

Protistor® size 73 gR

350 to 600VDC

SEMICONDUCTOR PROTECTION FUSES

SQUARE BODY HIGH-SPEED FUSE-LINKS DC PROTECTION



These Protistor® fuse-links provide maximum flexibility in equipment design and ultimate protection for today's power conversion equipment. These square body fuse-links are available in different body sizes, each size having multiple worldwide acceptable mounting styles.

The Protistor® have been engineered to provide state-of-the-art protection for semiconductors: diodes, thyristors, GTO's and IGBT devices. Fuses are assembled with pure silver, die-cut elements embedded in solidified sand, which helps control arcing characteristics for a lower I^2t and high interrupting rating level. All contact surfaces are silver plated and all hardware is non-magnetic. All fuse-links can be equipped with a low voltage trip-indicator which can operate a field mountable microswitch.

TECHNICAL DATA OVERVIEW

Voltage Range DC	350 ... 600 VDC
Ampere Range (A)	315 ... 1000 A
Speed/Characteristic	gR
Product Size	73

FEATURES & BENEFITS

- Multiple body sizes and terminals or blades combination
- gR Class according to IEC 60269-4 and VDE 636-23
- Low I^2t for improved semiconductor protection
- Extremely fast acting
- Eliminate all overloads
- Excellent cycling capability

APPLICATIONS

- Protection of inverters, motor drives, UPS systems and similar 600V or less equipments.

STANDARDS

- IEC 60269-4 Compliance
- UL/CSA Recognized E76491



PRODUCT RANGE

Size 73 type EF style notched blade connections

Catalog number	Item number	Rated voltage DC (IEC)	Rated voltage DC (UL)	Rated current I _n	Pre-arcing I ² t	Power dissipation at I _n	Package	Weight
D73GB55V550EF	G233019	550 V	600 V	550 A	68007 A²s	84 W	1	1.38 kg

Size 73 type TTF-with one ISO metric threaded hole

Catalog number	Item number	Rated voltage DC (IEC)	Rated voltage DC (UL)	Rated current I _n	Pre-arcing I ² t	Power dissipation at I _n	Package	Weight
D73GB60V315TF	P302095	600 V	650 V	315 A	11796 A²s	66 W	1	1.11 kg
D73GB60V400TF	Q302096	600 V	650 V	400 A	26542 A²s	68 W	1	1.11 kg
D73GB60V450TF	R302097	600 V	450 V	450 A	34113 A²s	71 W	1	1.11 kg
D73GB60V500TF	S302098	600 V	650 V	500 A	47309 A²s	79 W	1	1.11 kg
D73GB55V550TF	T302099	550 V	600 V	550 A	68007 A²s	84 W	1	1.11 kg
D73GB55V630TF	V302100	550 V	600 V	630 A	101610 A²s	89 W	1	1.11 kg
D73GB45V700TF	Y302218	450 V	500 V	700 A	138970 A²s	94 W	1	1.11 kg
D73GB45V800TFB	L234058	450 V	500 V	800 A	226868 A²s	96 W	1	1.11 kg
D73GB35V900TF	B302681	350 V	400 V	900 A	278855 A²s	109 W	1	1.11 kg
D73GB35V1000TF	M302645	350 V	400 V	1000 A	385793 A²s	115 W	1	1.11 kg

Applied DC voltage (V)