

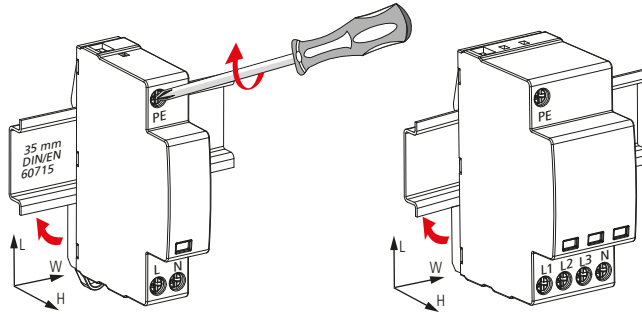
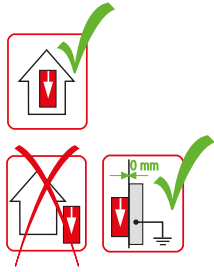
DEHNguard DG TT 2P 5 275, DG TT 5 275

DE Einbauanleitung
GB Installation instructions
IT Istruzioni di montaggio
FR Instructions de montage
NL Montagehandleiding
ES Instrucciones de montaje
PT Instruções de montagem
DK Monteringsvejledning
SE Monteringsanvisning
FI Asennusohje
GR Οδηγίες συναρμολόγησης
PL Instrukcja montażu
CZ Montážní návod
TR Kurulum Talimatları
RU Инструкция по монтажу
CN 安装说明
HU Szerelési útmutató
JP 設置説明書



II IEC 61643-11...
2 EN 61643-11...

PZ 2 (1.2 Nm)

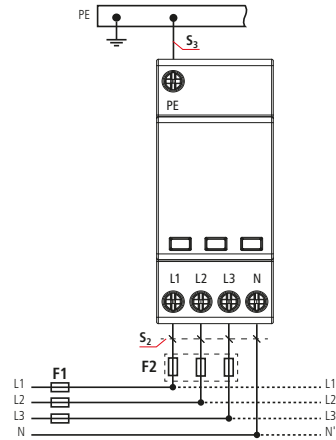
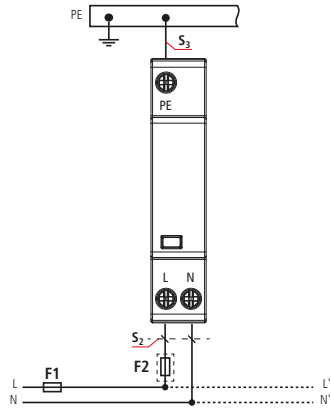


	DG TT 2P 5 275	DG TT 5 275
U_N / Tol.: $\pm 10\%$	230 V	230 V / 400 V
U_C	275 V (L $\Rightarrow$ N); 255 V (N $\Rightarrow$ PE)	
f_N	50 / 60 Hz	
max.	MCB C 63 A	
I_{SCCR}	6 kA _{rms}	
I_{fi}	100 A (N $\Rightarrow$ PE)	
I_{max} 8/20 μ s	15 kA (L $\Rightarrow$ N); 40 kA (N $\Rightarrow$ PE)	
θ	-40°C ... + 80°C	
ϕ	5% ... 95%	
I_{PE}	< 10 μ A	
IP ¹⁾	20	
L x W x H	85 mm x 18 mm x 65 mm	85 mm x 36 mm x 65 mm

min. L, N, PE	0.75 mm ²	
max. L, N, PE	6 mm ²	10 mm ²

TT / TN DG TT 2P 5 275

TT / TN-S DG TT 5 275



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DG TT 2P 5 275
DG TT 5 275

F1	F1 $\leq$ MCB C 63 A
F2	F1 > MCB C 63 A
	F2 $\leq$ MCB C 63 A

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DG TT 2P 5 275
DG TT 5 275

F1 A gG	S ₂ / mm ²	S ₃ / mm ²	F2 A gG
25	4	6	---
35	4	6	---
40	4	6	---
50	6	6	---
63	10	10	---
> 63	10	10	63

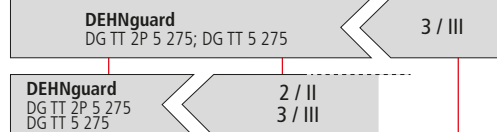
LPZ 0_A

LPZ 0_B

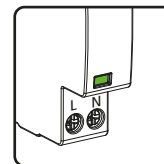
LPZ 1

LPZ 2

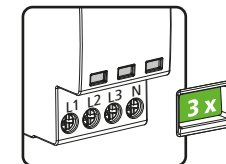
LPZ 3



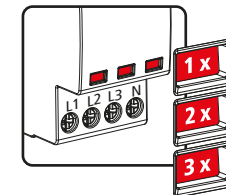
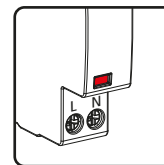
DG TT 2P 5 275



DG TT 5 275



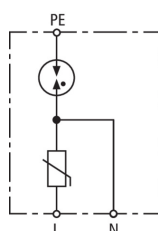
DEHNguard
DG TT 2P 5 275
DG TT 5 275



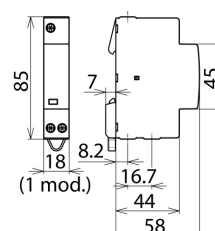
DG TT 2P 5 275 (900 450)



Figure without obligation



Basic circuit diagram DG TT 2P 5 275



Dimension drawing DG TT 2P 5 275

Type	DG TT 2P 5 275
Part No.	900 450
SPD according to EN 61643-11	type 2
Energy coordination with terminal equipment (≤ 10 m)	type 2 + type 3
Power supply system	single-phase TT / TN system
Nominal voltage (a.c.) (U_n)	230 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) [L-N] (U_c)	275 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) [N-PE] (U_c)	255 V (50 / 60 Hz)
Follow current extinguishing capability [N-PE] (I_n)	100 A
Nominal discharge current (8/20 μ s) [L-N] (I_n)	5 kA
Nominal discharge current (8/20 μ s) [N-PE] (I_n)	20 kA
Max. discharge current (8/20 μ s) [L-N] (I_{max})	15 kA
Max. discharge current (8/20 μ s) [N-PE] (I_{max})	40 kA
Voltage protection level (U_p)	≤ 1.5 kV
Protective conductor current (I_{PE})	≤ 5 μ A
Response time [L-N] (t_A)	≤ 25 ns
Response time [N-PE] (t_A)	≤ 100 ns
Max. mains-side overcurrent protection	MCB C 63 A
Short-circuit withstand capability (I_{SCCR})	6 kA
Temporary overvoltage (TOV) [L-N] (U_T) – Characteristic (U_T)	335 V / 5 sec. – withstand
Temporary overvoltage (TOV) [L-N] (U_T) – Characteristic (U_T)	440 V / 120 min. – safe failure
Temporary overvoltage (TOV) [N-PE] (U_T) – Characteristic (U_T)	1200 V / 200 ms. – withstand
Operating temperature range	-40 °C ... +80 °C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area, solid / flexible (min.)	0.75 mm ²
Cross-sectional area, solid / flexible (max.)	10 mm ² / 6 mm ²
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	1 module(s), DIN 43880
Approvals	KEMA
Weight	77 g
Customs tariff number (Comb. Nomenclature EU)	85363030
GTIN	4013364157989
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.