Protistor® size 22x58 aR

690VAC (IEC) / 700VAC (UL)

SEMICONDUCTOR PROTECTION FUSES

IEC HIGH-SPEED CYLINDRICAL FUSE-LINKS AC PROTECTION



These Protistor® size 22x58 have been designed to protect power semi conductors, complying with standard IEC 60269-4. They are extremely high interrupting rating fuses with large band of ratings (current rating 25 to 135A).

Two models are existing: with or without striker.

TECHNICAL DATA OVERVIEW

Voltage AC	690 VAC
Rated Voltage	AC IEC: 690V AC UL: 700V DC UL: 500V
Ampere Range (A)	25 ... 135 A
Speed/Characteristic	aR
I.R. AC (IEC)	160 kA
I.R. AC (UL)	200 kA
I.R. DC (UL)	50 kA

FEATURES & BENEFITS

- Low I^2t for improved semiconductor protection
- Extremely fast acting
- Current limiting
- Excellent cycling capability
- UL recognized
- aR-class according to 60269-4

APPLICATIONS

- Protection of small inverters
- Protection of UPS systems
- Protection of variable speed drives
- Protection of other similar 700V or less equipments

STANDARDS

- IEC 60269-4
- UL recognized
- CSA
- RoHS compliant

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PRODUCT RANGE



FR22AR69V135T

Size 22x58 aR with striker

Catalog number	Item number	Rated voltage AC (IEC)	Rated current I_n	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I_n	Package	Weight
FR22AR69V25T	B1056667	690 V	25 A	32.4 A²s	300 A²s	160 kA	8.5 W	10	57 g
FR22AR69V32T	C1056668	690 V	32 A	60.3 A²s	650 A²s	160 kA	10.5 W	10	57 g
FR22AR69V40T	D1056669	690 V	40 A	101.8 A²s	950 A²s	160 kA	12 W	10	57 g
FR22AR69V50T	E1056670	690 V	50 A	217.6 A²s	1850 A²s	160 kA	13.4 W	10	57 g
FR22AR69V63T	F1056671	690 V	63 A	386.8 A²s	3100 A²s	160 kA	15.5 W	10	57 g
FR22AR69V80T	G1056672	690 V	80 A	840.1 A²s	6800 A²s	160 kA	16 W	10	57 g
FR22AR69V100T	H1056673	690 V	100 A	1890 A²s	13000 A²s	160 kA	17.8 W	10	57 g
FR22AR69V125T	J1056674	690 V	125 A	2897 A²s	15500 A²s	160 kA	22.8 W	10	57 g
FR22AR69V135T	K1056675	690 V	135 A	3360 A²s	18500 A²s	160 kA	27 W	10	57 g



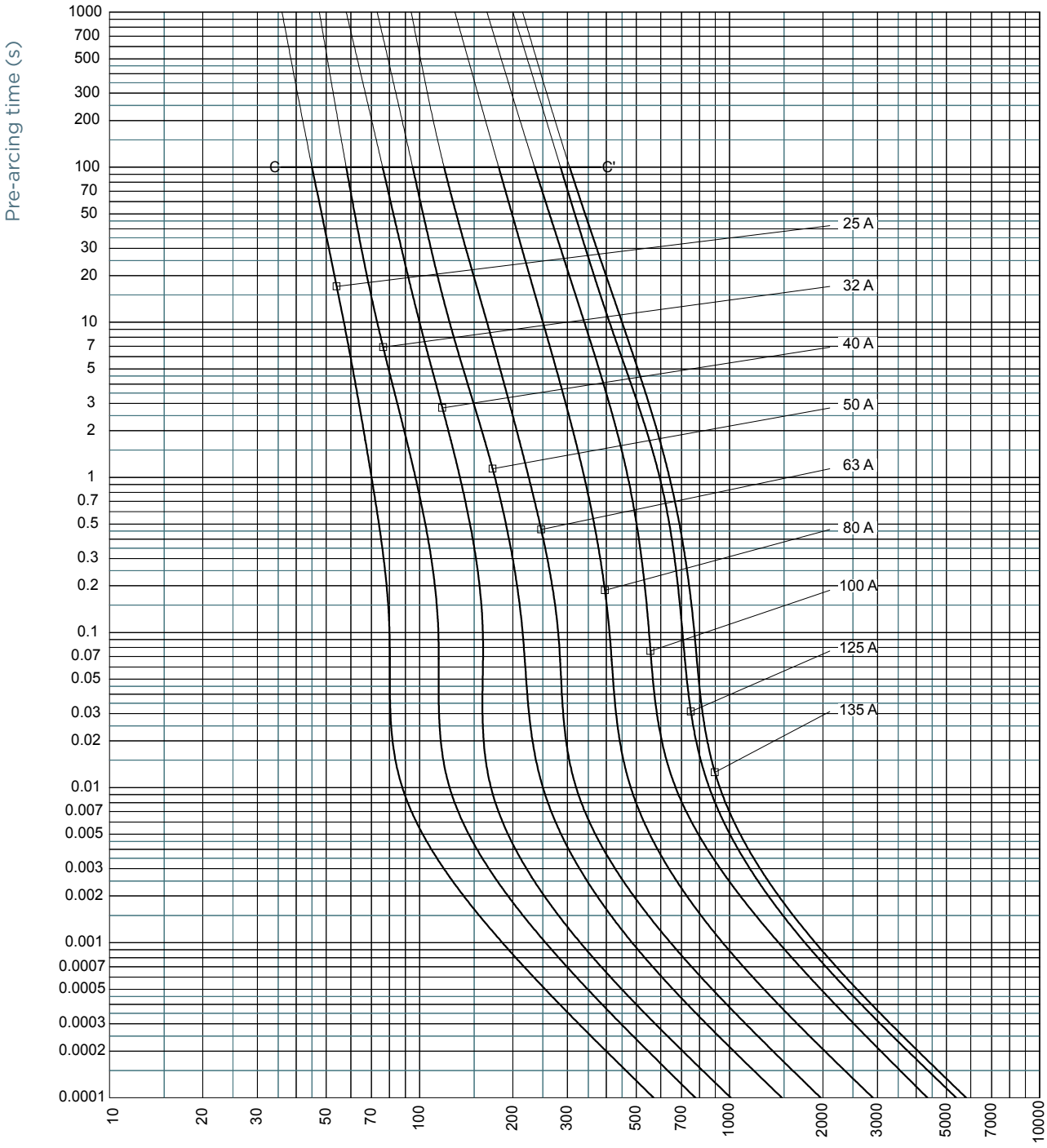
FR22AR69V63

Size 22x58 aR without striker

Catalog number	Item number	Rated voltage AC (IEC)	Rated current I_n	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I_n	Package	Weight
FR22AR69V25	Y1027316	690 V	25 A	32.4 A²s	300 A²s	160 kA	8.5 W	10	57 g
FR22AR69V32	Z1027317	690 V	32 A	60.3 A²s	650 A²s	160 kA	10.5 W	10	57 g
FR22AR69V40	A1027318	690 V	40 A	101.8 A²s	950 A²s	160 kA	12 W	10	57 g
FR22AR69V50	B1027319	690 V	50 A	217.6 A²s	1850 A²s	160 kA	13.4 W	10	57 g
FR22AR69V63	C1027320	690 V	63 A	386.8 A²s	3100 A²s	160 kA	15.5 W	10	57 g
FR22AR69V80	D1027321	690 V	80 A	840.1 A²s	6800 A²s	160 kA	16 W	10	57 g
FR22AR69V100	E1027322	690 V	100 A	1890 A²s	13000 A²s	160 kA	17.8 W	10	57 g
FR22AR69V125	F1027323	690 V	125 A	2897 A²s	15500 A²s	160 kA	22.8 W	10	57 g
FR22AR69V135	G1027324	690 V	135 A	3360 A²s	18500 A²s	160 kA	27 W	10	57 g

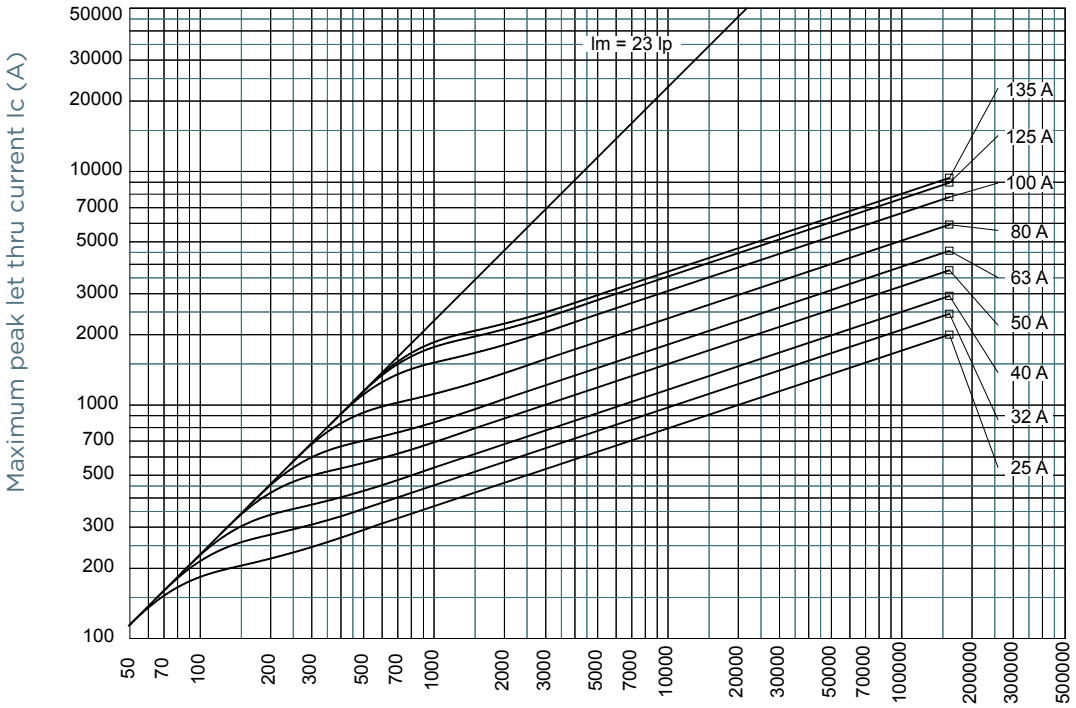
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TIME CURRENT CHARACTERISTIC CURVES

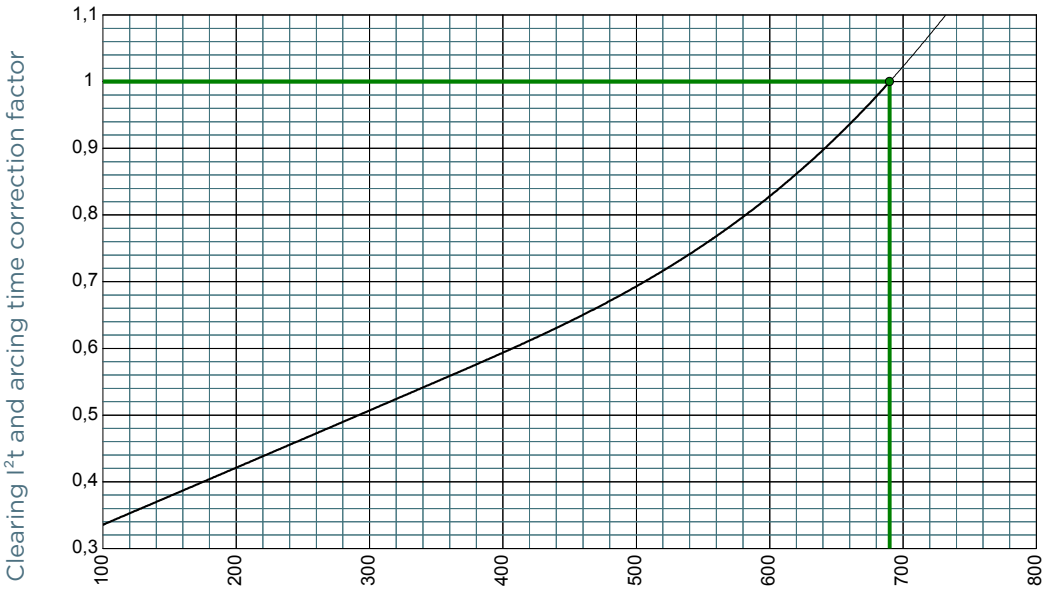


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CUT-OFF CURRENT CHARACTERISTIC

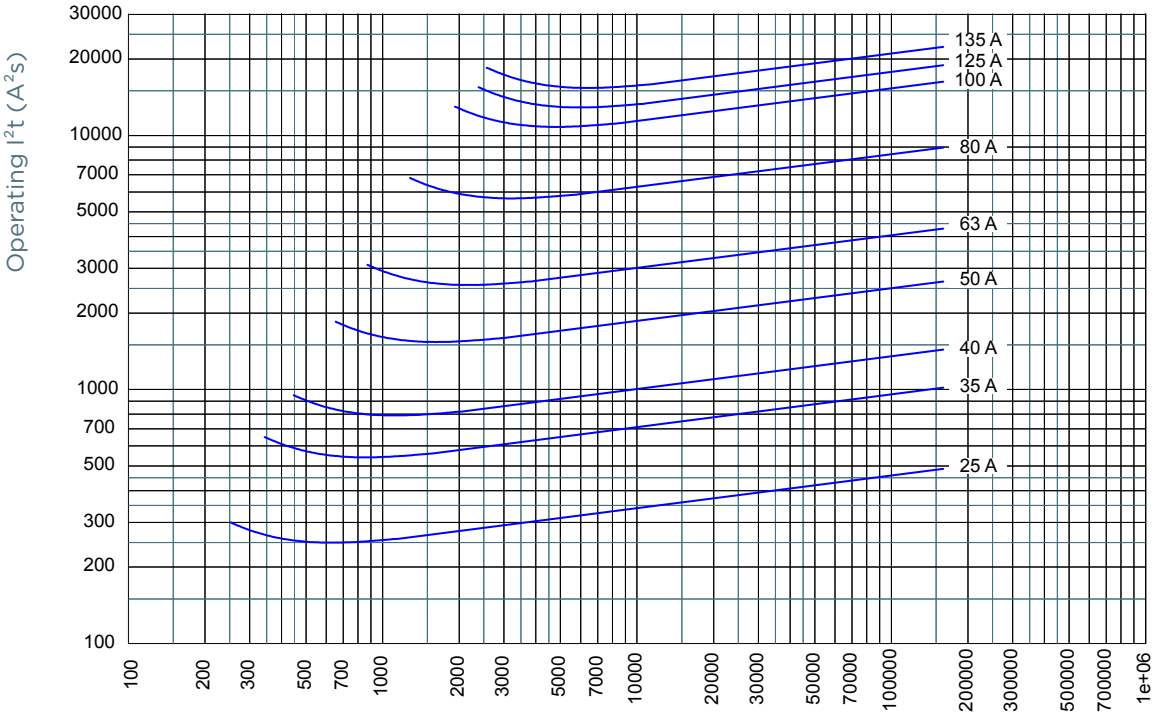


I²T MULTIPLIER COEFFICIENT

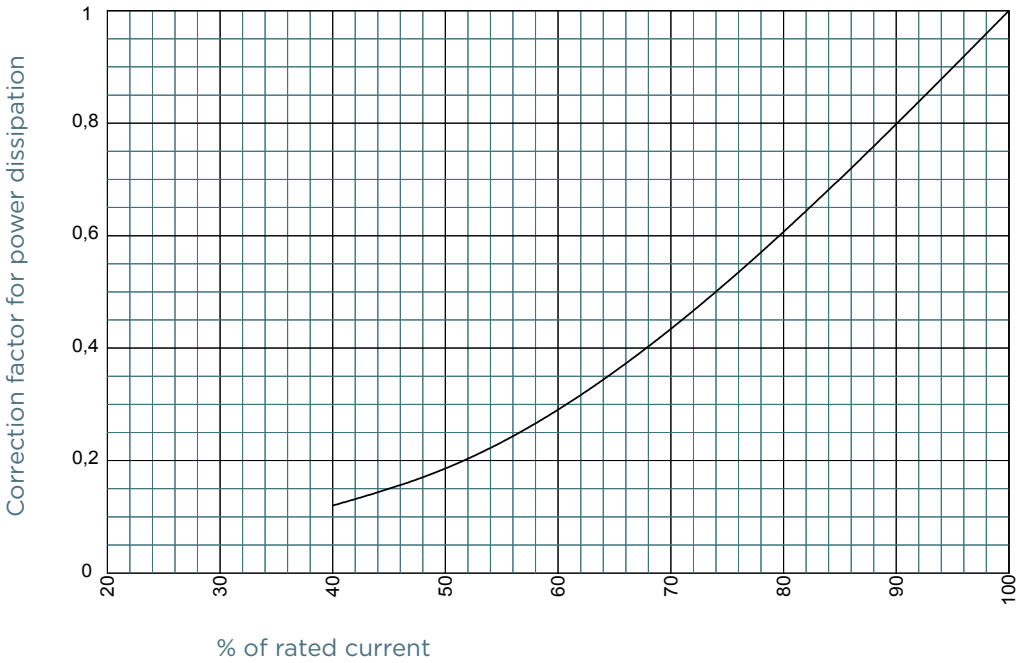


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CHARACTERISTICS TOTAL I^2T CURVE



POWER DISSIPATION

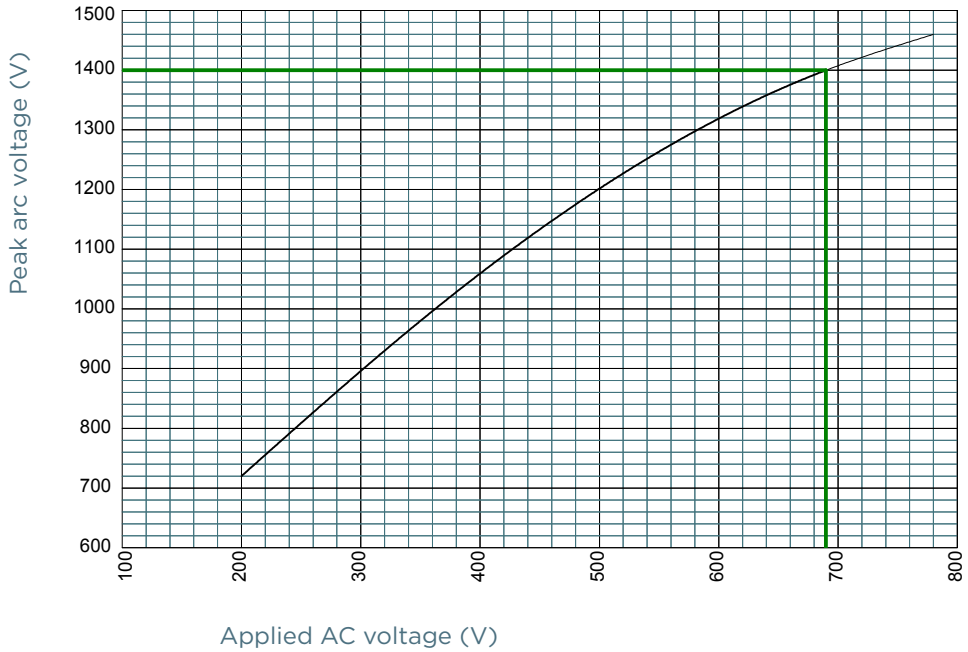


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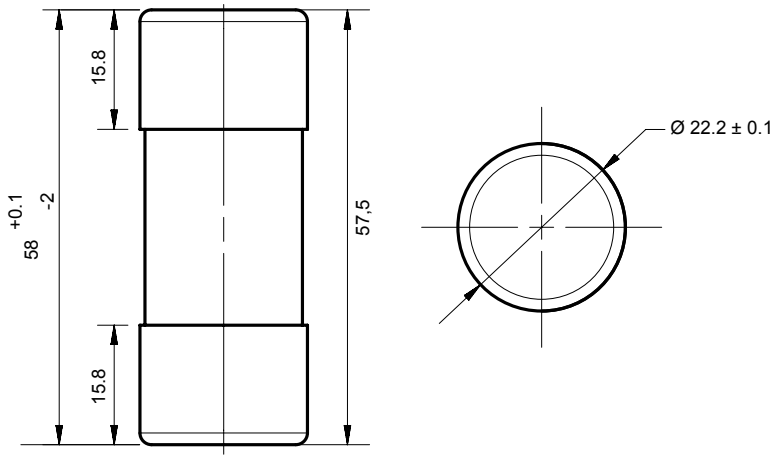
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PEAK ARC VOLTAGE



DIMENSIONS

Size 22x58 aR without striker



Dimensions in mm

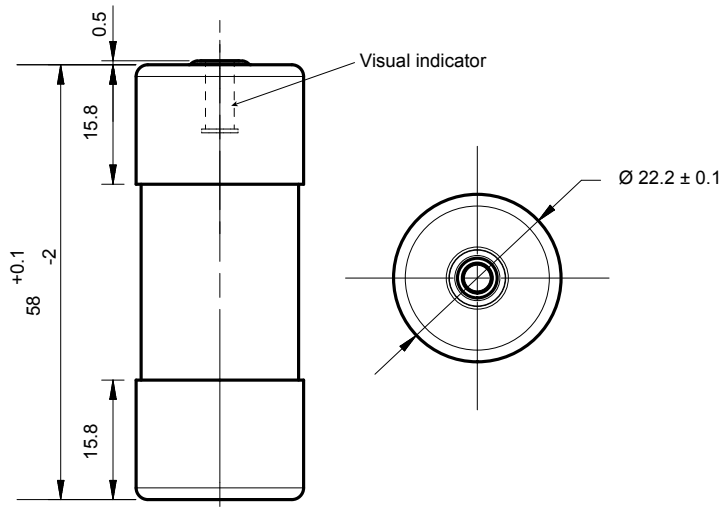
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DIMENSIONS

Size 22x58 aR with striker



Dimensions in mm

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