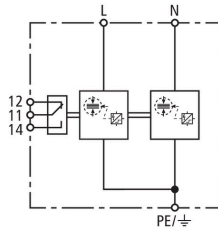


**NEW DSH B TN 255 FM (941 206)**

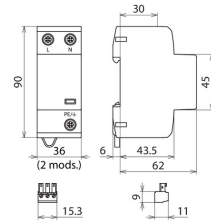
- Application-optimised and prewired spark-gap-based type 1 and type 2 combined lightning current and surge arrester
- Compact design due to space-saving spark gap technology with a width of only 1 module / pole
- Allows protection of terminal equipment



Figure without obligation



Basic circuit diagram DSH B TN 255 FM



Dimension drawing DSH B TN 255 FM

Application-optimised and prewired combined lightning current and surge arrester for single-phase TN systems for use in the main power supply system (2+0 configuration) in case of residential buildings without external lightning protection system (also in case of buildings supplied by overhead lines); with floating remote signalling contact.

Type	DSH B TN 255 FM
Part No.	941 206 <small>NEW</small>
SPD according to EN 61643-11 / IEC 61643-11	type 1 + type 2 / class I + class II
Energy coordination with terminal equipment (≤ 10 m)	type 1 + type 2 + type 3
Nominal voltage (a.c.) (U <sub>n</sub> )	230 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) (U <sub>c</sub> )	255 V (50 / 60 Hz)
Lightning impulse current (10/350 μs) [L+N-PE] (I <sub>total</sub> )	15 kA
Lightning impulse current (10/350 μs) [L, N-PE] (I <sub>imp</sub> )	7.5 kA
Nominal discharge current (8/20 μs) [L/N-PE]/[L+N-PE] (I <sub>n</sub> )	12.5 / 25 kA
Voltage protection level [L-PE]/[N-PE] (U <sub>p</sub> )	≤ 1.5 / ≤ 1.5 kV
Follow current extinguishing capability (a.c.) (I <sub>n</sub> )	25 kA <sub>rms</sub>
Follow current limitation / Selectivity	no tripping of a 32 A gG fuse up to 25 kA <sub>rms</sub> (prosp.)
Response time (t <sub>a</sub> )	≤ 100 ns
Max. mains-side overcurrent protection	160 A gG
Temporary overvoltage (TOV) [L-N] (U <sub>T</sub> ) – Characteristic	440 V / 120 min. – withstand
Operating temperature range (T <sub>u</sub> )	-40 °C ... +80 °C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (L, N, PE, ⚡) (min.)	1.5 mm <sup>2</sup> solid / flexible
Cross-sectional area (L, N, PE, ⚡) (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	2 module(s), DIN 43880
Type of remote signalling contact	changeover contact
Switching capacity (a.c.)	250 V / 0.5 A
Switching capacity (d.c.)	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 <sup>2</sup> solid / flexible
Weight	260 g
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364373839
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.