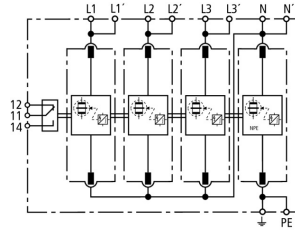


## DVA CSP 3P 100 FM (900 360)

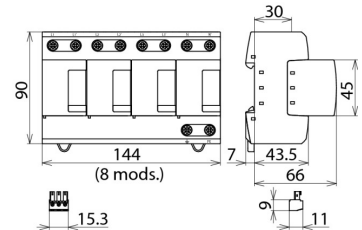
- Prewired combined lightning current and surge arrester, energy-coordinated with power supply systems for cell sites (DEHNvap CSP ... Cell Site Protection)
- Maximum system availability due to follow current limiting RADAX Flow spark gap technology
- Easy replacement of protection modules without tools due to module release button



Figure without obligation



Basic circuit diagram DVA CSP 3P 100 FM



Dimension drawing DVA CSP 3P 100 FM

Modular combined lightning current and surge arrester for use in TT and TN-S systems (3+1 configuration) for protecting 230/400 V power supply systems of cell sites

Type	DVA CSP 3P 100 FM
Part No.	900 360
SPD according to EN 61643-11 / ... IEC 61643-11	type 1 + type 2 / class I + class II
Energy coordination with terminal equipment ( $\leq 10$ m)	type 1 + type 2 + type 3
Nominal voltage (a.c.) ( $U_n$ )	230 / 240 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) [L-N]/[N-PE] ( $U_c$ )	264 V (50 / 60 Hz)
Max. continuous operating voltage (a.c.) [N-PE] ( $U_{c(N-PE)}$ )	255 V (50 / 60 Hz)
Lightning impulse current (10/350 $\mu$ s) [L1+L2+L3+N-PE] ( $I_{total}$ )	100 kA
Specific energy [L1+L2+L3+N-PE] (W/R)	2.50 MJ/ohms
Lightning impulse current (10/350 $\mu$ s) [L-N]/[N-PE] ( $I_{imp}$ )	25 / 100 kA
Specific energy [L-N]/[N-PE] (W/R)	156.25 kJ/ohms / 2.50 MJ/ohms
Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	25 / 100 kA
Voltage protection level [L-N]/[N-PE] ( $U_p$ )	$\leq 1.5$ kV / $\leq 1.5$ kV
Follow current extinguishing capability [L-N]/[N-PE] ( $I_n$ )	25 kA <sub>rms</sub> / 100 A <sub>rms</sub>
Follow current limitation/Selectivity	no tripping of a 20 A gG fuse up to 25 kA <sub>rms</sub> (prosp.)
Response time ( $t_A$ )	$\leq 100$ ns
Max. backup fuse (L) up to $I_k = 25$ kA <sub>rms</sub>	315 A gG
Max. backup fuse (L) up to $I_k > 25$ kA <sub>rms</sub>	200 A gG
Max. backup fuse (L-L')	125 A gG
Temporary overvoltage (TOV) [L-N] ( $U_T$ ) – Characteristic	440 V / 120 min. – withstand
Temporary overvoltage (TOV) [N-PE] ( $U_T$ ) – Characteristic	1200 V / 200 ms – withstand
Additional abnormal voltage test: 485 V AC / 50 Hz for 24 h	withstand
Operating temperature range [parallel]/[series] ( $T_U$ )	-40°C...+80°C / -40°C...+60°C
Operating state/fault indication	green / red
Number of ports	1
Cross-sectional area (L1, L1', L2, L2', L3, L3', N, N', PE, $\pm$ ) (min.)	10 mm <sup>2</sup> solid / flexible
Cross-sectional area (L1, L2, L3, N, PE) (max.)	50 mm <sup>2</sup> stranded / 35 mm <sup>2</sup> flexible
Cross-sectional area (L1', L2', L3', N', $\pm$ ) (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	8 module(s), DIN 43880
Approvals	KEMA
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	1,3 kg
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364111332
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.