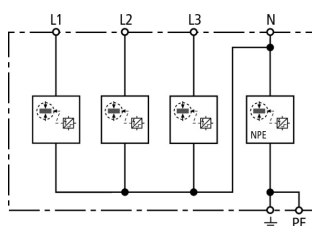


## DSP 12 SH 415 TT (902 685)

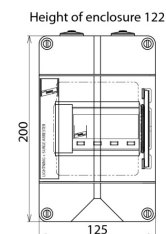
- Ready-to-install equipment for use acc. to the lightning protection zone concept as required in BS EN 62305-4
- Quick and easy installation, application-optimised combined lightning current and surge arrester
- High lightning current discharge capacity  $I_{imp}$  up to 50 kA (10/350  $\mu$ s)
- Coordinated lightning current and surge arrester
- Operating state / fault indication by indicator flag in the inspection window
- Enclosure with transparent cover, degree of protection: IP 65



Figure without obligation



Basic circuit diagram DSP 12 SH 415 TT



Dimension drawing DSP 12 SH 415 TT

Mains connection box kit for three-phase 240/415 V TT and TN-S systems consisting of an IP 65 enclosure equipped with DEHNshield surge arrester (Part No. 941 310).

### Arrester data

Type Part No.	DSP 12 SH 415 TT 902 685
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) [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]/[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 $\mu$ s) [L-N]/[N-PE] ( $I_n$ )	12.5 / 50 kA
Voltage protection level [L-N]/[N-PE] ( $U_p$ )	$\leq 1.5$ / $\leq 1.5$ kV
Follow current limitation/Selectivity	no tripping of a 32 A gL/gG fuse up to 25 kA <sub>rms</sub> (prosp.)
Follow current extinguishing capability [L-N]/[N-PE] ( $I_n$ )	25 kA <sub>rms</sub> / 100 A <sub>rms</sub>
Response time ( $t_A$ )	$\leq 100$ ns
Max. mains-side overcurrent protection	160 A gL/gG
TOV-Spannung [L-N] ( $U_T$ )	440 V / 5 sec.
Temporary overvoltage (TOV) [N-PE] ( $U_T$ )	1200 V / 200 ms
TOV characteristic	withstand
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
Housing material	thermoplastic, red, UL 94 V-0

**Enclosure data**

Type	DSP 12 SH 415 TT
Part No.	902 685
Technical data for the insulating enclosure	--
– Operating temperature range (T <sub>U</sub> )	-25°C...+40°C
– Degree of protection protection	IP 65
– Cover	transparent door
– Colour of enclosure	grey
– Cable entry	integrated elastic seal membrane for entering cables
– Capacity	5 module(s), DIN 43880
– Material	plastic
– Dimensions (W x H x D)	125 x 200 x 122 mm
Weight	0 g
Customs tariff number	85363030
GTIN	4013364150003
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.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.