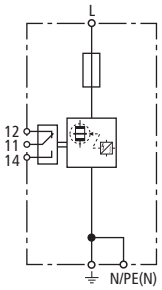
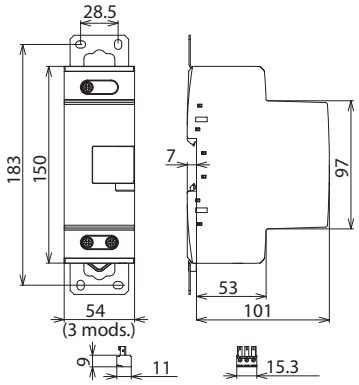
DBM 1 CI 760 FM (961 176)

- Spark-gap-based lightning current arrester with integrated backup fuse
- Maximum system availability thanks to RADAX Flow follow current limitation
- Directly coordinated with DEHNguard surge protective devices without cable length





Basic circuit diagram



Dimension drawing

Coordinated single-pole lightning current arrester with integrated backup fuse for 690 V TN / IT systemss; with remote signalling contact for monitoring device (floating changeover contact).

Type	**DBM 1 CI 760 FM**
Part No.	**961 176**
SPD according to EN 61643-11 / IEC 61643-11	type 1 / class I
Nominal voltage (a.c.) (U_N)	690 V (50 / 60 Hz)
Max. continuous operating voltage (AC) (U_C)	760 V (50 / 60 Hz)
Lightning impulse current (10/350 µs) (I_{imp})	35 kA
Specific energy (W/R)	306.25 kJ/Ohm
Nominal discharge current (8/20 µs) (I_n)	35 kA
Voltage protection level (U_p)	≤ 4 kV
Follow current extinguishing capability (a.c.) (I_{fi})	25 kA_{rms}
Follow current limitation / Selectivity	no tripping of a 32 A gG fuse up to 25 kA_{rms} (prosp.)
Response time (t_A)	≤ 100 ns
Max. mains-side overcurrent protection	not required
Temporary overvoltage (U_T) – characteristic	1320 V / 120 min. – withstand
Operating temperature range (T_U)	-40 °C ... +80 °C
Operating state / fault indication	green / red
Number of ports	1
Cross-sectional area (L, N/PE(N)) (min.)	10 mm² solid / flexible
Cross-sectional area (L, N/PE(N)) (max.)	50 mm² stranded / 35 mm² flexible
For mounting on	35 mm DIN rails acc. to EN 60715 or mounting plate (using the two mounting brackets provided)
Enclosure material	thermoplastic, red, UL 94 V-0
Place of installation	indoor installation
Degree of protection	IP 20
Capacity	3 Standard DIN module, 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 mm² solid / flexible
Supplementary data	
Nominal discharge current (8/20 µs) (I_n)	35 kA

Masterdata	
Net weight	908 g/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363090
GTIN	4013364250123
PU	1 pc(s)

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component