

Protistor® size 22x58 gR (GRC)

690VAC (IEC) / 700VAC (UL)

IEC High-Speed Cylindrical Fuse-Links AC Protection

The 690/700V Protistor® ferrule fuses provide maximum flexibility in equipment design and ultimate protection for today's power conversion equipment. Their very low I^2t and extremely high breaking capacity provide them state-of-the-art protection for semiconductors.

They are available in different body sizes. Each fuse can be equipped with a low voltage trip-indicator.

Features Benefits

- IEC standard 60269-1 and 4 compliant
- NF C 63210 and 63211 compliant
- 700VAC-DC UL recognized
- 690VAC voltage rating as per IEC 33
- gR class according to VDE 636-23
- Clearing all overloads
- Improved safety and protection
- Enabling selective coordination among all
- Distribution circuit fuses
- With or without trip-indicator

Technical data overview

Voltage AC	690 VAC
Ampere Range (A)	12 ... 100 A
Size per Standard	22x58
Speed/Characteristic	gR
I.R. AC (kA)	100 kA



Standards

IEC 60269-1
IEC 60269-4
VDE 636-23
UL recognized



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Product range

Size 22x58 gR with trip-indicator



Catalog number	Reference number	Rated voltage AC (IEC)	Rated current I _n	Pre-arcing I ² t	Clearing I ² t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I _n	Weight	Package
FR22GC69V20T	D220734	690 V	20 A	17 A ² s	125 A ² s	100 kA	6.5 W	60 g	10
FR22GC69V25T	G220921	690 V	25 A	39 A ² s	280 A ² s	100 kA	7.5 W	60 g	10
FR22GC69V32T	F220920	690 V	32 A	72 A ² s	490 A ² s	100 kA	9 W	60 g	10
FR22GC69V40T	E220919	690 V	40 A	118 A ² s	785 A ² s	100 kA	10 W	60 g	10
FR22GC69V50T	D220918	690 V	50 A	242 A ² s	1390 A ² s	100 kA	11.5 W	60 g	10
FR22GC69V63T	C220733	690 V	63 A	430 A ² s	2460 A ² s	100 kA	13.5 W	60 g	10
FR22GC69V80T	X220820	690 V	80 A	970 A ² s	5565 A ² s	100 kA	15.5 W	60 g	10
FR22GC69V100T	C220917	690 V	100 A	2080 A ² s	11950 A ² s	100 kA	17 W	60 g	10

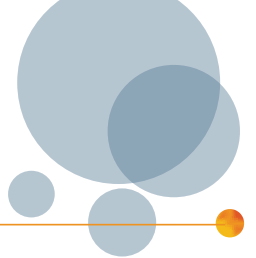
Size 22x58 gR without trip-indicator



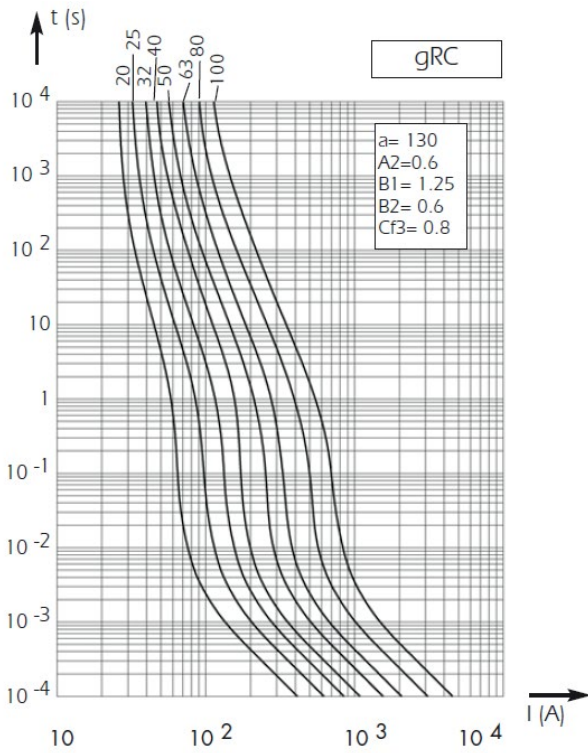
Catalog number	Reference number	Rated voltage AC (IEC)	Rated current I _n	Pre-arcing I ² t	Clearing I ² t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I _n	Weight	Package
FR22GC69V20	C220940	690 V	20 A	17 A ² s	125 A ² s	100 kA	6.5 W	60 g	10
FR22GC69V25	B220916	690 V	25 A	39 A ² s	280 A ² s	100 kA	7.5 W	60 g	10
FR22GC69V32	A220915	690 V	32 A	72 A ² s	490 A ² s	100 kA	9 W	60 g	10
FR22GC69V40	Z220914	690 V	40 A	118 A ² s	785 A ² s	100 kA	10 W	60 g	10
FR22GC69V50	Y220913	690 V	50 A	242 A ² s	1390 A ² s	100 kA	11.5 W	60 g	10
FR22GC69V63	X220912	690 V	63 A	430 A ² s	2460 A ² s	100 kA	13.5 W	60 g	10
FR22GC69V80	Y220821	690 V	80 A	970 A ² s	5565 A ² s	100 kA	15.5 W	60 g	10
FR22GC69V100	W220911	690 V	100 A	2080 A ² s	11950 A ² s	100 kA	17 W	60 g	10

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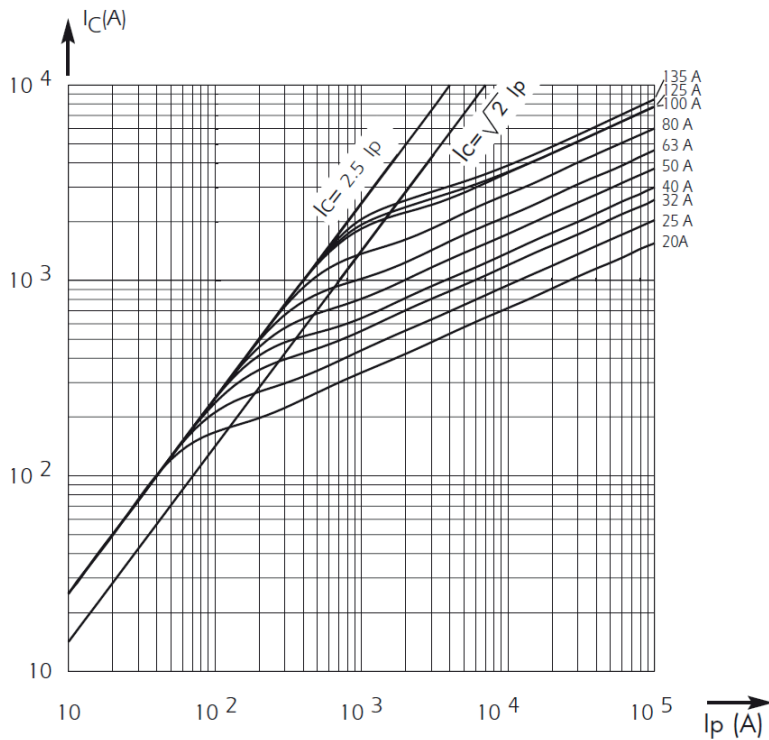
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Time current characteristic curves

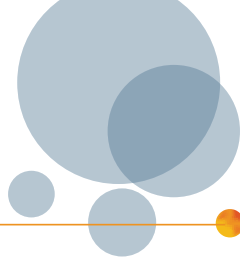


Current limiting diagram

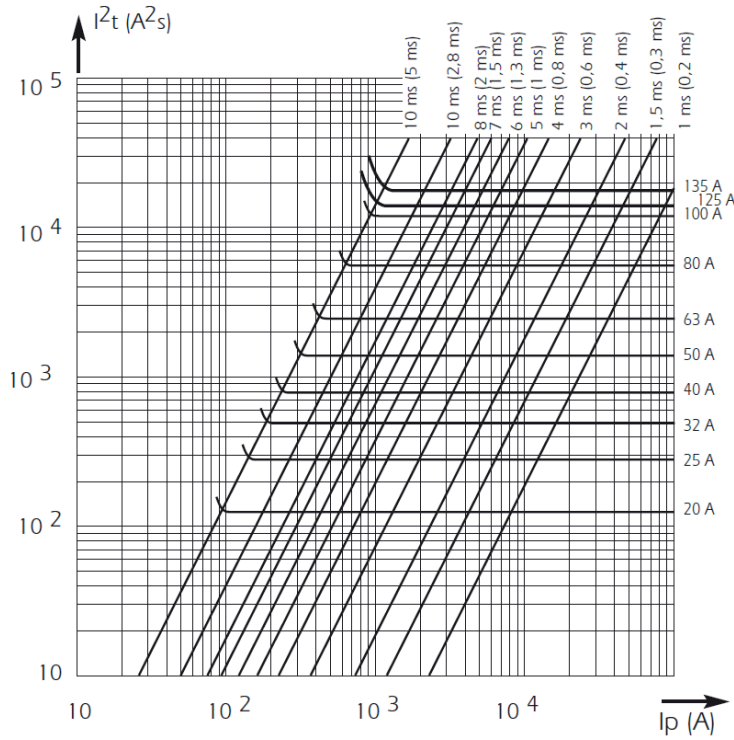


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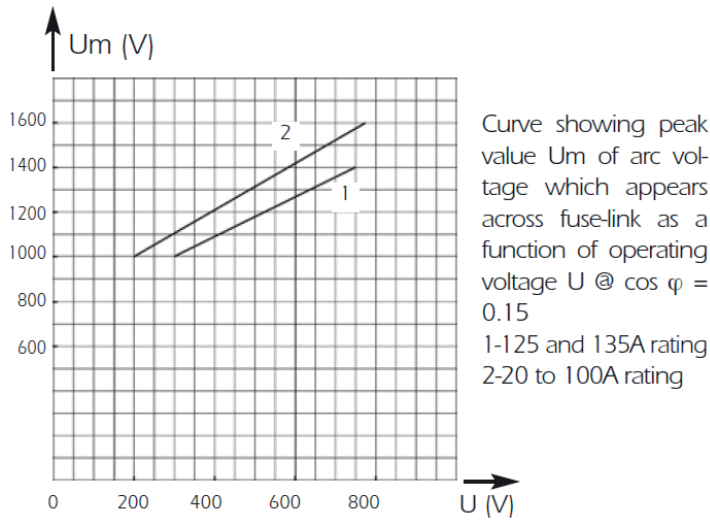
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Characteristics total I²t curve

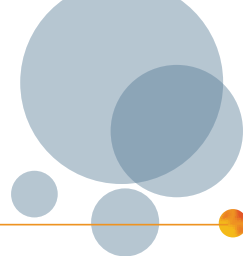


Peak arc voltage



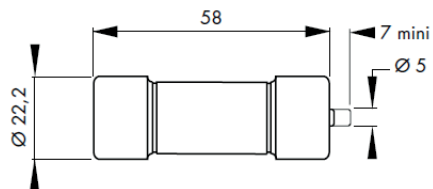
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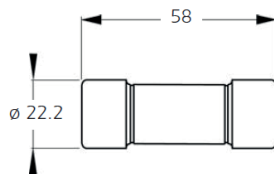


Dimensions

Size 22x58 with trip-indicator



Size 22x58 without trip-indicator



Dimensions in mm