

Protistor® size 27x60 gR (gRB)

660VDC

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	660VDC UL/CSA 248-13: 600VDC
Ampere Range (A)	0,8A...110A
Speed/Characteristic	gR
Product Size	27x60
Max. Interrupting Rating IR	50kA @Rated Voltage, L/R= 15ms
Weight	80 g

FEATURES & BENEFITS

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

APPLICATIONS

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

STANDARDS

- UL/CSA 248-13 recognized
- CCC/GB 13539.4 certified



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PRODUCT RANGE



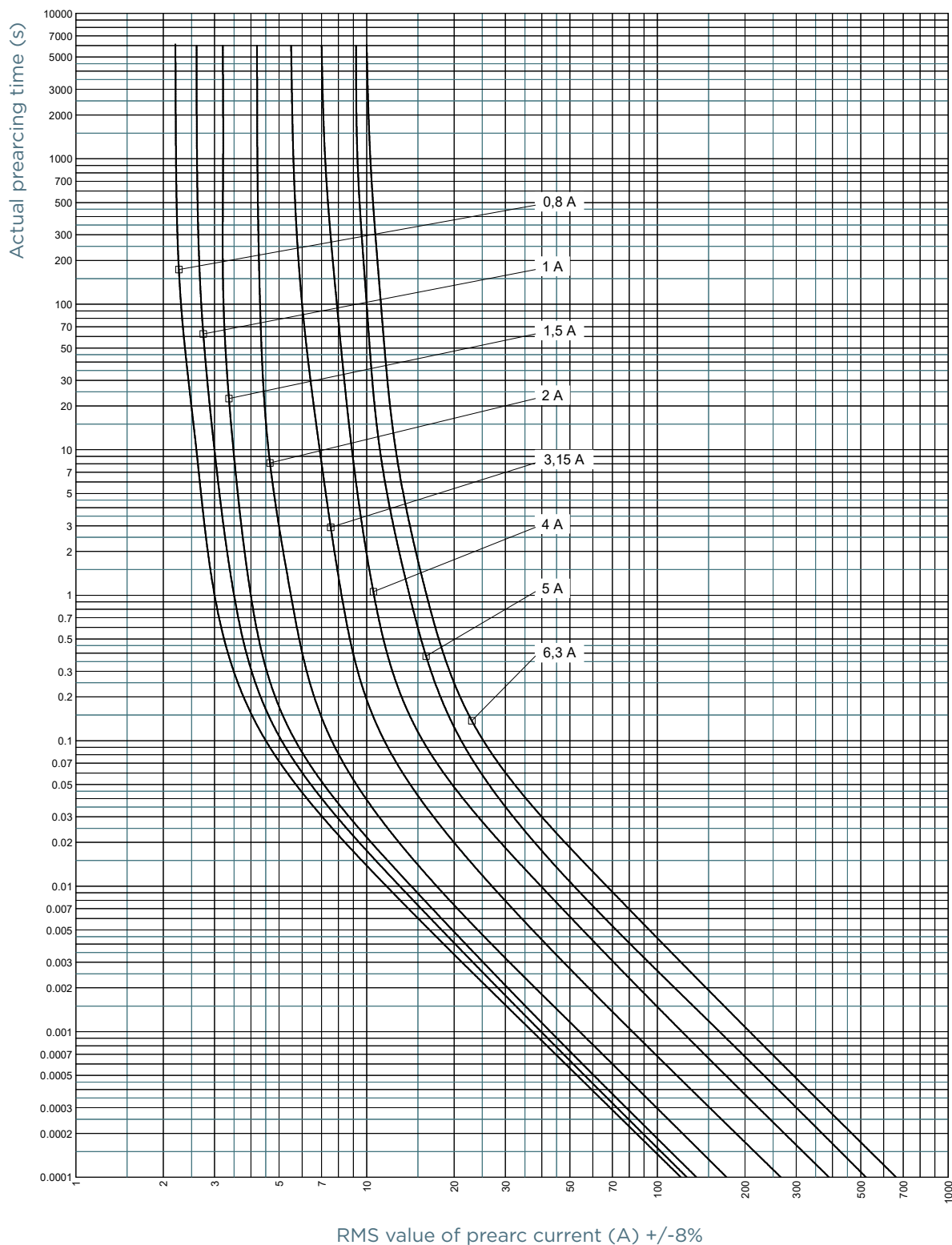
Size 27x60 gR (gRB) 660VDC with striker

FD27GB66V20T

Catalog number	Item number	Rated voltage DC	Rated current I_n	Watt Loss @0,8 I_n	Watt Loss @ I_n	Package
FD27GB66V0,8T	H098585	660 V	0,8 A	0,25 W	0,4 W	10
FD27GB66V1T	J098586	660 V	1 A	0,25 W	0,4 W	10
FD27GB66V1,5T	K098587	660 V	1,5 A	0,35 W	0,6 W	3
FD27GB66V2T	P098591	660 V	2 A	0,4 W	0,7 W	10
FD27GB66V3,15T	Q098592	660 V	3,15 A	0,6 W	1 W	10
FD27GB66V4T	R098593	660 V	4 A	0,6 W	1 W	10
FD27GB66V5T	T098595	660 V	5 A	0,7 W	1,1 W	10
FD27GB66V6,3T	Z098600	660 V	6,3 A	0,8 W	1,3 W	10
FD27GB66V8T	L076301	660 V	8 A	1,2 W	2 W	10
FD27GB66V10T	M076302	660 V	10 A	1,3 W	2,3 W	10
FD27GB66V12T	L075703	660 V	12 A	1,4 W	2,4 W	10
FD27GB66V16T	N076303	660 V	16 A	1,9 W	3,3W	10
FD27GB66V20T	C077006	660 V	20 A	2,4 W	4,1 W	10
FD27GB66V25T	M075635	660 V	25 A	2,8 W	4,7W	10
FD27GB66V32T	P076304	660 V	32 A	3,5 W	6 W	10
FD27GB66V40T	Q076305	660 V	40 A	4,7 W	8 W	10
FD27GB66V50T	R076306	660 V	50 A	4,8 W	8,3 W	10
FD27GB66V63T	P079961	660 V	63 A	5,6 W	9,6 W	10
FD27GB66V80T	S079964	660 V	80 A	6,4W	11,2 W	10
FD27GB66V100T	T099400	660 V	100 A	7,4 W	12,9 W	10
FD27GB66V110T	S076307	660 V	110 A	7,7 W	13,7 W	10

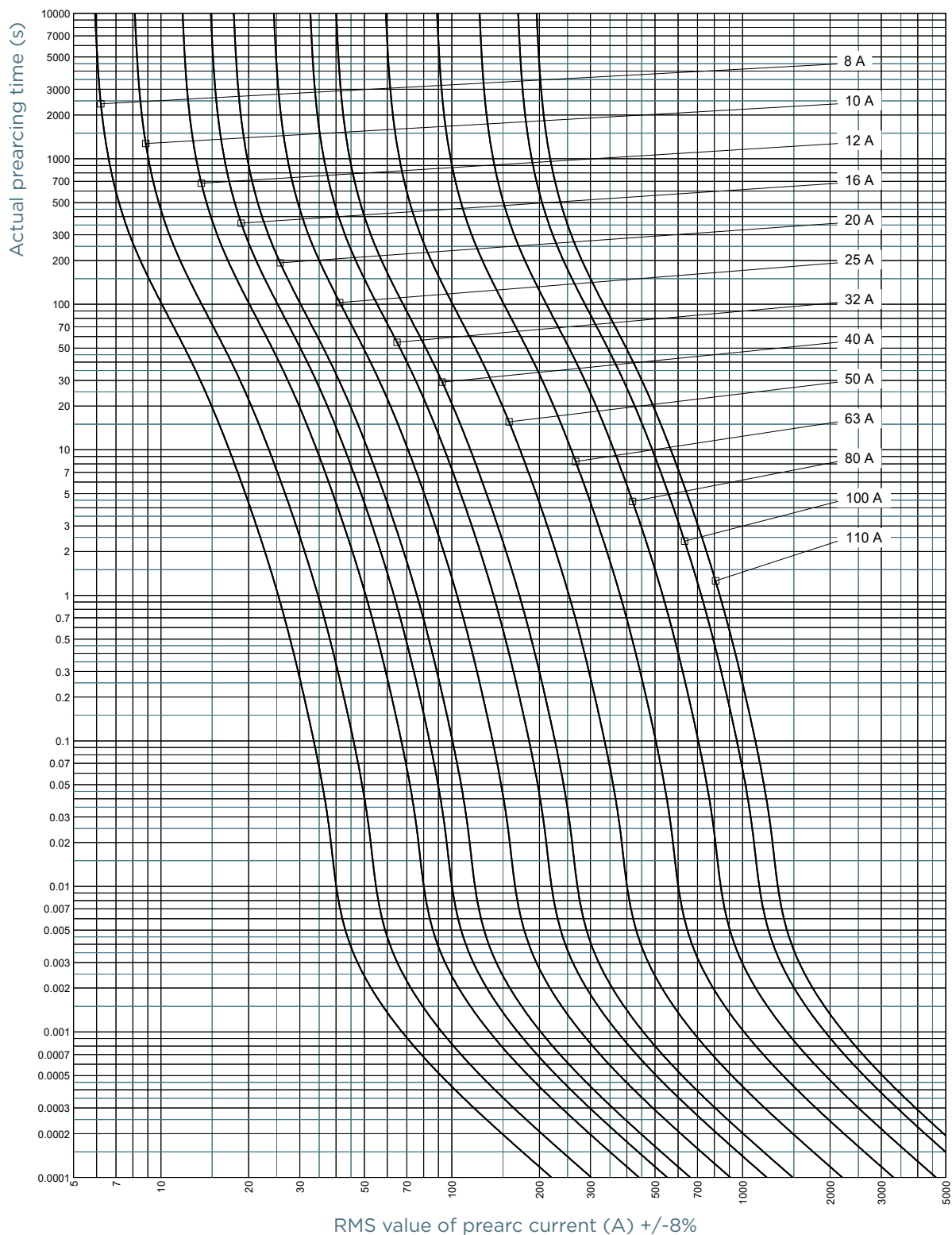
TIME CURRENT CHARACTERISTIC CURVES

660V gRB 0.8A-6.3A



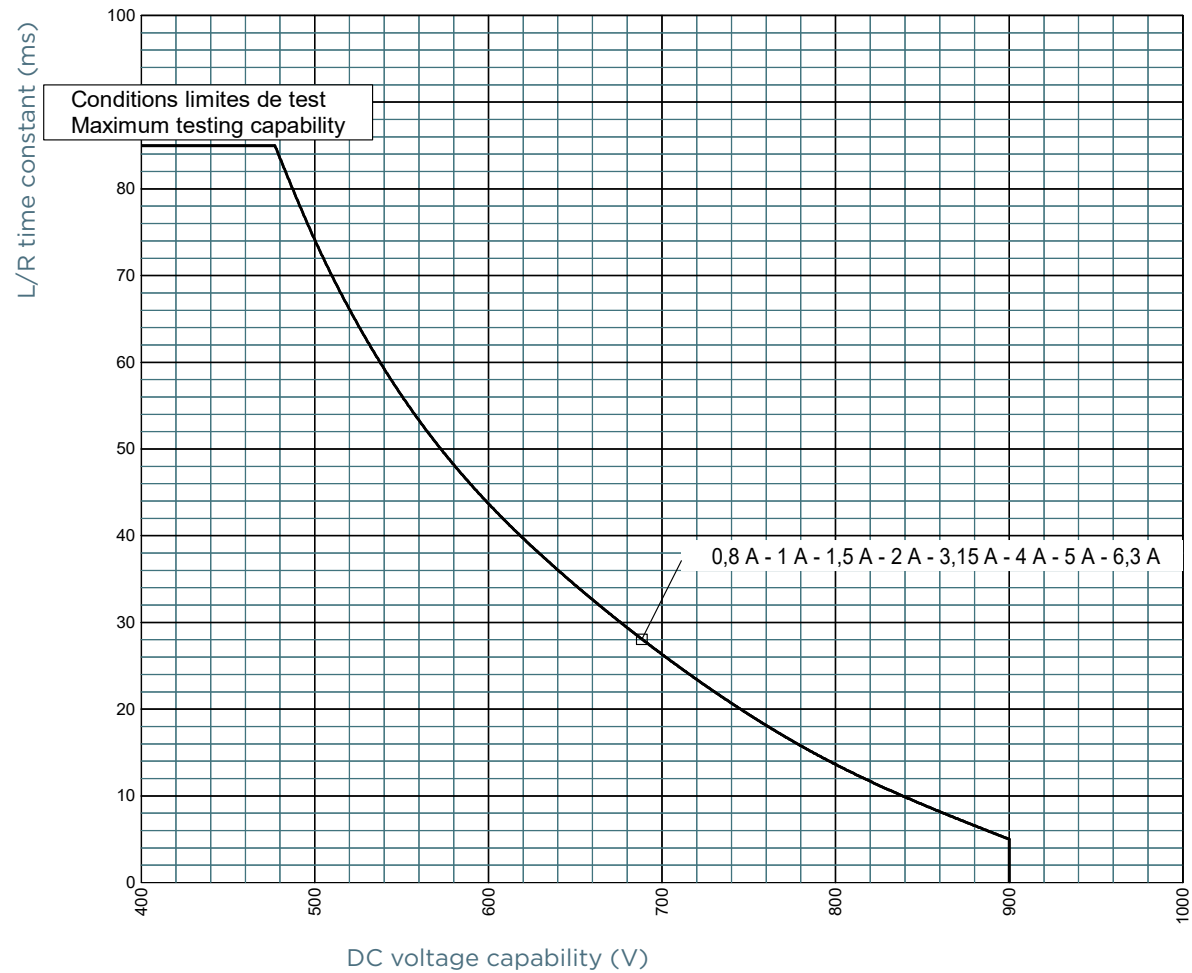
TIME CURRENT CHARACTERISTIC CURVES

660V gRB 8A-110A



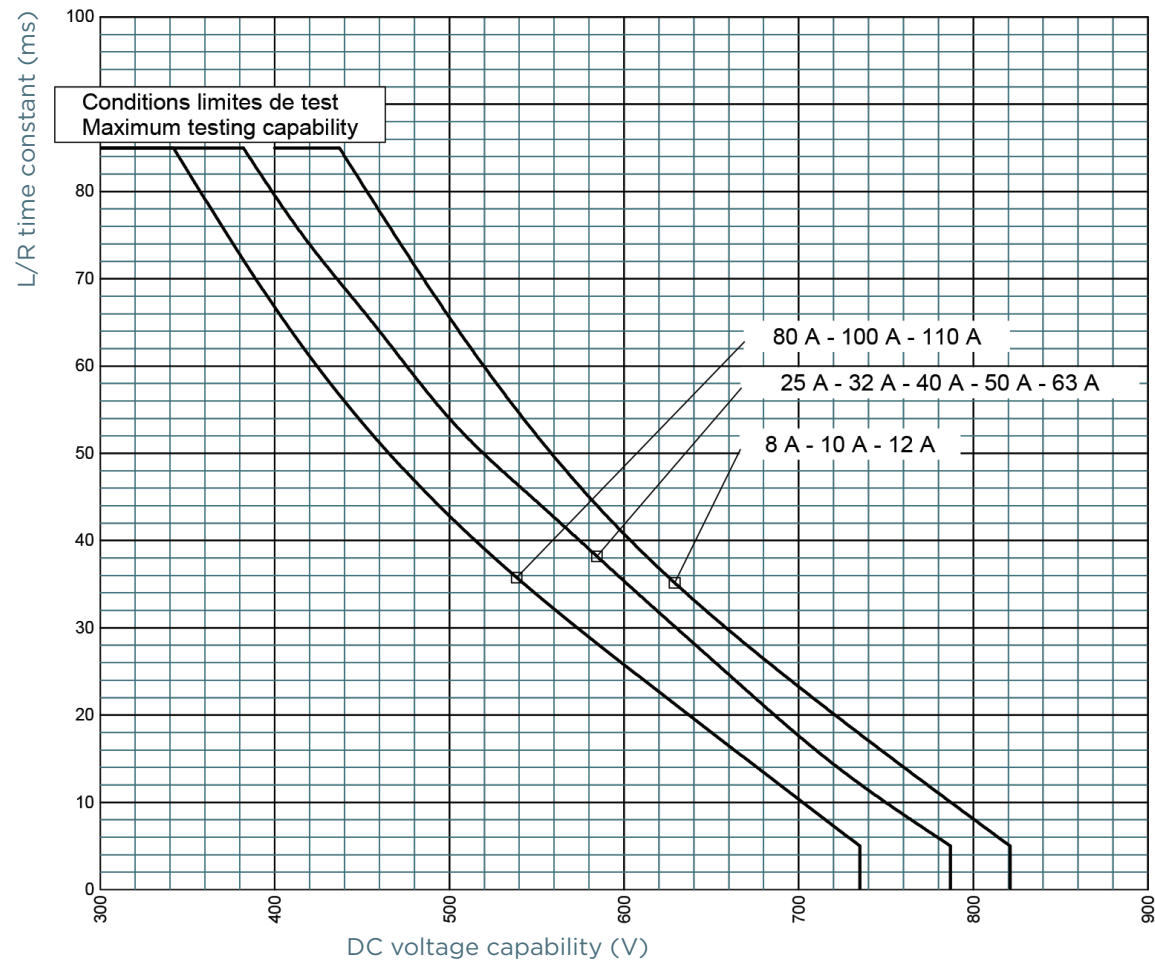
L/R TIME CONSTANT VS DC VOLTAGE CAPABILITY

660V gRB 0.8A-6.3A



L/R TIME CONSTANT VS DC VOLTAGE CAPABILITY

660V gRB 8A-110A

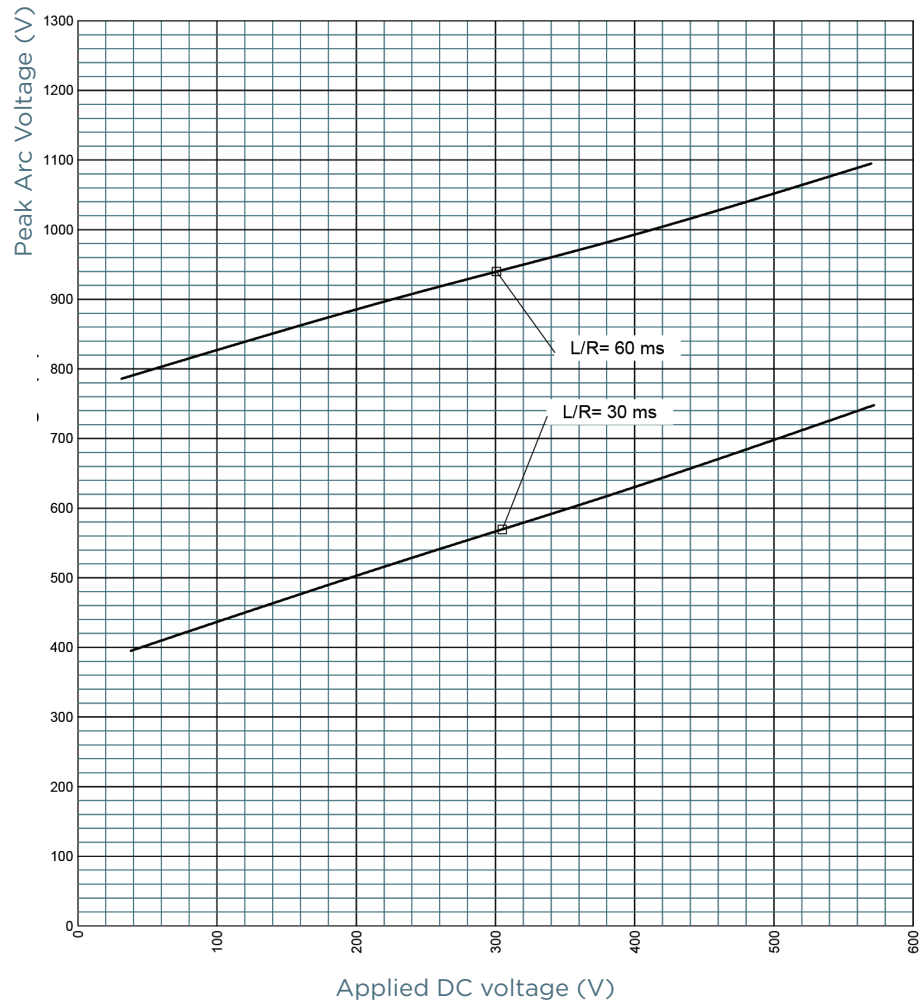


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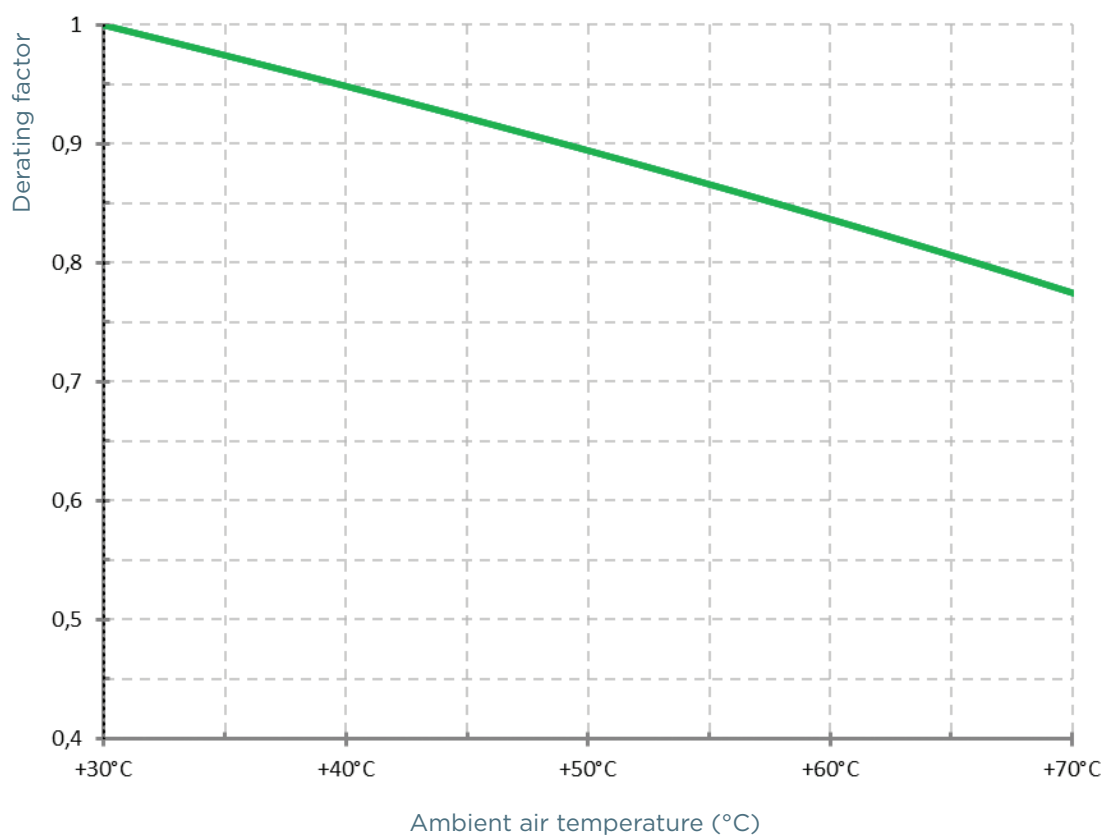
PEAK ARC VOLTAGE

660V gRB 0.8A-110A



TEMPERATURE DERATING

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

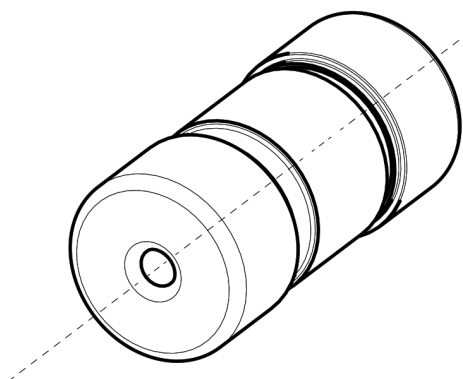
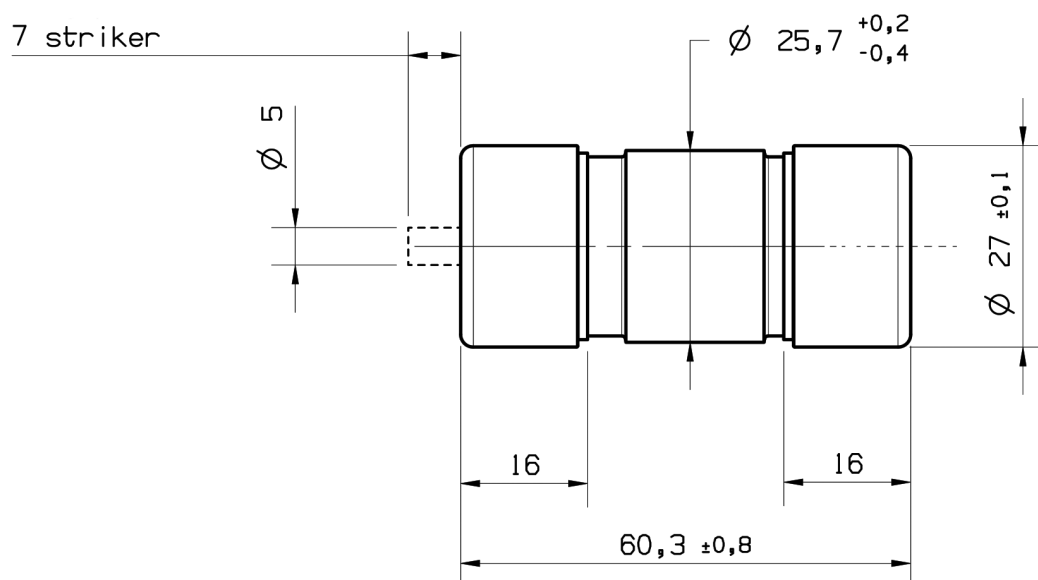


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DIMENSIONS

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Dimensions in mm