

Protistor® size 36x127 gR (GRB/C)

1000VDC

SEMICONDUCTOR PROTECTION FUSES

IEC HIGH-SPEED CYLINDRICAL FUSE-LINKS DC PROTECTION



Mersen DC offers provide a very high performant protection for railway power and auxiliary circuits. Mersen DC Semiconductor fuses were developed to provide improved performance required by today's new DC equipment. These fuses are typically operated at more elevated temperature than other fuse type, have lower I^2t to minimize damage to protected components on short circuits, lower watts loss and longer life.

TECHNICAL DATA OVERVIEW

Voltage Range DC	1000VDC
Ampere Range (A)	25A...100A
Speed/Characteristic	gR
Product Size	36x127
Max. Interrupting Rating IR	100kA @Rated Voltage, L/R= 20ms
Weight	299 g
Package	3 pcs

FEATURES & BENEFITS

- Extremely fast acting
- Current limiting
- Very low I^2t
- Worldwide acceptability
- Tested cycling capability

APPLICATIONS

- Rectifiers
- Inverters
- Traction Auxiliary Circuits
- UPS systems
- Reduced voltage motor starters

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PRODUCT RANGE



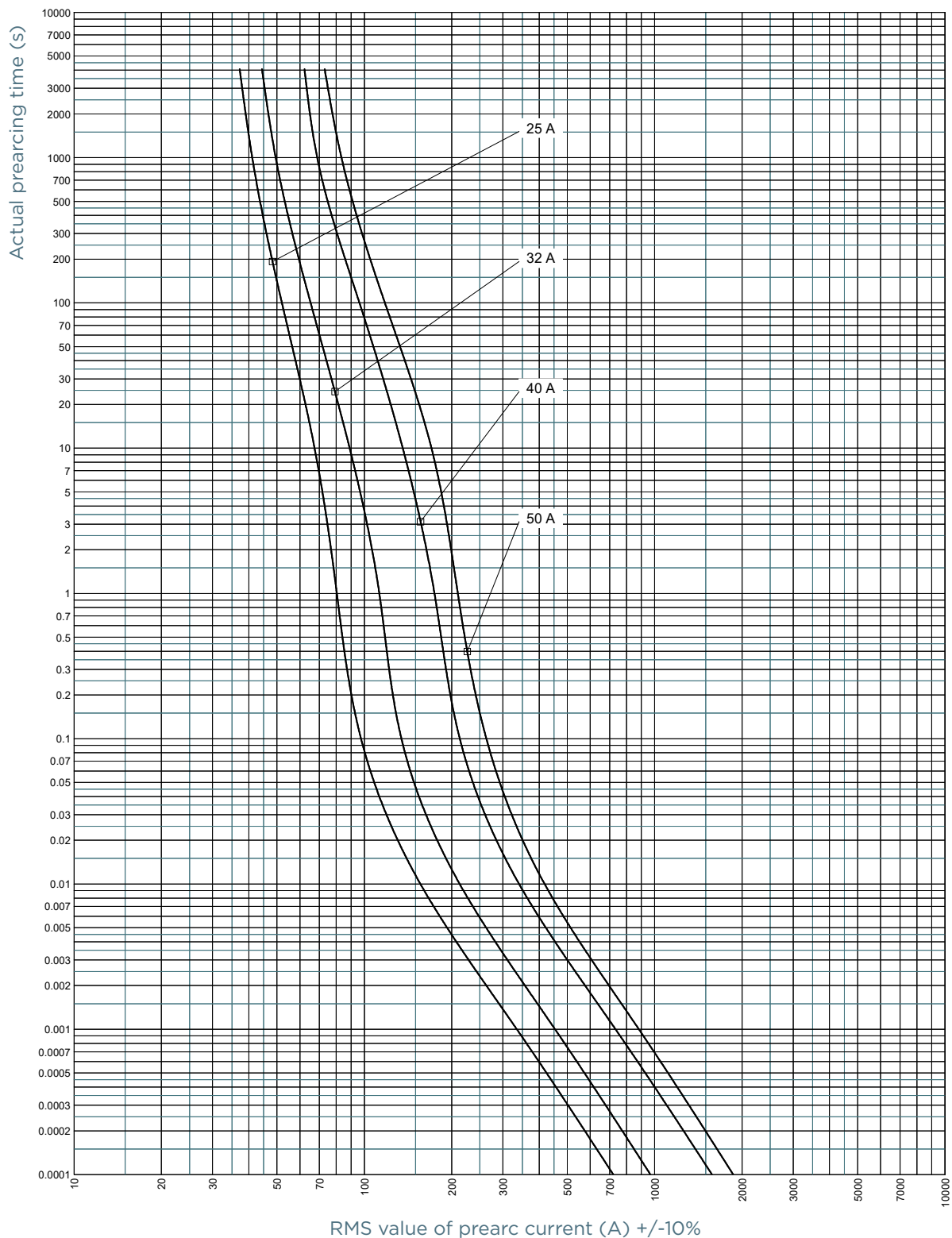
FD36GC100V80T

Size 36x127 gR 1000VDC with trip-indicator

Catalog number	Item number	Rated voltage DC	Rated current I_n	Watt Loss @ $0,8I_n$	Watt Loss @ I_n
FD36GB100V25T	H083980	1000 V	25 A	5,3 W	9,4 W
FD36GB100V32T	R086495	1000 V	32 A	6,4 W	11,5 W
FD36GB100V40T	G089499	1000 V	40 A	6,5 W	11,6 W
FD36GB100V50T	H089500	1000 V	50 A	7,8 W	15,4 W
FD36GC100V63T	J089501	1000 V	63 A	10,5 W	18,8 W
FD36GC100V80T	A083651	1000 V	80 A	11,9 W	21,5 W
FD36GC100V100T	Z083650	1000 V	100 A	13,2 W	24,1 W

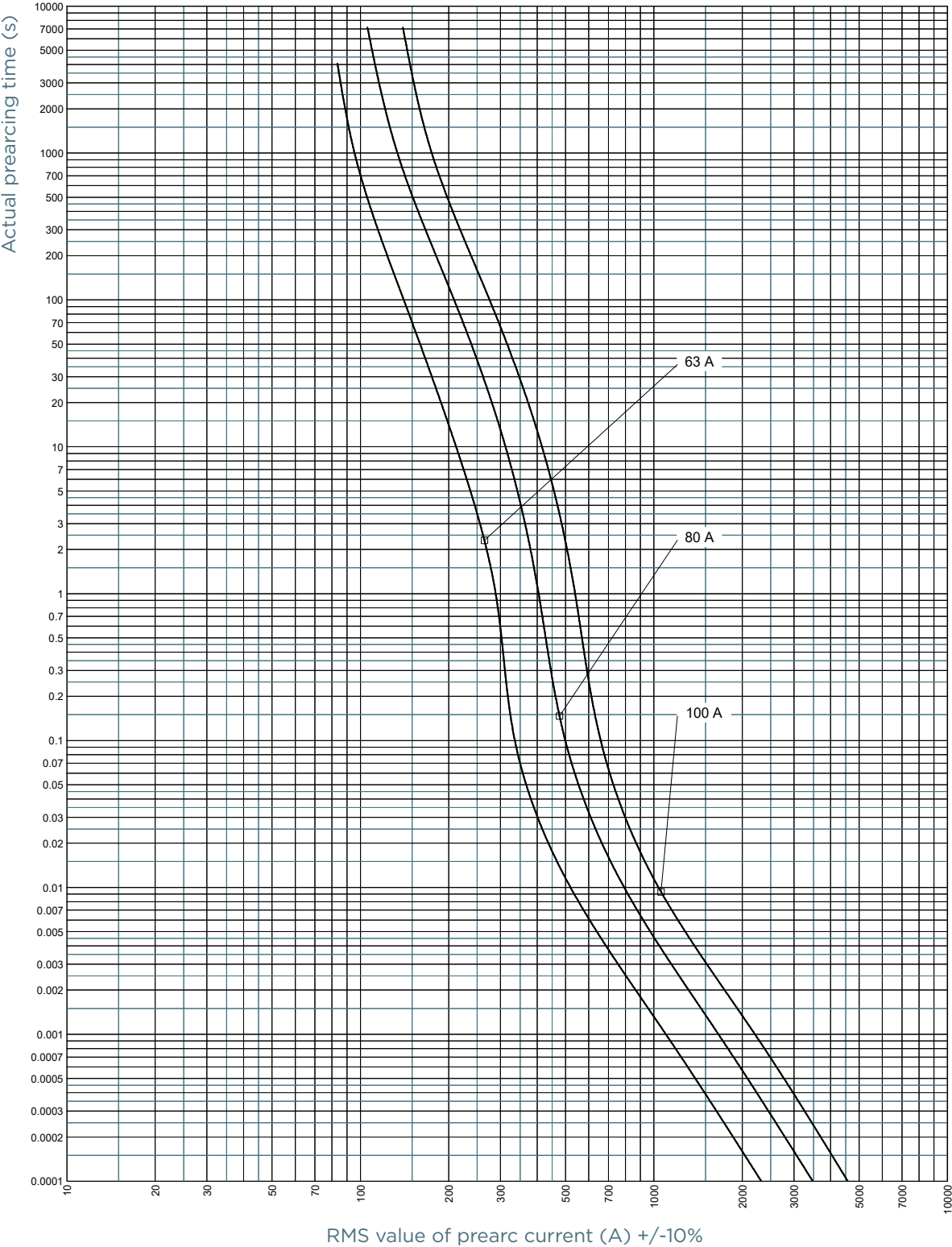
TIME CURRENT CHARACTERISTIC CURVES

1000V gRB 25A-50A



TIME CURRENT CHARACTERISTIC CURVES

1000V gRC 63A-100A

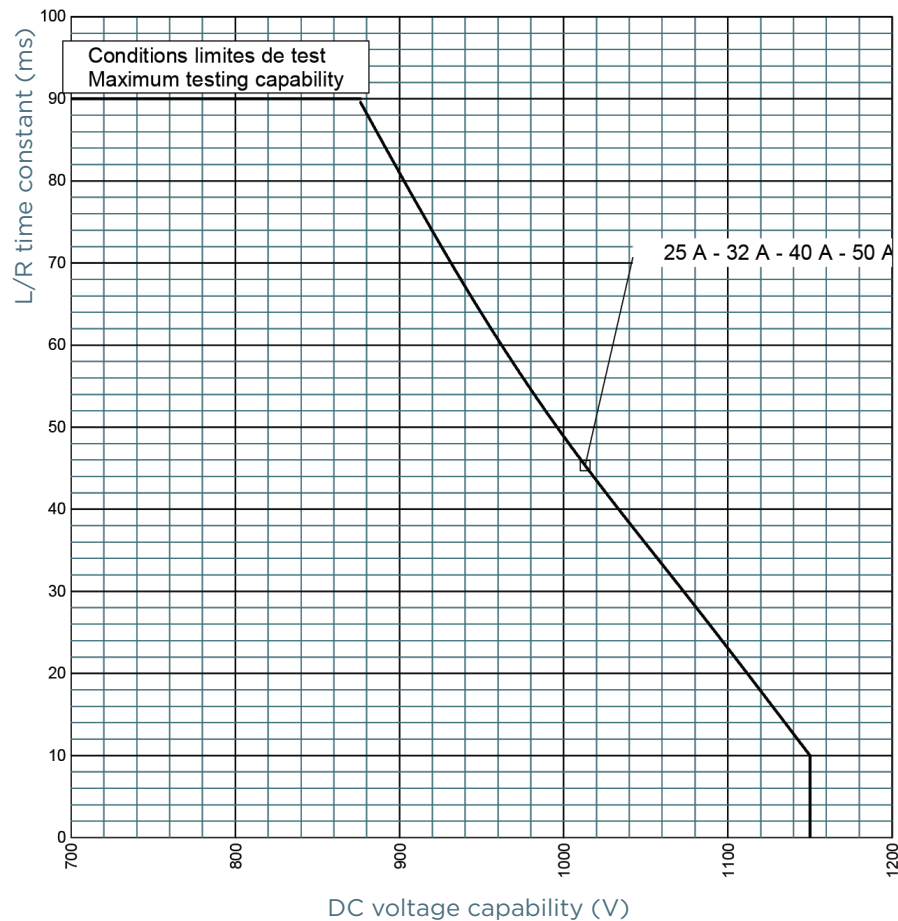


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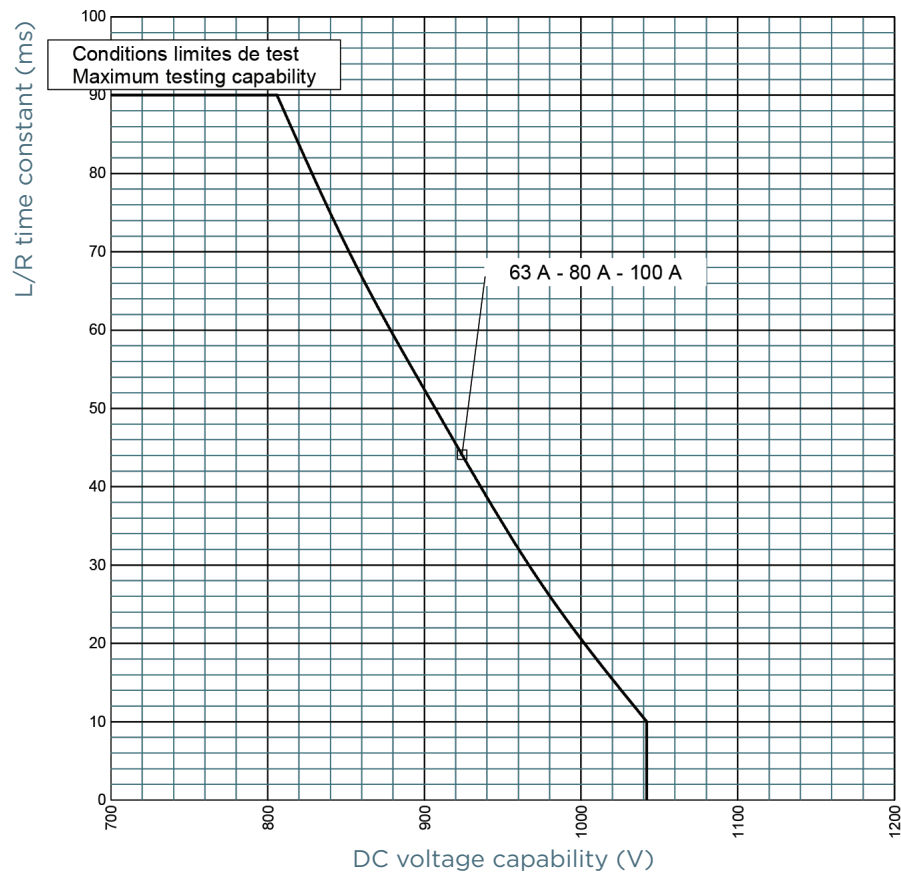
L/R TIME CONSTANT VS DC VOLTAGE CAPABILITY

1000V gRB 25A-50A



L/R TIME CONSTANT VS DC VOLTAGE CAPABILITY

1000V gRC 63A-100A

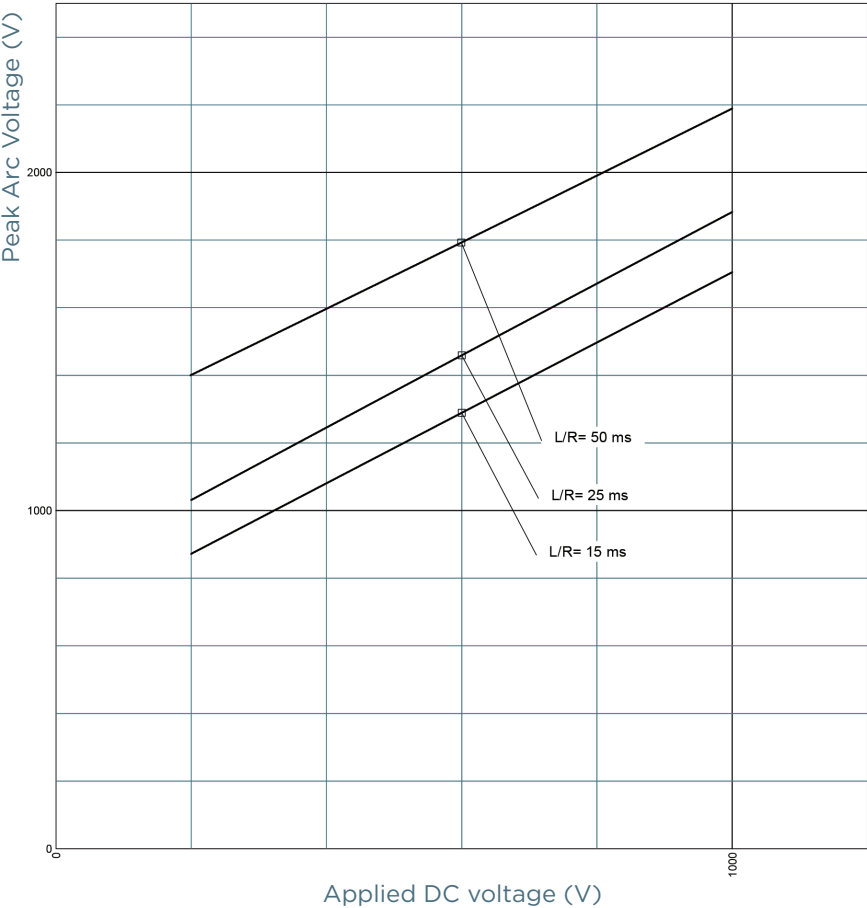


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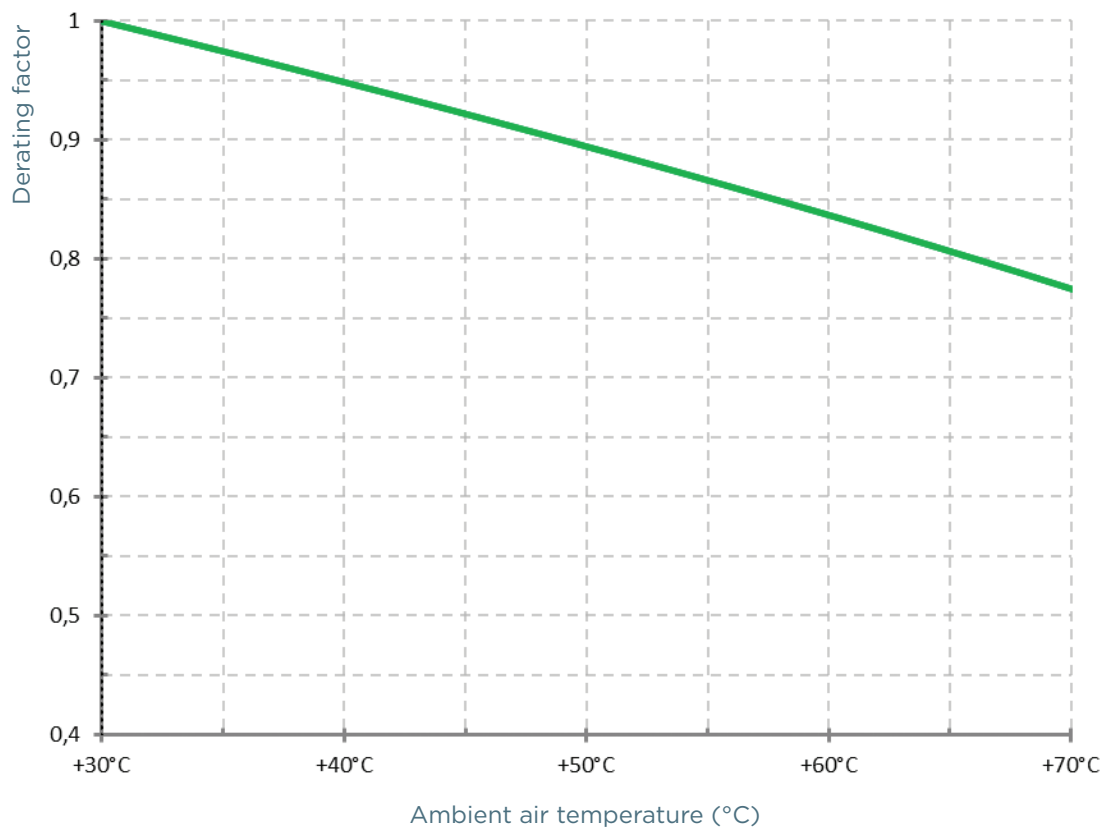
PEAK ARC VOLTAGE

1000V gRB/gRC 25A-100A



TEMPERATURE DERATING

Derating factor of rated current according to ambient air temperature (°C)

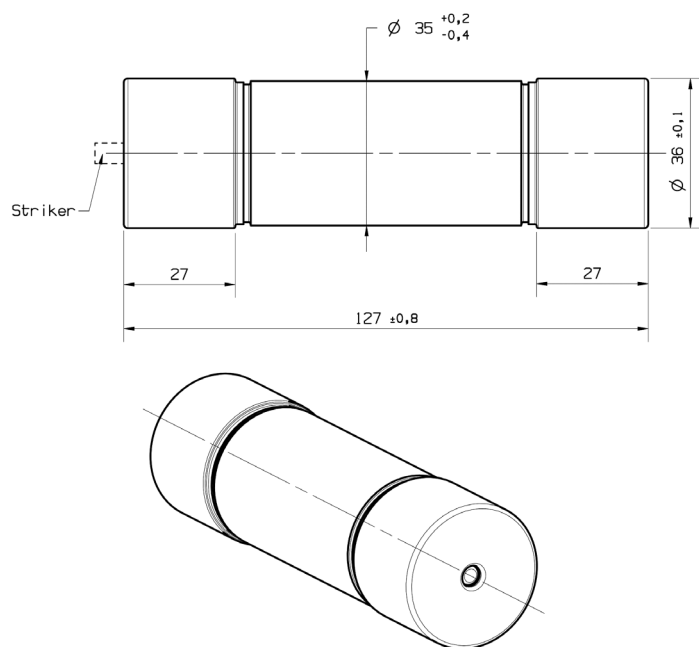


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DIMENSIONS

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Dimensions in mm