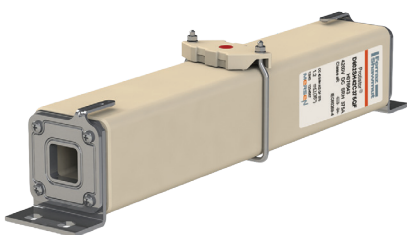


Protistor® size 602 aR

4200VDC

SEMICONDUCTOR PROTECTION FUSES

SQUARE BODY HIGH-SPEED FUSE-LINKS DC PROTECTION



FEATURES & BENEFITS

- Extremely fast acting
- Current limiting
- Very low I^2t
- Worldwide acceptability
- Superior cycling ability

APPLICATIONS

- Suburban lines: 3kVDC

Mersen DC high performance power fuses were developed to provide superior protection for railway power circuits.

These fuses are typically operated at more elevated temperatures than other fuse types.

They have lower I^2t to minimize damage to components in case of short circuits, and have lower watts loss and longer life.

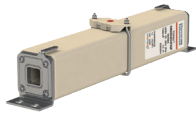
TECHNICAL DATA OVERVIEW

Voltage Range DC	4200 VDC
Ampere Range (A)	200...375A
Speed/Characteristic	aR
Product Size	602
Max.Interrupting Rating IR @4200VDC, L/R=15ms	60kA
Weight	3,56kg
Package	1

Protistor® size 602 aR

4200VDC

PRODUCT RANGE



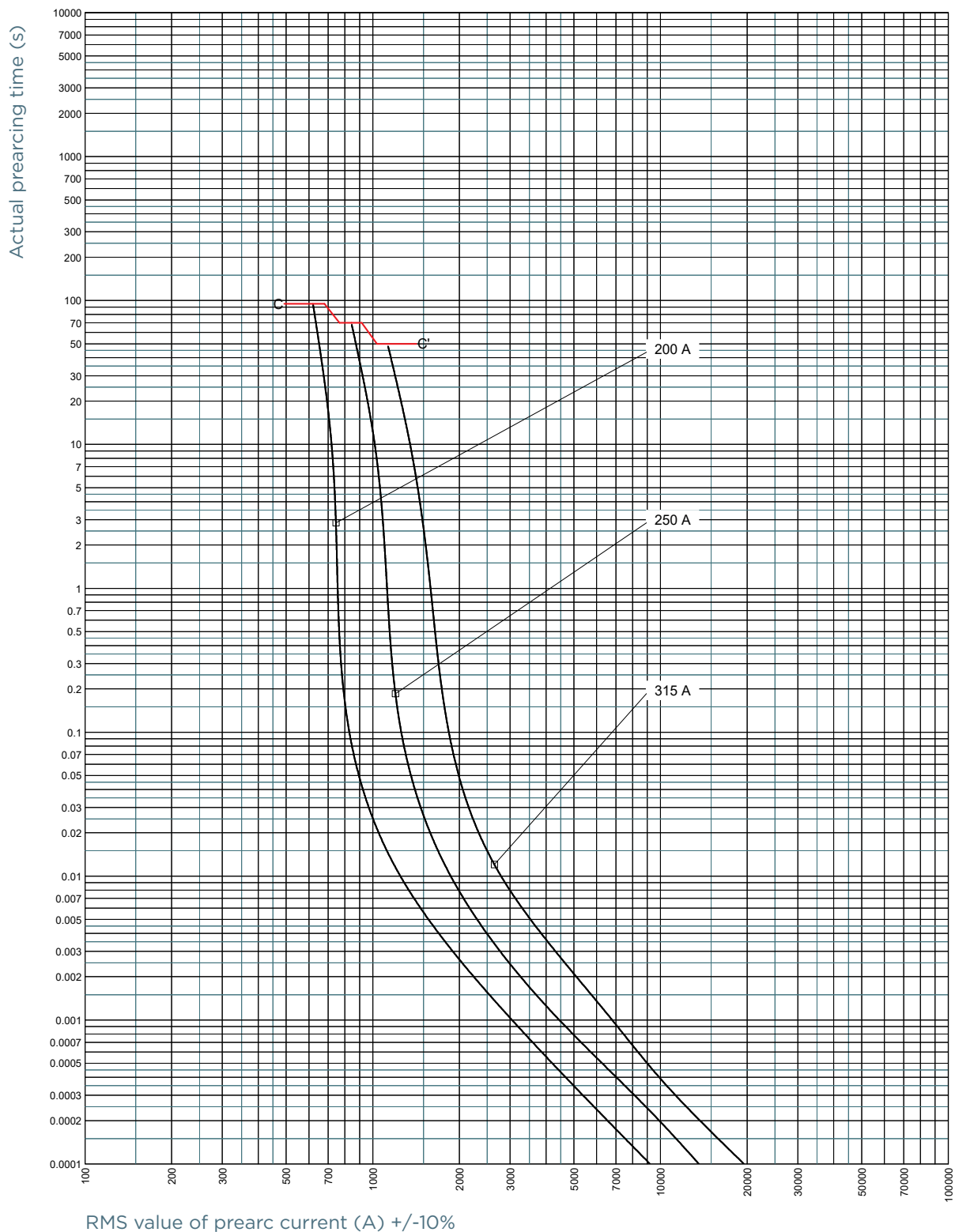
Bracket size 602 aR 4200VDC

D602SH42C375QF

Catalog number	Item number	Rated voltage DC	Rated current I_n	Pre-arcing I^2t	Clearing I^2t @3500V, L/R = 15ms	Clearing I^2t @3500V, L/R = 45ms	Watt Loss @0,8 I_n	Watt Loss @ I_n
D602SF42C200QF	J079496	4200 V	200 A	8,1 kA²s	45 kA²s	80 kA²s	118 W	228 W
D602SF42C250QF	K079497	4200 V	250 A	18,4 kA²s	100 kA²s	180 kA²s	120 W	232 W
D602SF42C315QF	L079498	4200 V	315 A	39,6 kA²s	220 kA²s	375 kA²s	127 W	245 W
D602SH42C375QF	H076643	4200 V	375 A	61,6 kA²s	195 kA²s	325 kA²s	145 W	280 W

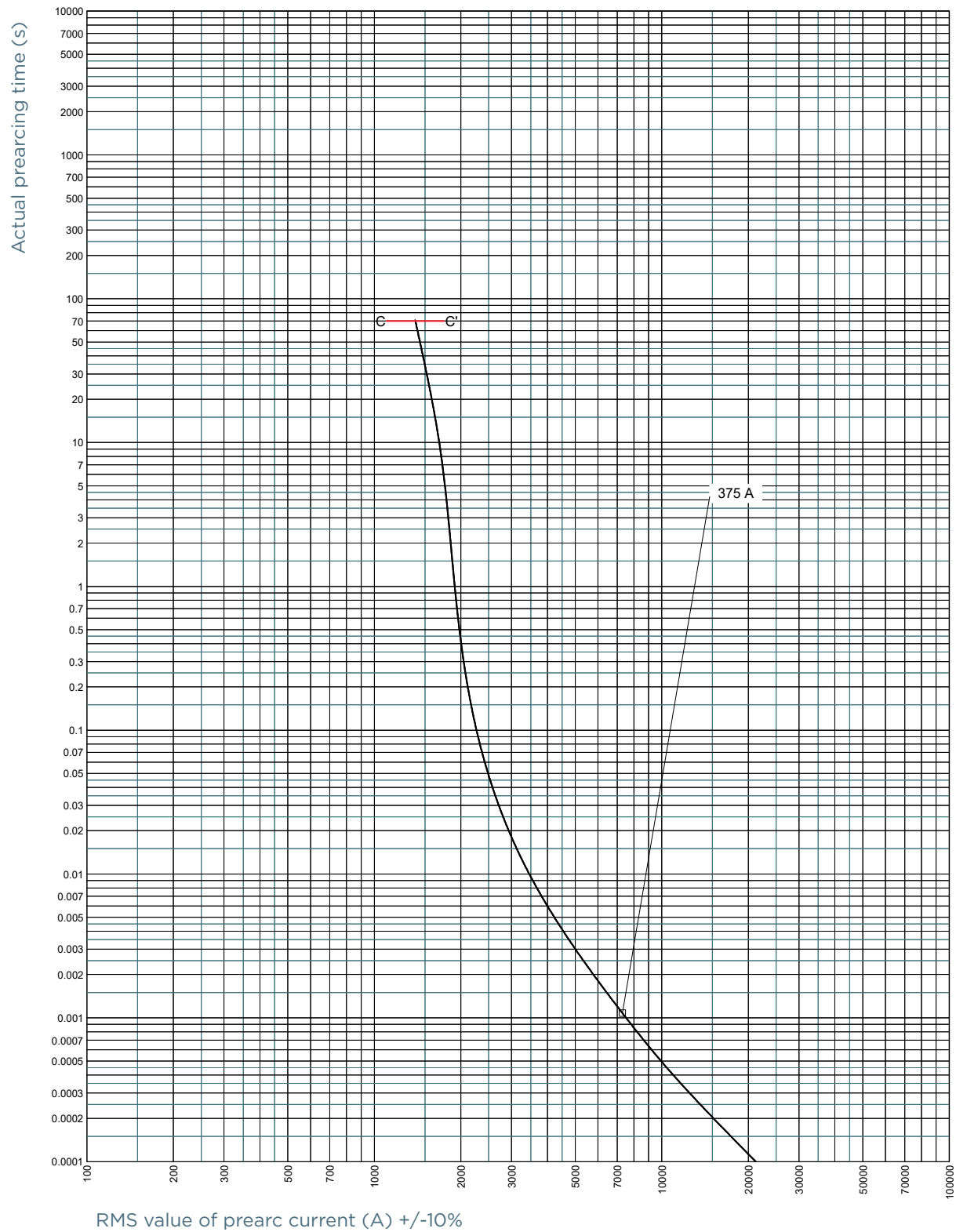
TIME CURRENT CHARACTERISTIC CURVES

4200V sRF 200A-315A

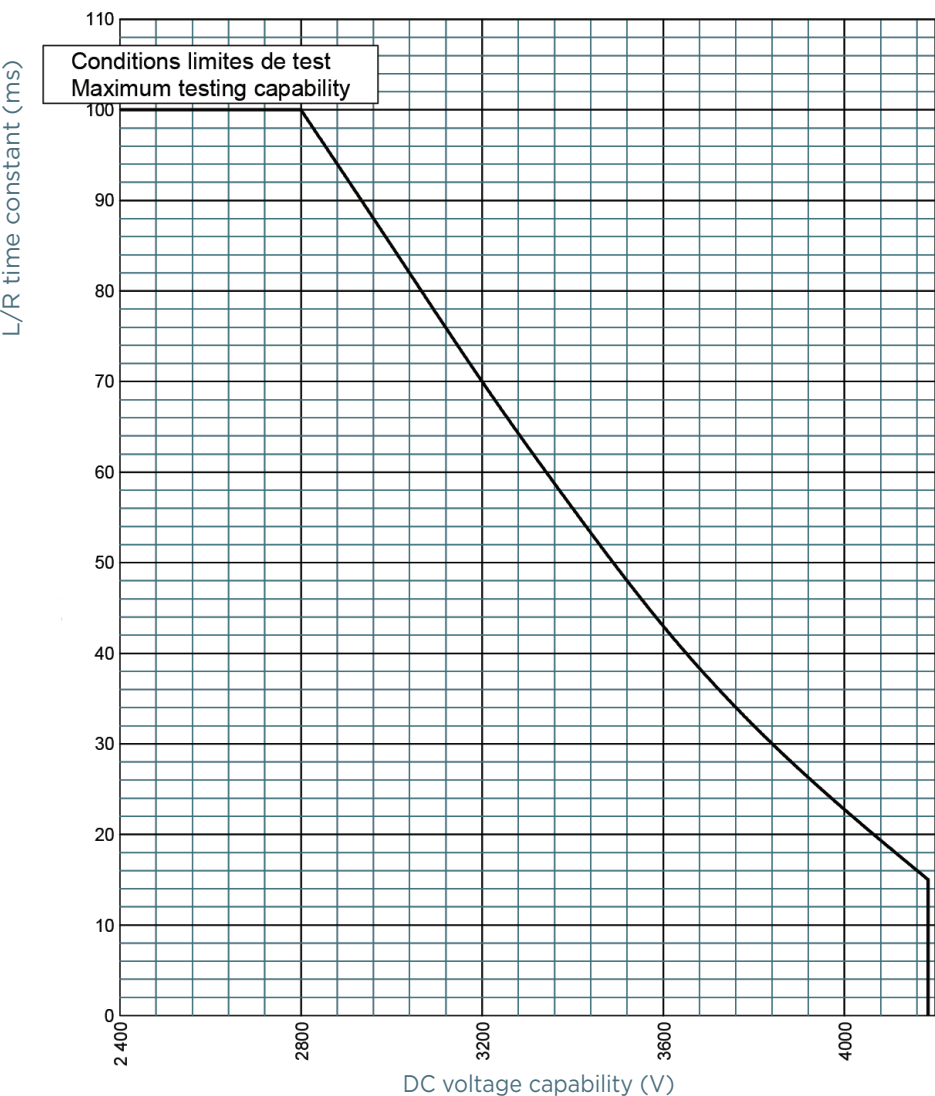


TIME CURRENT CHARACTERISTIC CURVES

4200V sRH 375A

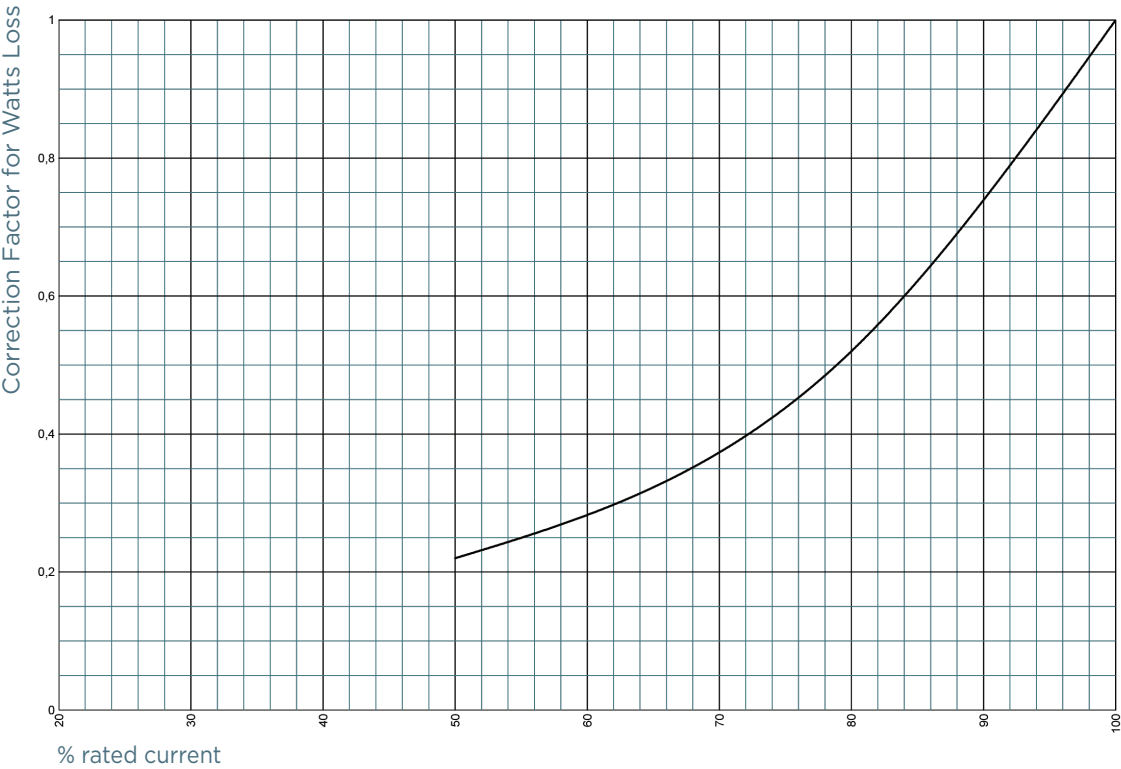


L/R TIME CONSTANT VS DC VOLTAGE CAPABILITY
4200V aR 200A-375A



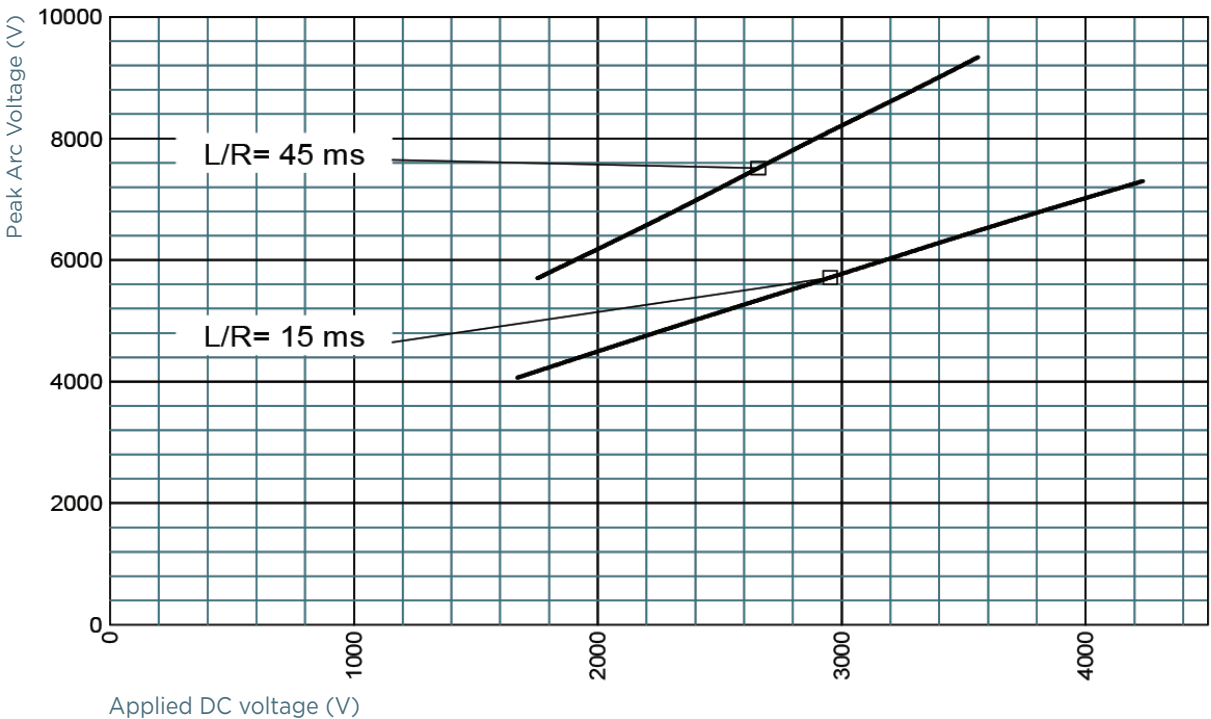
POWER DISSIPATION

4200V aR 200A-375A



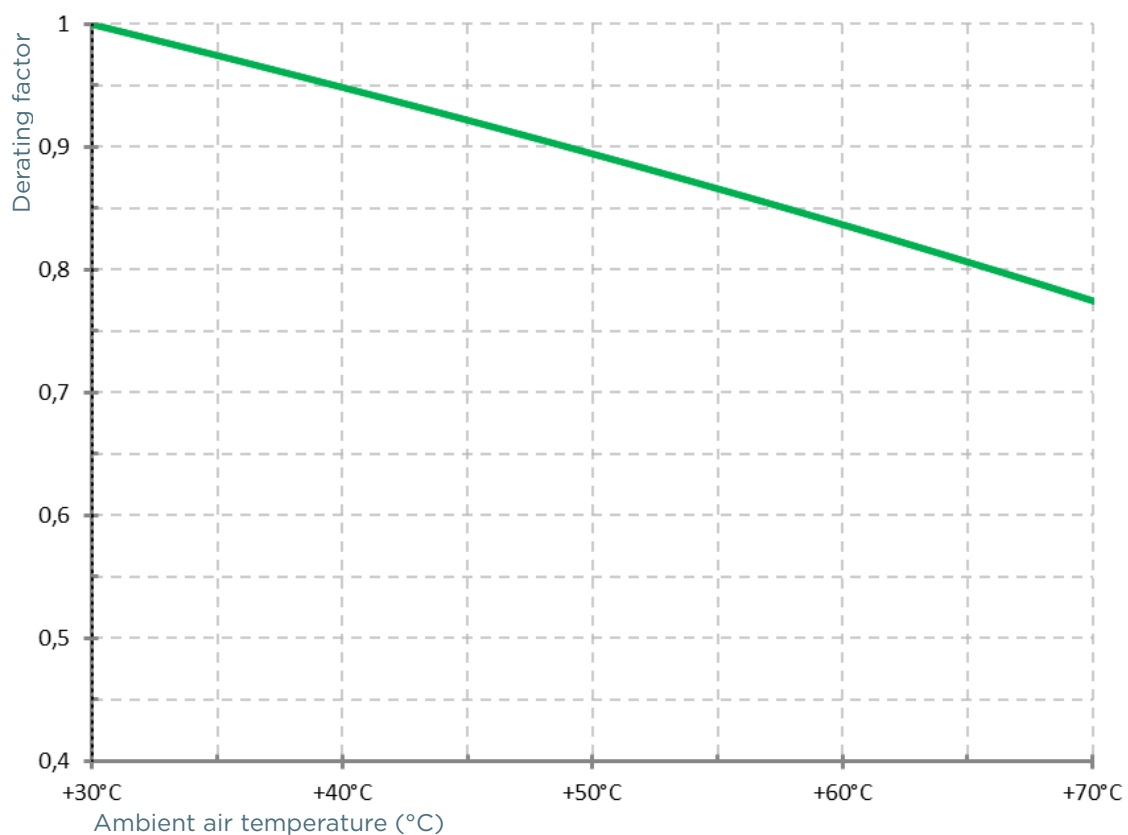
PEAK ARC VOLTAGE

4200V aR 200A-375A



TEMPERATURE DERATING

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

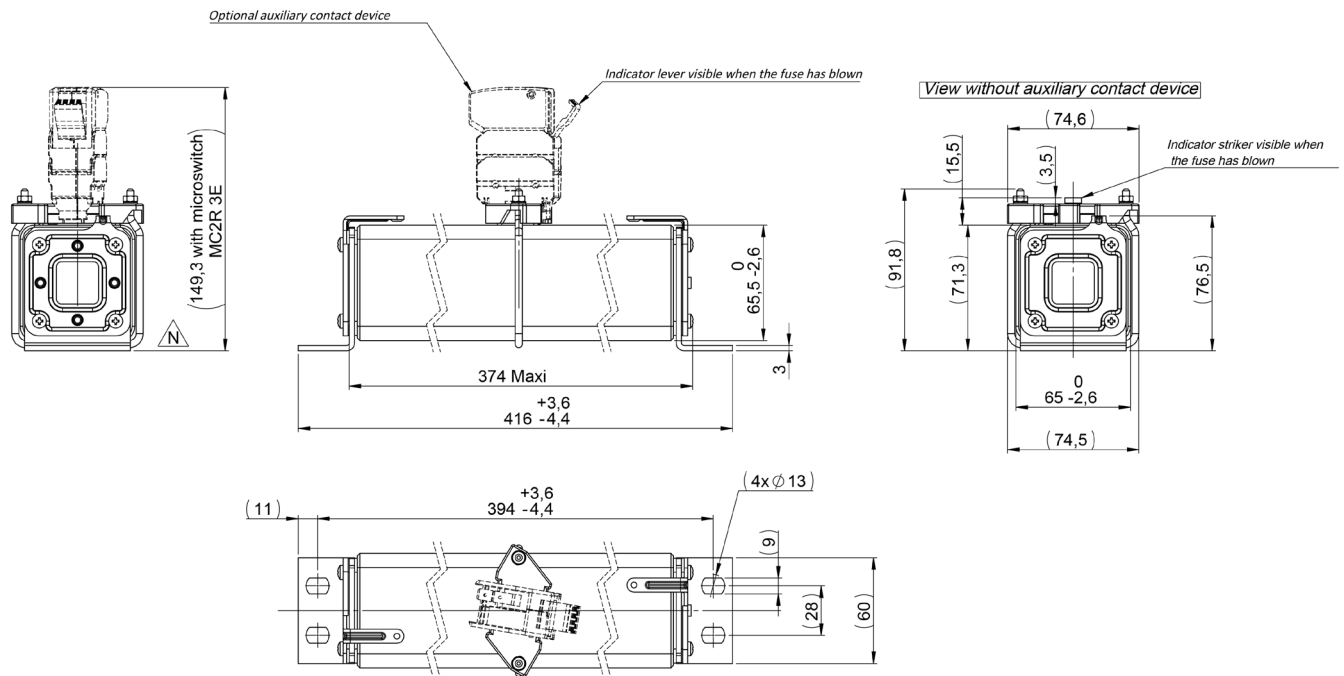


Protistor® size 602 aR

4200VDC

DIMENSIONS

Bracket size 602 aR 4200VDC



Dimensions in mm