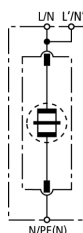


DBH M 1 255 (961 122)

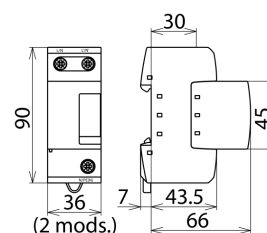
- Encapsulated creepage discharge spark gap without venting means
- RADAX Flow spark gap technology with high follow current limitation
- Can also be used upstream meter panels due to high insulation resistance



Figure without obligation



Basic circuit diagram DBH M 1 255



Dimension drawing DBH M 1 255

Modular single-pole lightning current arrester with high follow current limitation for $U_c = 255 \text{ V}$.

Type	DBH M 1 255
Part No.	961 122
SPD according to EN 61643-11	type 1
SPD according to IEC 61643-1/-11	class I
Nominal a.c. voltage (U_N)	230 V
Max. continuous operating a.c. voltage (U_c)	255 V
Lightning impulse current (10/350 μs) (I_{imp})	50 kA
Voltage protection level (U_p)	$\leq 4 \text{ kV}$
Follow current extinguishing capability a.c. (I_n)	50 kA _{rms}
Follow current limitation / Selectivity	no tripping of a 32 A gL/gG fuse up to 50 kA _{rms} (prosp.)
Response time (t_a)	$\leq 100 \text{ ns}$
Max. backup fuse (L) up to $I_K = 50 \text{ kA}_{rms}$ ($t_a \leq 0.2 \text{ s}$)	500 A gL/gG
Max. backup fuse (L) up to $I_K = 50 \text{ kA}_{rms}$ ($t_a \leq 5 \text{ s}$)	315 A gL/gG
Max. backup fuse (L-L')	125 A gL/gG
Temporary overvoltage (TOV) (U_T)	440 V / 5 sec.
TOV characteristic	withstand
Operating temperature range (parallel connection) (T_{UP})	-40 °C ... +80 °C
Operating temperature range (series connection) (T_{US})	-40 °C ... +60 °C
Number of ports	1
Cross-sectional area (L/N, L'/N', N/PE(N)) (min.)	10 mm ² solid / flexible
Cross-sectional area (L/N, N/PE(N)) (max.)	50 mm ² stranded / 35 mm ² flexible
Cross-sectional area (L'/N') (max.)	35 mm ² stranded / 25 mm ² 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
Extended technical data:	
Use in switchgear installations with prospective short-circuit currents of more than 50 kA_{rms} (tested by the German VDE)	
– Maximum prospective short-circuit current	100 kA _{rms} (220 kA _{peak})
– Limitation / Extinction of mains follow currents	up to 100 kA _{rms} (220 kA _{peak})
– Max. backup fuse (L) up to $I_K = 100 \text{ kA}_{rms}$ ($t_a \leq 0.2 \text{ s}$)	500 A gL/gG
– Max. backup fuse (L) up to $I_K = 100 \text{ kA}_{rms}$ ($t_a \leq 5 \text{ s}$)	315 A gL/gG
Weight	358 g
Customs tariff number	85363030
GTIN	4013364118652
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.