

Protistor® size 20x190 gR (GRC)

1500VDC

SEMICONDUCTOR PROTECTION FUSES

IEC HIGH-SPEED CYLINDRICAL FUSE-LINKS DC PROTECTION



FEATURES & BENEFITS

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

APPLICATIONS

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

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	1500VDC
Ampere Range (A)	6A...32A
Speed/Characteristic	gR
Product Size	20x190
Max. Interrupting Rating IR	60kA @Rated Voltage, L/R= 40ms
Package	1
Weight	176 g

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PRODUCT RANGE



FD20GC150V12T

1500V gR 1500VDC with trip-indicator

Catalog number	Item number	Rated voltage DC	Rated current I_n	Watt Loss @0,8 I_n	Watt Loss @ I_n
FD20GC150V6T	D083102	1500 V	6 A	4,8 W	7,8 W
FD20GC150V8T	V083738	1500 V	8 A	5,3 W	8,8 W
FD20GC150V10T	G087245	1500 V	10 A	6,5 W	10,5 W
FD20GC150V12T	Y080429	1500 V	12 A	7,0 W	11,5 W
FD20GC150V16T	N088378	1500 V	16 A	8,0 W	13 W
FD20GC150V20T	Q087345	1500 V	20 A	9,5 W	15 W
FD20GC150V25T	Z080430	1500 V	25 A	12 W	19,5 W
FD20GC150V32T	G085911	1500 V	32 A	16 W	26 W



FD20GC150V16

Size 20x190 gR 1500VDC without indicator

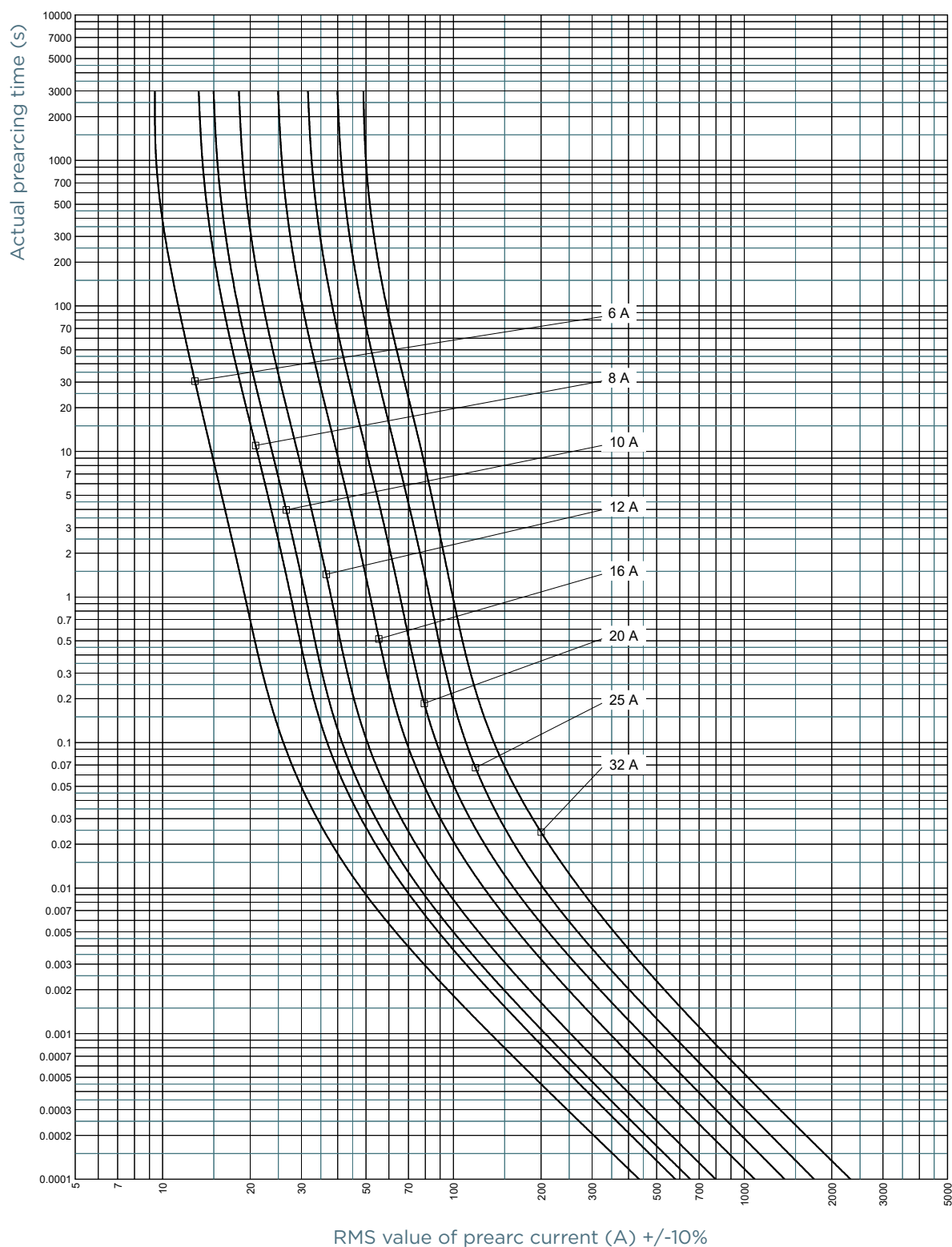
Catalog number	Item number	Rated voltage DC	Rated current I_n	Watt Loss @0,8 I_n	Watt Loss @ I_n
FD20GC150V6	Z089469	1500 V	6 A	4,8 W	7,8 W
FD20GC150V8	A089470	1500 V	8 A	5,3 W	8,8 W
FD20GC150V10	B089471	1500 V	10 A	6,5 W	10,5 W
FD20GC150V12	C089472	1500 V	12 A	7,0 W	11,5 W
FD20GC150V16	D089473	1500 V	16 A	8,0 W	13 W
FD20GC150V20	E089474	1500 V	20 A	9,5 W	15 W
FD20GC150V25	F089475	1500 V	25 A	12 W	19,5 W
FD20GC150V32	G089476	1500 V	32 A	16 W	26 W

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TIME CURRENT CHARACTERISTIC CURVES

1500V gRC 6A-32A

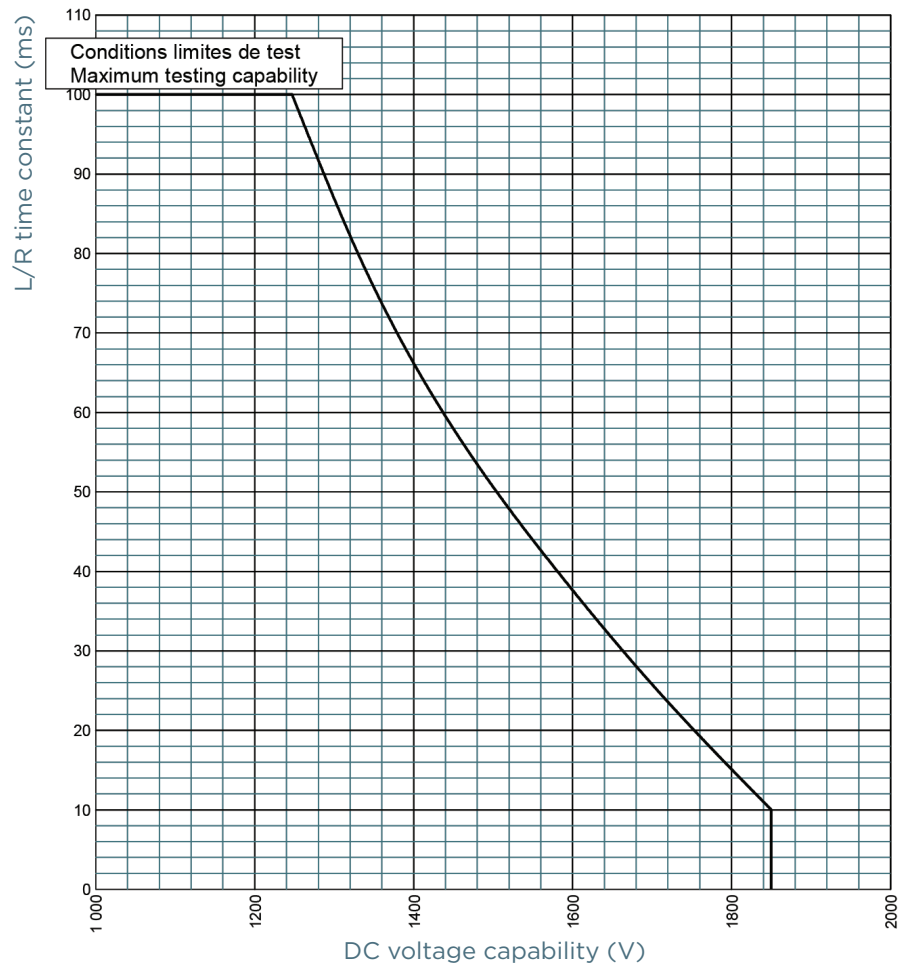


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L/R TIME CONSTANT VS DC VOLTAGE CAPABILITY

1500V gRC 6A-32A

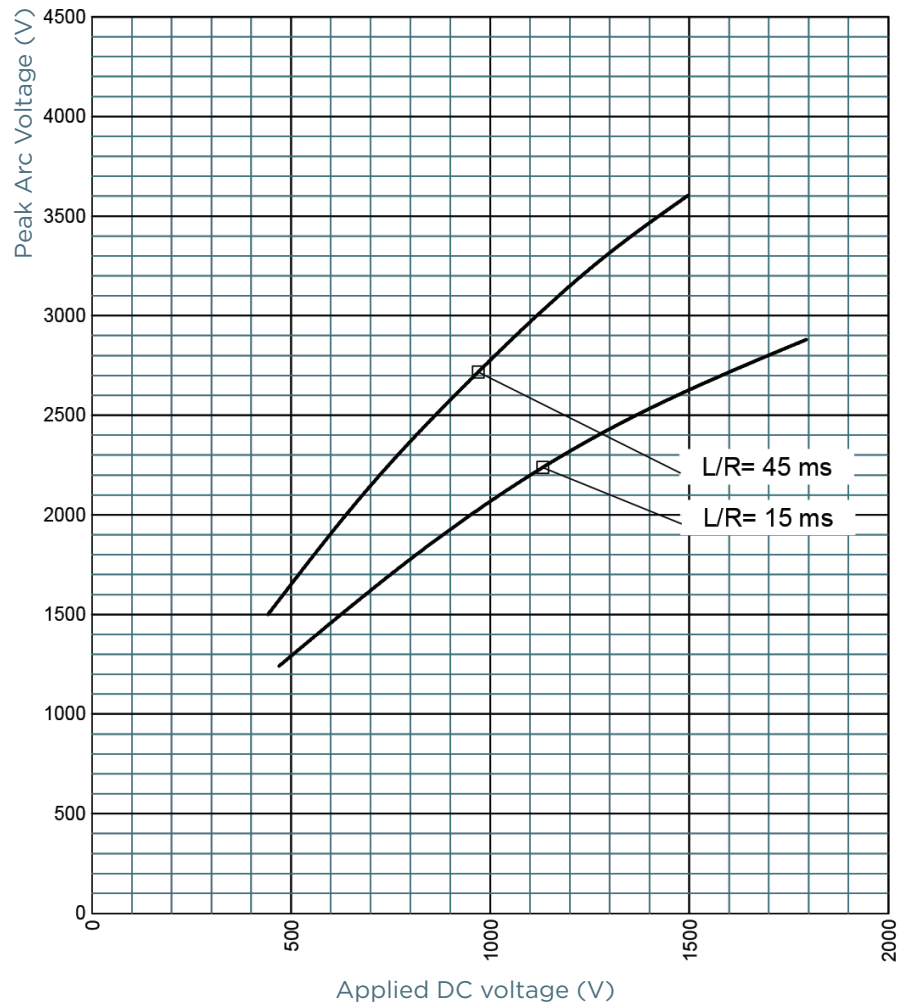


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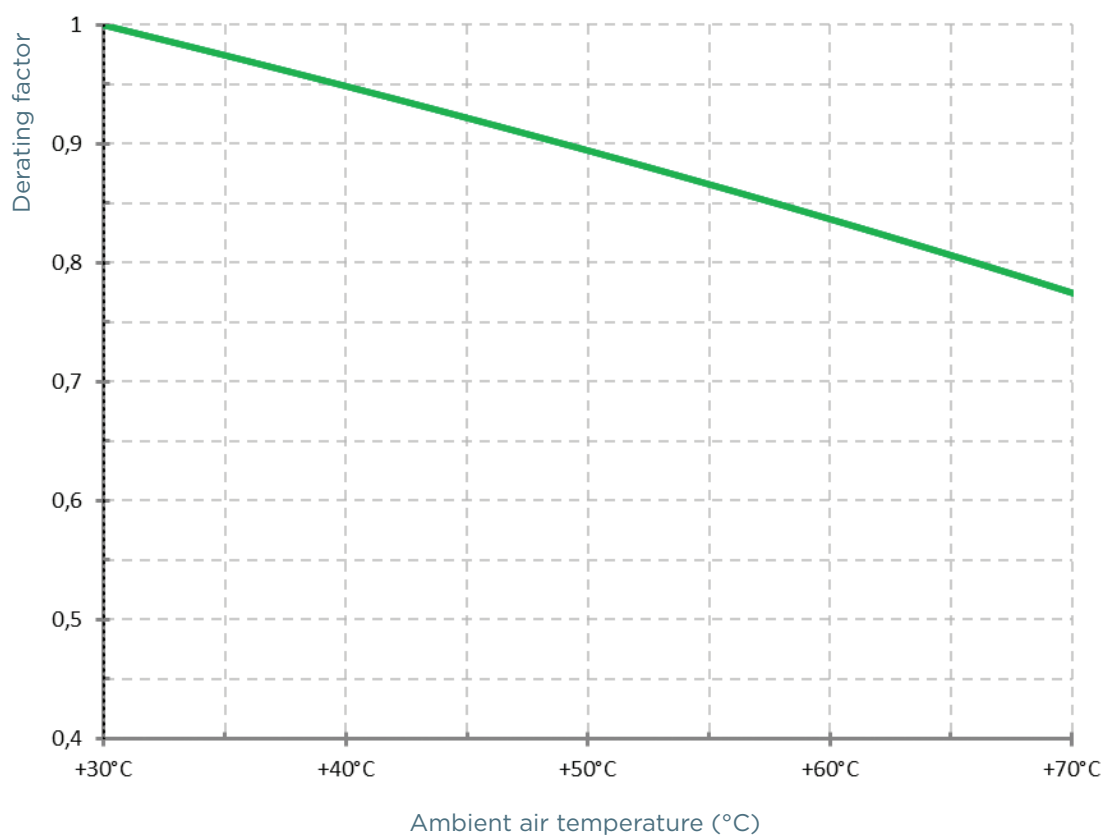
PEAK ARC VOLTAGE

1500V gRC 6A-32A



TEMPERATURE DERATING

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

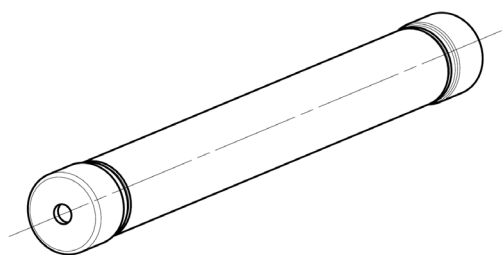
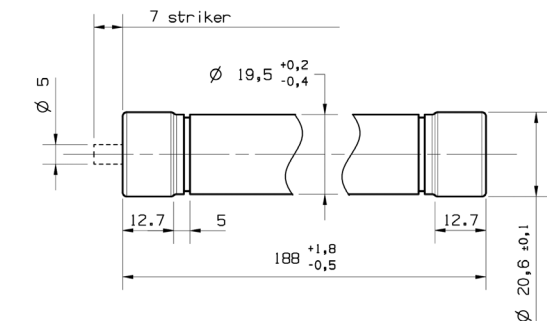


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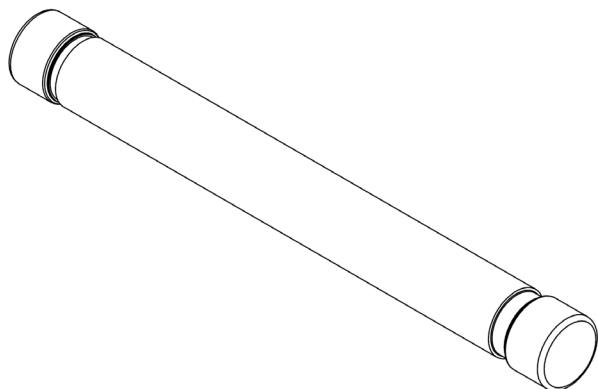
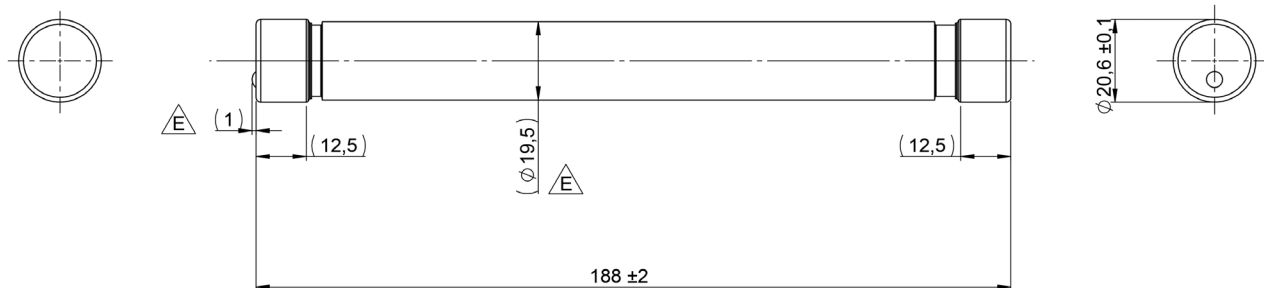
1500VDC

DIMENSIONS

Size 20x190 gR 1500VDC with trip-indicator



Size 20x190 gR 1500VDC without indicator



Dimensions in mm