

Protistor® size 22x58 aR (URGA)

600VAC to 690VAC (IEC)

IEC High-Speed Cylindrical Fuse-Links AC Protection

These Protistor® size 22x58 have been designed to protect power semi conductors, complying with standard IEC 60269-1 and -4. They are extremely high interrupting rating fuses: 600-690VAC, with large band of ratings (current rating 25 to 100A).

Two models are existing, as per NF C 63210 and 63211: with or without trip-indicator.

Features Benefits

- Low I²t for improved semiconductor protection
- Eliminate all overloads
- Extremely fast acting
- Current limiting
- Excellent cycling capability
- aR-class according to VDE 636-23 and IEC 60269-4

Technical data overview

| | |
|----------------------|-----------------|
| Voltage Range AC | 600 ... 690 VAC |
| Ampere Range (A) | 25 ... 100 A |
| Speed/Characteristic | aR |
| I.R. AC (kA) | 200 kA |
| Product Size | 22x58 |



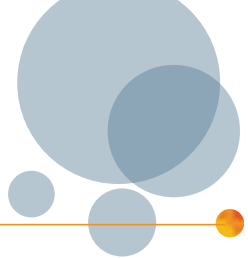
Standards

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



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Product range

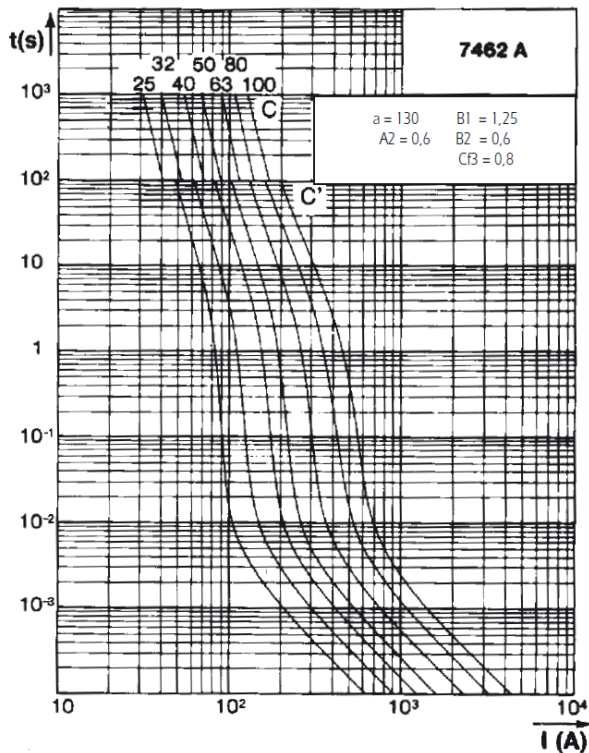
Size 22x58 aR with trip-indicator

| 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 |
|----------------|------------------|------------------------|------------------------------|-----------------------------|--|----------------------------|-------------------------------------|--------|---------|
| FR22UA69V25T | T095260 | 690 V | 25 A | 45 A ² s | 210 A ² s | 200 kA | 8.5 W | 57 g | 10 |
| FR22UA69V32T | V095261 | 690 V | 32 A | 84 A ² s | 400 A ² s | 200 kA | 10.3 W | 57 g | 10 |
| FR22UA69V40T | W095262 | 690 V | 40 A | 150 A ² s | 700 A ² s | 200 kA | 12.8 W | 57 g | 10 |
| FR22UA69V50T | X095263 | 690 V | 50 A | 270 A ² s | 1270 A ² s | 200 kA | 15.7 W | 57 g | 10 |
| FR22UA69V63T | Y095264 | 690 V | 63 A | 595 A ² s | 2770 A ² s | 200 kA | 17.7 W | 57 g | 10 |
| FR22UA69V80T | Z095265 | 690 V | 80 A | 1165 A ² s | 5500 A ² s | 200 kA | 21.7 W | 57 g | 10 |
| FR22UA60V100T | N098222 | 600 V | 100 A | 2150 A ² s | 9000 A ² s | 200 kA | 25.6 W | 57 g | 10 |

Size 22x58 aR without trip-indicator

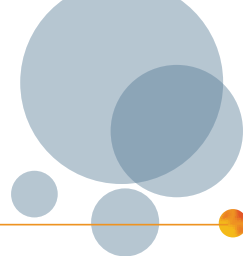
| Catalog number | Reference number | Rated voltage AC (IEC) | Rated current I _n | Pre-arcing I ² t | Clearing I ² t at Rated Voltage | Rated breaking capacity AC | Power dissipation at I _n | Weight | Package |
|----------------|------------------|------------------------|------------------------------|-----------------------------|--|----------------------------|-------------------------------------|--------|---------|
| FR22UA69V25 | C095245 | 690 V | 25 A | 45 A ² s | 210 A ² s | 200 kA | 8.5 W | 57 g | 10 |
| FR22UA69V32 | D095246 | 690 V | 32 A | 84 A ² s | 400 A ² s | 200 kA | 10.3 W | 57 g | 10 |
| FR22UA69V40 | E095247 | 690 V | 40 A | 150 A ² s | 700 A ² s | 200 kA | 12.8 W | 57 g | 10 |
| FR22UA69V50 | F095248 | 690 V | 50 A | 270 A ² s | 1270 A ² s | 200 kA | 15.7 W | 57 g | 10 |
| FR22UA69V63 | G095249 | 690 V | 63 A | 595 A ² s | 2770 A ² s | 200 kA | 17.7 W | 57 g | 10 |
| FR22UA69V80 | H095250 | 690 V | 80 A | 1165 A ² s | 5500 A ² s | 200 kA | 21.7 W | 57 g | 10 |
| FR22UA69V100 | N078051 | 690 V | 100 A | 2150 A ² s | 9000 A ² s | 200 kA | 25.6 W | 57 g | 10 |

Time current characteristic curves

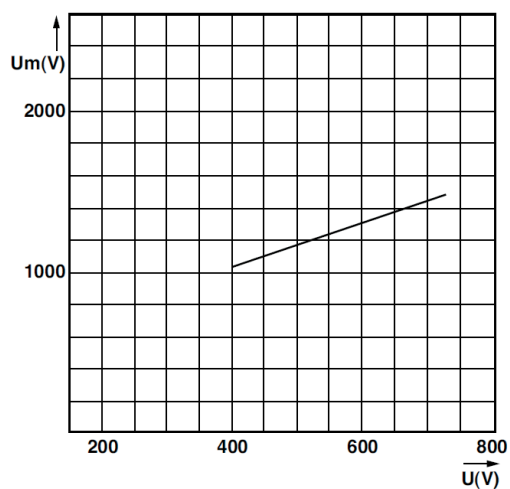


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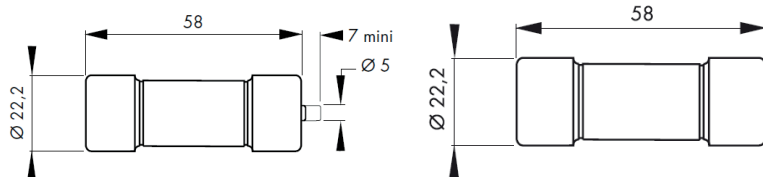
Peak arc voltage



Dimensions

Size 22x58 with trip-indicator

Size 22x58 without trip-indicator



Dimensions in mm