

Protistor[®] size 36x190 gR (GRC/D)

1500VDC

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.

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

TECHNICAL DATA OVERVIEW

Voltage Range DC	1500VDC
Ampere Range (A)	40A...100A
Speed/Characteristic	gR
Product Size	36x190
Max. Interrupting Rating IR	100kA @Rated Voltage, L/R= 30ms
	60kA @Rated Voltage, L/R= 60ms
Weight	508 g
Package	1 pc

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PRODUCT RANGE



Size 36x190 gR with trip-indicator

FD36GC150V40T

Catalog number	Item number	Rated voltage DC	Rated current I_n	Watt Loss @0,8 I_n	Watt Loss @ I_n
FD36GC150V40T	M080419	1500 V	40 A	14 W	26 W
FD36GC150V50T	N080420	1500 V	50 A	16,5 W	30 W
FD36GC150V63T	P080421	1500 V	63 A	20,6 W	38 W
FD36GD150V80T	N221134	1500 V	80 A	18 W	33 W
FD36GD150V100T	Y220154	1500 V	100 A	23 W	42 W



Size 36x190 gR without trip-indicator

FD36GC150V40

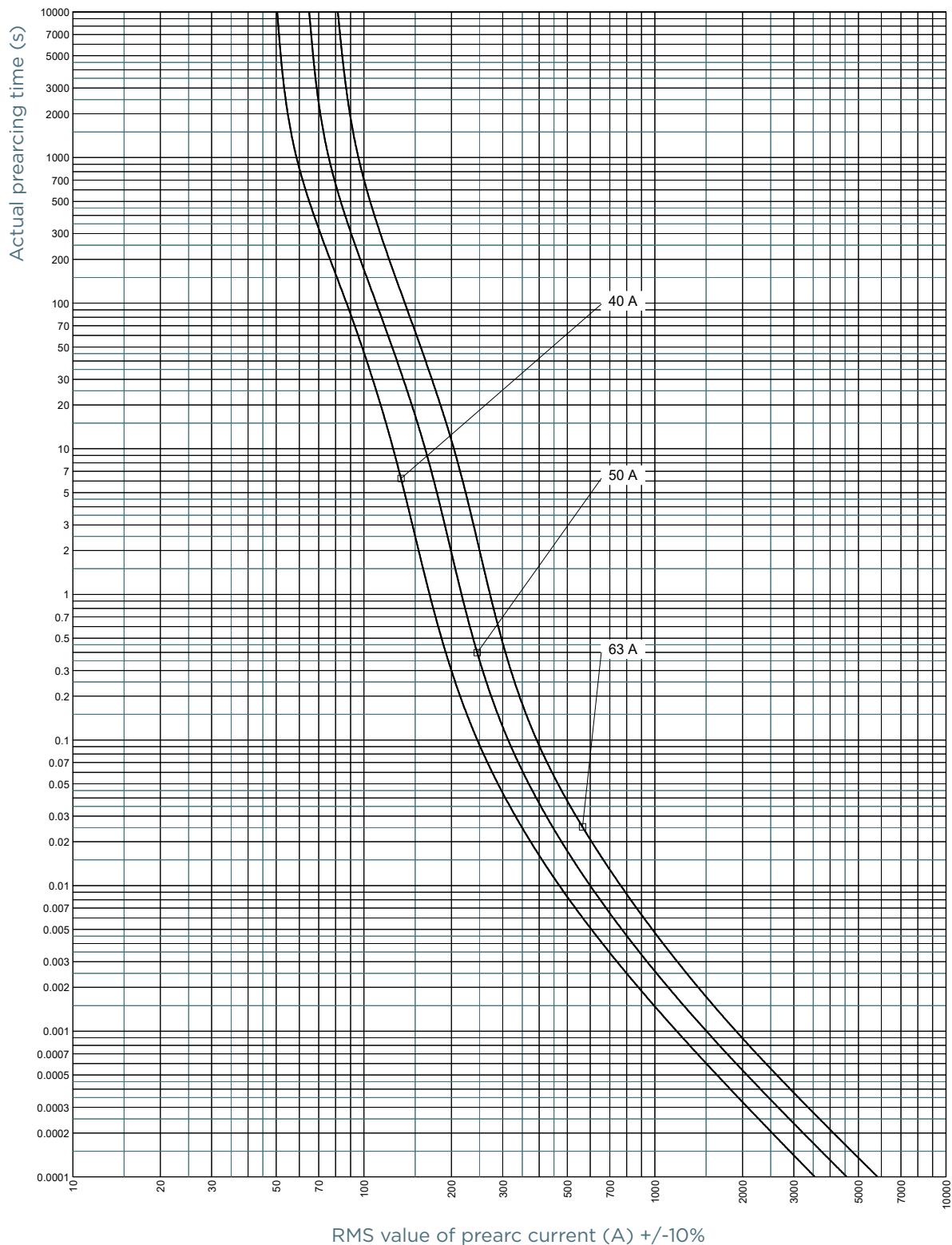
Catalog number	Item number	Rated voltage DC	Rated current I_n	Watt Loss @0,8 I_n	Watt Loss @ I_n
FD36GC150V40	H089477	1500 V	40 A	14 W	26 W
FD36GC150V50	J089478	1500 V	50 A	16,5 W	30 W
FD36GC150V63	K089479	1500 V	63 A	20,6 W	38 W
FD36GD150V80	Q078007	1500 V	80 A	18 W	33 W
FD36GD150V100	K078025	1500 V	100 A	23 W	42 W

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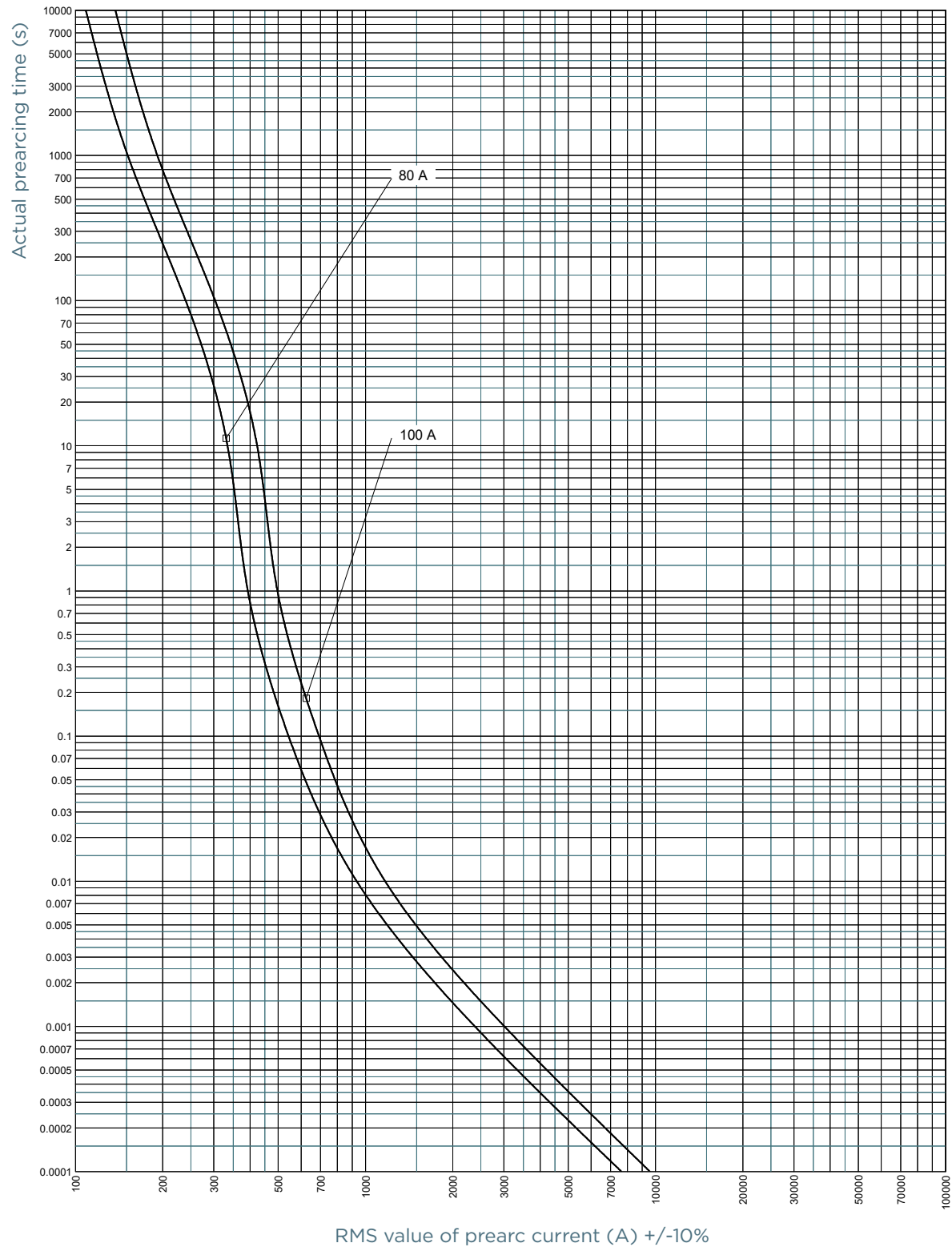
TIME CURRENT CHARACTERISTIC CURVES

1500V gRC 40A-63A



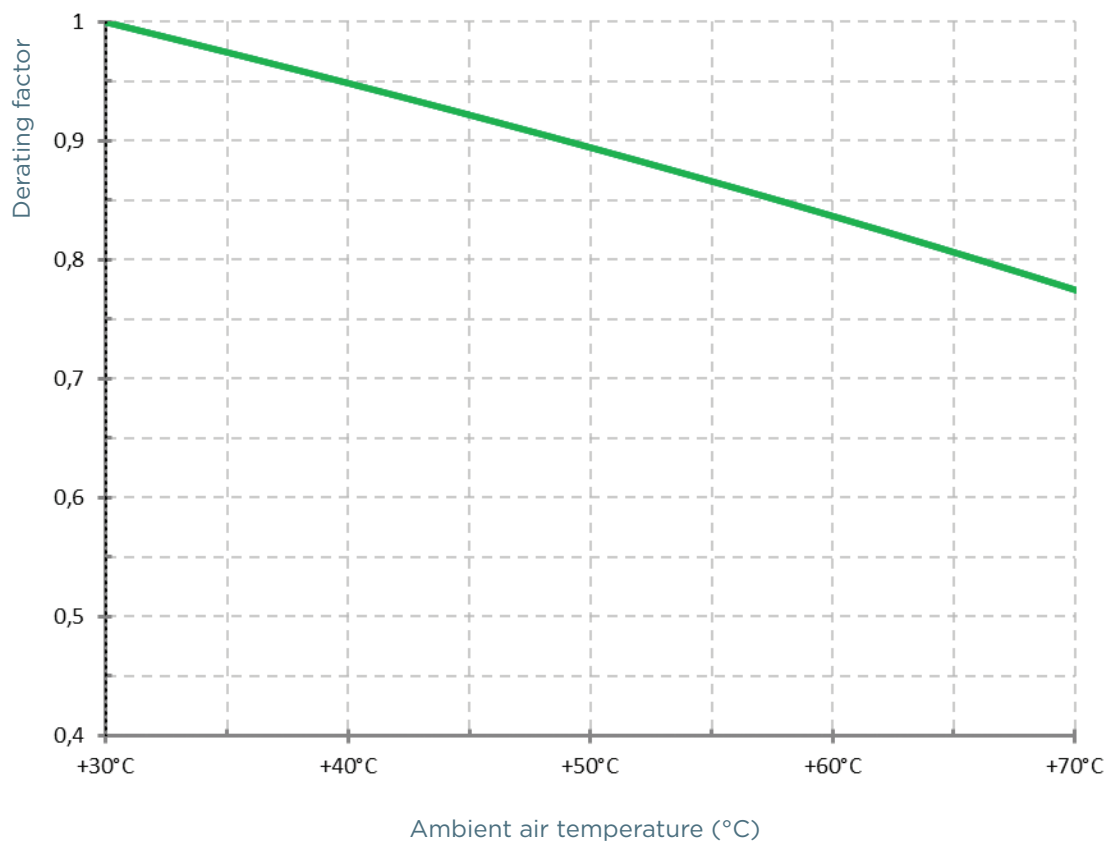
TIME CURRENT CHARACTERISTIC CURVES

1500V gRD 80A-100A



TEMPERATURE DERATING

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

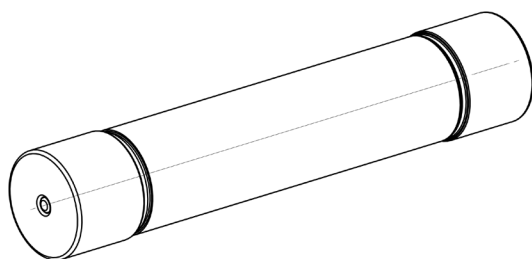
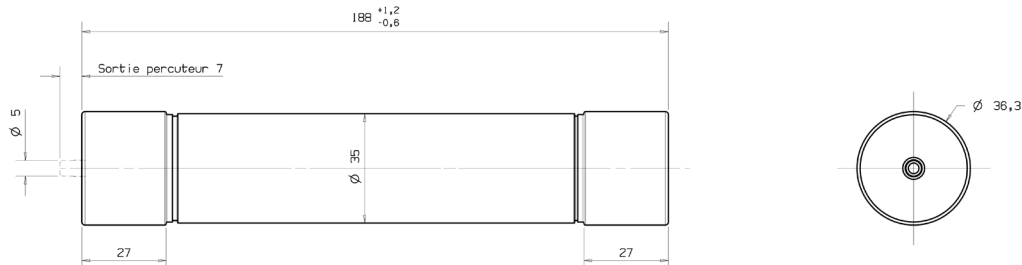


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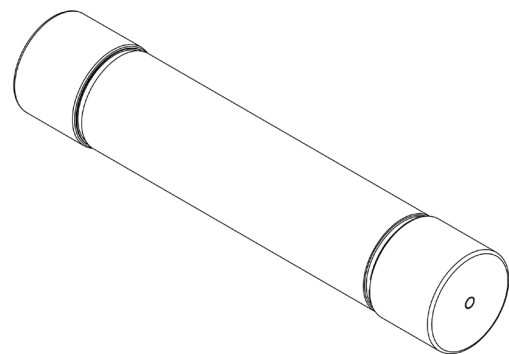
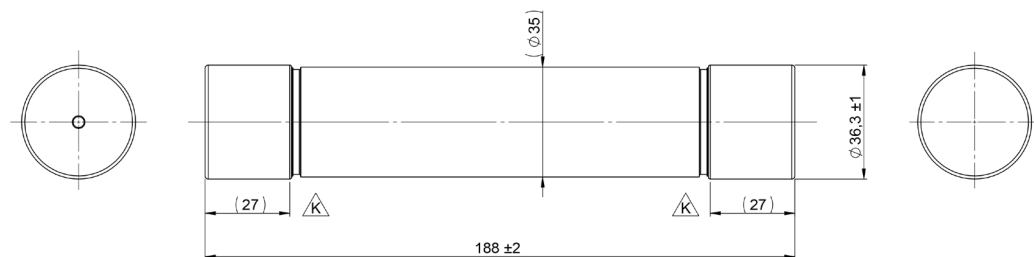
1500VDC

DIMENSIONS

Size 36x190 gR with trip-indicator



Size 36x190 gR without trip-indicator



Dimensions in mm