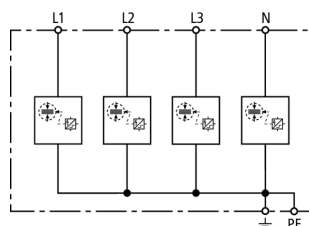


## DSH TNS 255 (941 400)

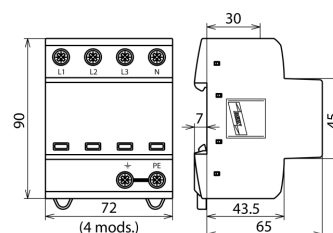
Application-optimised prewired spark-gap-based combined lightning current and surge arrester  
 Space-saving arrester for compact and simply equipped electrical installations with reduced technical requirements  
 Capable of protecting terminal equipment



Figure without obligation



Basic circuit diagram DSH TNS 255



Dimension drawing DSH TNS 255

Application-optimised 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 61643-1/-11	Type 1 / Class I
Energy coordination with terminal equipment	Type 1 + Type 2
Energy coordination with terminal equipment ( $\leq 5$ 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 $\mu$ 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) ( $I_n$ )	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. ( $I_{fi}$ )	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 ( $t_A$ )	$\leq 100$ ns
Max. mains-side overcurrent protection	160 A gL/gG
Temporary overvoltage (TOV) [L-N] ( $U_T$ )	440 V / 5 sec.
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, $\pm$ ) (min.)	1.5 mm <sup>2</sup> solid/flexible
Cross-sectional area (L1, L2, L3, N, PE, $\pm$ ) (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
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.