

Low-Voltage Limiter HVL 070-0.3

Protection of

- Persons against impermissible touch voltages
- Rail circuits against overvoltages

Application

- DC traction systems
- Outdoor and indoor



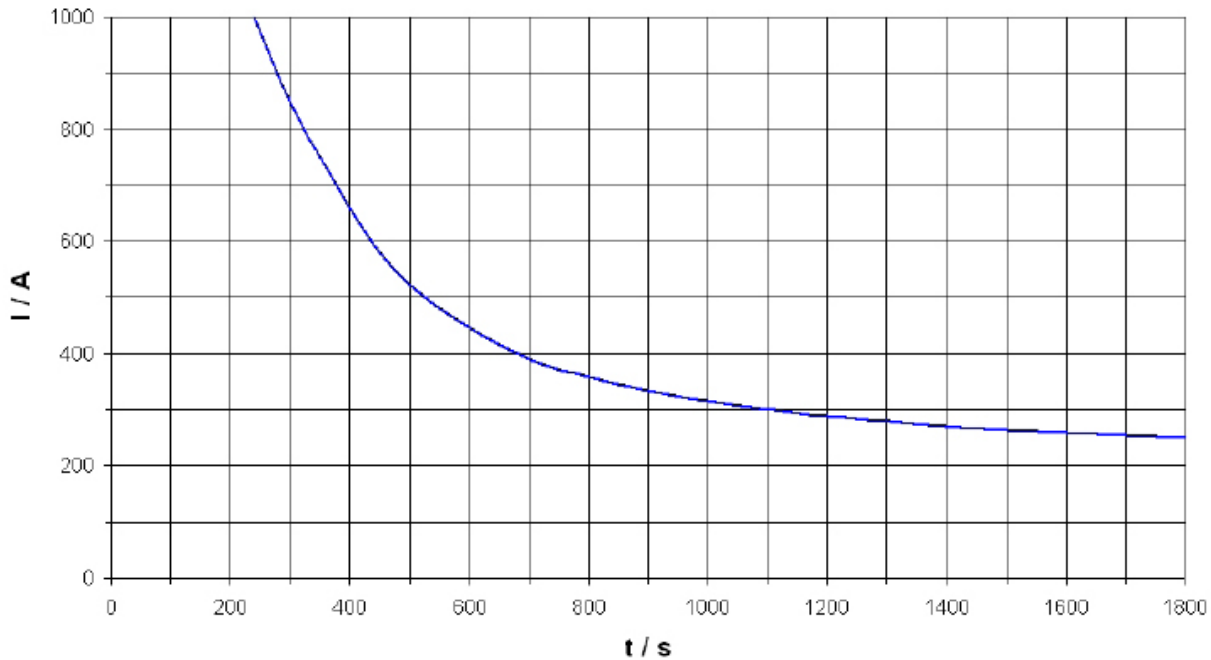
Technical Data

Low voltage limiter consisting of metal-oxide surge arrester without spark gaps and anti-parallel connected thyristors. Robust, non corrosive and weatherproof housing. Designed and tested according to EN 50123-5 (IEC 61992-5) and IEC 60099-4.

Technical data with reference to EN 50123-5 (IEC 61992-5)

Rated voltage U_r	40 V (DC)
Maximum withstand voltage U_w	50 V (DC)
Limiting Voltage U_s	70 V (DC)
Current withstand without reversibility	20 kA (DC) for 0.1 s
Current withstand with reversibility	1000 A (DC) for 240 s 750 A (DC) for 350 s 480 A (DC) for 550 s 315 A (DC) for 1000 s 250 A (DC) for 1800 s

Current withstand with reversibility (DC)



Technical data of built-in metal-oxide surge arrester according to IEC 60099-4

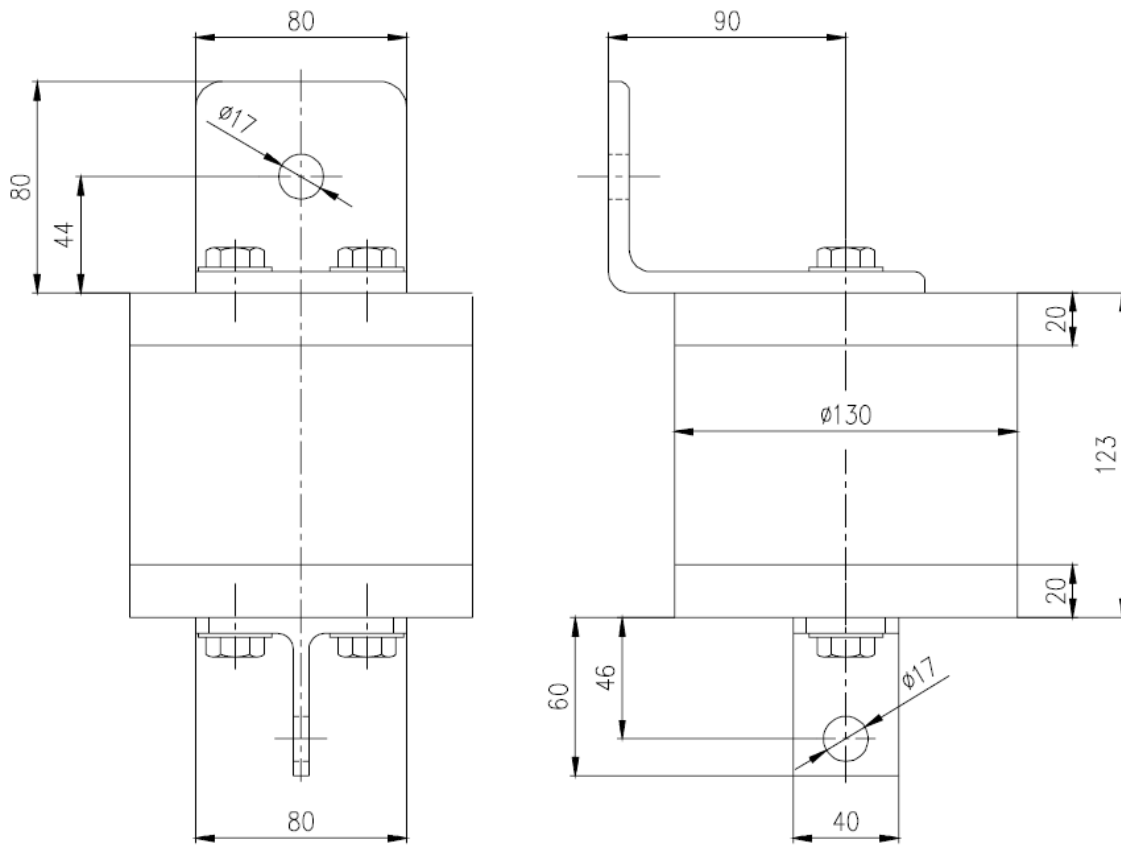
Nominal discharge current I_n	20 kA 8/20 μ s
High current impulse I_{hc}	100 kA 4/10 μ s
Residual voltage U_{res} at nominal discharge current I_n	380 V
Line discharge class	4
Long duration current impulse I_{rec}	1350 A / 2000 μ s
Energy per long duration current impulse	735 J
Lightning current impulse withstand according to IEC 61643-1	10 kA 10/350 μ s

Operating conditions

Altitude	unlimited
Ambient temperature	-40 °C to +40 °C
Weight without accessories	4.4 kg
Degree of protection according to IEC 60529	IP06 and IP07

Dimensions

Dimensions (in mm)



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