc voltage U_c	350 V	500 V
Nominal discharge current (8/20) I_n	20 kA	20 kA
Max. discharge current (8/20) I_{max}	65 kA	65 kA
Voltage protection level U_p	≤ 1.25 kV	≤ 1.75 kV
Voltage protection level at 5 kA U_p	≤ 1 kV	≤ 1.35 kV
Response time t_A	≤ 25 ns	≤ 25 ns
Max. mains-side overcurrent protection	160 A gL/gG	160 A gL/gG
Short circuit withstand capability at max. mains-side overcurrent protection	20 kA _{rms}	20 kA _{rms}
TOV voltage U_T	335 V / 5 sec.	385 V / 5 sec.
Operating temperature range T_U	-40°C...+60°C	-40°C...+60°C
Cross-sectional area (min.)	1.5 mm ² solid / flexible	1.5 mm ² solid / flexible
Cross-sectional area (max.)	35 mm ² stranded / 25 mm ² flexible	35 mm ² stranded / 25 mm ² flexible
Mounting on	35 mm DIN rail acc. to EN 60715	35 mm DIN rail acc. to EN 60715
Enclosure material	red thermoplastic, UL 94 V-0	red thermoplastic, UL 94 V-0
Degree of protection	IP 20	IP 20
Dimension	1 mod., DIN 43880	1 mod., DIN 43880
Type of remote signalling contact	changeover contact	changeover contact
Switching capacity ac	250 V / 0.5 A	250 V / 0.5 A
Switching capacity dc	250 V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5 A	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 mm ² solid / flexible	max. 1.5 mm ² solid / flexible
Visual indication	green-yellow-red	green-yellow-red
Ordering information		
Type	DG T H 275 LI	DG T H 385 LI
Part No.	950 120	950 121
Packing unit	1 pc(s)	1 pc(s)

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Multipole Surge Protective Devices



DG TT H230 400 LI

	DG TNC H230 400 LI	DG TNS H230 400 LI	DG TT H230 400 LI	DG TT H230 400 LI385
Complete unit for	TN-C systems	TN(C)-S systems	TT and TN-S systems	TT and TN-S systems
Ordering information				
Type	DG TNC H230 400 LI	DG TNS H230 400 LI	DG TT H230 400 LI	DG TT H230 400 LI385
Part No.	950 160	950 170	950 150	950 151
Packing unit	1 pc(s)	1 pc(s)	1 pc(s)	1 pc(s)