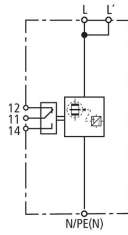


## DBM 1 760 FM (961 175)

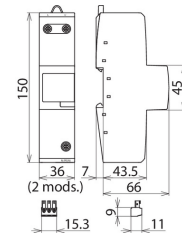
- Extremely high lightning current discharge capacity
- High follow current extinction and limitation due to RADAX Flow technology
- Directly coordinated with DEHNguard surge protective devices without additional cable length



Figure without obligation



Basic circuit diagram DBM 1 760 FM



Dimension drawing DBM 1 760 FM

Coordinated single-pole lightning current arrester with high follow current limitation for  $U_c = 760\text{ V}$ .

Type Part No.	DBM 1 760 FM 961 175
SPD according to EN 61643-11 / IEC 61643-11	type 1 / class I
Nominal voltage (a.c.) ( $U_N$ )	690 V
Max. continuous operating voltage (a.c.) ( $U_c$ )	760 V
Lightning impulse current (10/350 $\mu$ s) ( $I_{imp}$ )	25 kA
Specific energy (W/R)	156.25 kJ/ohms
Nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	25 kA
Voltage protection level ( $U_p$ )	$\leq 4\text{ kV}$
Follow current extinguishing capability (a.c.) ( $I_n$ )	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 ( $t_a$ )	$\leq 100\text{ ns}$
Max. backup fuse (L) up to $I_k = 25\text{ kA}_{rms}$ ( $t_a \leq 5\text{ s}$ )	250 A gG
Max. backup fuse (L) at $I_k > 25\text{ kA}_{rms}$	100 A gG
Max. backup fuse (L-L')	125 A gG
Temporary overvoltage (TOV) ( $U_T$ ) – Characteristic	1320 V / 120 min. – withstand
Operating temperature range (parallel connection) ( $T_{UP}$ )	-40 °C ... +80 °C
Operating temperature range (series connection) ( $T_{US}$ )	-40 °C ... +60 °C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (L, L', $\pm$ ) (min.)	10 mm <sup>2</sup> solid / flexible
Cross-sectional area (L, $\pm$ ) (max.)	50 mm <sup>2</sup> stranded / 35 mm <sup>2</sup> flexible
Cross-sectional area (L') (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
Approvals	UL, CSA
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	507 g
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364116283
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.