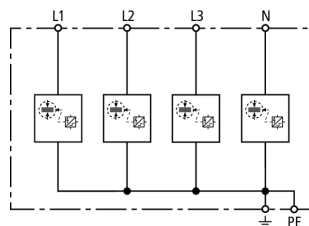


## DSH TNS 255 (941 400)

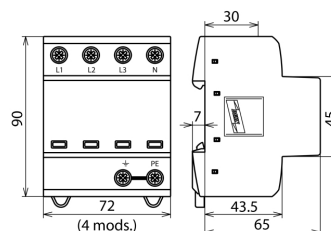
- Application-optimised and prewired type 1 and type 2 spark-gap-based combined lightning current and surge arrester
- Space-saving arrester for compact and simply equipped electrical installations with reduced technical requirements
- Capable of protecting terminal equipment



Figure without obligation



Basic circuit diagram DSH TNS 255



Dimension drawing DSH TNS 255

Application-optimised and prewired combined lightning current and surge arrester for TN-S systems.

Type	DSH TNS 255
Part No.	941 400
SPD according to EN 61643-11 / IEC 61643-11	type 1 + type 2 / class I + class II
Energy coordination with terminal equipment ( $\leq 5$ m)	type 1 + type 2 + type 3
Nominal a.c. voltage ( $U_N$ )	230 / 400 V (50 / 60 Hz)
Max. continuous operating a.c. voltage ( $U_C$ )	255 (50 / 60 Hz)
Lightning impulse current (10/350 $\mu$ s) [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 $\mu$ s) [L, N-PE] ( $I_{imp}$ )	12.5 kA
Specific energy [L,N-PE] (W/R)	39.06 kJ/ohms
Nominal discharge current (8/20 $\mu$ s) [L/N-PE]/[L1+L2+L3+N-PE] ( $I_n$ )	12.5 / 50 kA
Voltage protection level [L-PE]/[N-PE] ( $U_p$ )	$\leq 1.5$ / $\leq 1.5$ kV
Follow current extinguishing capability a.c. ( $I_n$ )	25 kA <sub>rms</sub>
Follow current limitation / Selectivity	no tripping of a 32 A gL/gG fuse up to 25 kA <sub>rms</sub> (prosp.)
Response time ( $t_d$ )	$\leq 100$ ns
Max. mains-side overcurrent protection	160 A gL/gG
Temporary overvoltage (TOV) [L-N] ( $U_T$ ) – Characteristic	440 V / 120 min. – 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, $\oplus$ ) (min.)	1.5 mm <sup>2</sup> solid / flexible
Cross-sectional area (L1, L2, L3, N, PE, $\oplus$ ) (max.)	35 mm <sup>2</sup> stranded / 25 mm <sup>2</sup> 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, VDE, UL
Weight	525 g
Customs tariff number	85363030
GTIN	4013364133563
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.