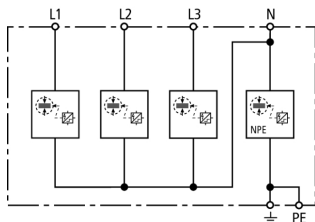


DSH TT 255 (941 310)

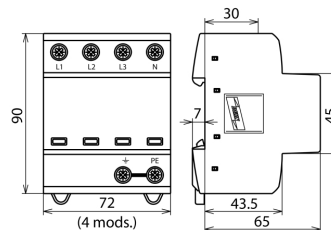
Application-optimised prewired spark-gap-based combined lightning current and surge arrester
 Space-saving arrester for compact and simply equipped electrical installations with reduced technical requirements
 Capable of protecting terminal equipment



Figure without obligation



Basic circuit diagram DSH TT 255



Dimension drawing DSH TT 255

Application-optimised prewired combined lightning current and surge arrester for TT and TN-S systems ("3+1" circuit)

Type	DSH TT 255
Part No.	941 310
SPD according to EN 61643-11 / IEC 61643-1/-11	Type 1 / Class I
Energy coordination with terminal equipment	Type 1 + Type 2
Energy coordination with terminal equipment (≤ 5 m)	Type 1 + Type 2 + Type 3
Nominal a.c. voltage (U _N)	230 / 400 V
Max. continuous operating a.c. voltage (U _C)	255 V
Lightning impulse current (10/350 μs) [L1+L2+L3+N-PE] (I _{total})	50 kA
Specific energy [L1+L2+L3+N-PE] (W/R)	625.00 kJ/ohms
Lightning impulse current (10/350 μs) [L-N]/[N-PE] (I _{imp})	12.5 / 50 kA
Specific energy [L-N]/[N-PE] (W/R)	39.06 / 625.00 kJ/ohms
Nominal discharge current (8/20 μs) [L-N]/[N-PE] (I _n)	12.5 / 50 kA
Voltage protection level [L-N]/[N-PE] (U _p)	≤ 1.5 / ≤ 1.5 kV
Follow current extinguishing capability [L-N]/[N-PE] (I _e)	25 kA _{rms} / 100 A _{rms}
Follow current limitation/Selectivity	no tripping of a 32 A gL/gG fuse up to 25 kA _{rms} (prosp.)
Response time (t _a)	≤ 100 ns
Max. mains-side overcurrent protection	160 A gL/gG
Temporary overvoltage (TOV) [L-N] (U _T)	440 V / 5 sec.
Temporary overvoltage (TOV) [N-PE] (U _T)	1200 V / 200 ms
TOV characteristic	withstand
Operating temperature range (T _U)	-40 °C...+80 °C
Operating state/fault indication	green / red
Number of ports	1
Cross-sectional area (L1, L2, L3, N, PE, ⚡) (min.)	1.5 mm ² solid/flexible
Cross-sectional area (L1, L2, L3, N, PE, ⚡) (max.)	35 mm ² stranded/25 mm ² 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	4 module(s), DIN 43880
Approvals	KEMA
Weight	480 g
Customs tariff number	85363030
GTIN	4013364131798
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.