

# Protistor® size 14x51 aR (URGB)

690VAC (IEC)

## IEC High-Speed Cylindrical Fuse-Links AC Protection

These Protistor® size 14x51 have been designed to protect power semi conductors, complying with standard IEC 60269-1 and -4. They are extremely high interrupting rating fuses: 690V voltage, with large band of ratings (current rating 8 to 50A).

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

### Features Benefits

- Low I<sup>2</sup>t 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 AC	690 VAC
Ampere Range (A)	8 ... 50 A
Speed/Characteristic	aR (URGB)
I.R. AC (kA)	200 kA
Product Size	14x51



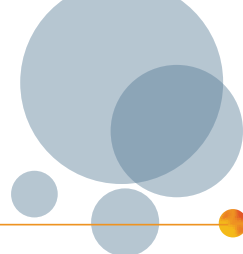
### Standards

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



# Protistor® size 14x51 aR (URGB)

690VAC (IEC)



## Product range

### Size 14x51 aR with trip-indicator

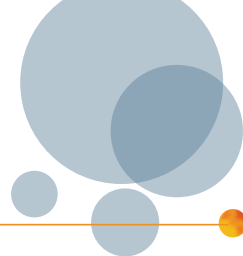
Catalog number	Reference number	Rated voltage AC (IEC)	Rated current I <sub>n</sub>	Pre-arcing I <sup>2</sup> t	Clearing I <sup>2</sup> t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I <sub>n</sub>	Weight	Package
FR14UB69V8T	D078042	690 V	8 A	3.3 A <sup>2</sup> s	17 A <sup>2</sup> s	200 kA	2.7 W	18 g	10
FR14UB69V10T	E078043	690 V	10 A	6 A <sup>2</sup> s	30 A <sup>2</sup> s	200 kA	3.4 W	18 g	10
FR14UB69V12T	F078044	690 V	12 A	9.3 A <sup>2</sup> s	60 A <sup>2</sup> s	200 kA	4.6 W	18 g	10
FR14UB69V16T	G078045	690 V	16 A	15.6 A <sup>2</sup> s	75 A <sup>2</sup> s	200 kA	6.2 W	18 g	10
FR14UB69V20T	H078046	690 V	20 A	30 A <sup>2</sup> s	145 A <sup>2</sup> s	200 kA	7.4 W	18 g	10
FR14UB69V25T	J078047	690 V	25 A	53.3 A <sup>2</sup> s	250 A <sup>2</sup> s	200 kA	8.6 W	18 g	10
FR14UB69V32T	K078048	690 V	32 A	100 A <sup>2</sup> s	460 A <sup>2</sup> s	200 kA	10.6 W	18 g	10
FR14UB69V40T	L078049	690 V	40 A	214 A <sup>2</sup> s	940 A <sup>2</sup> s	200 kA	11.5 W	18 g	10
FR14UB69V50T	M078050	690 V	50 A	480 A <sup>2</sup> s	2070 A <sup>2</sup> s	200 kA	13 W	18 g	10

### Size 14x51 aR without trip-indicator

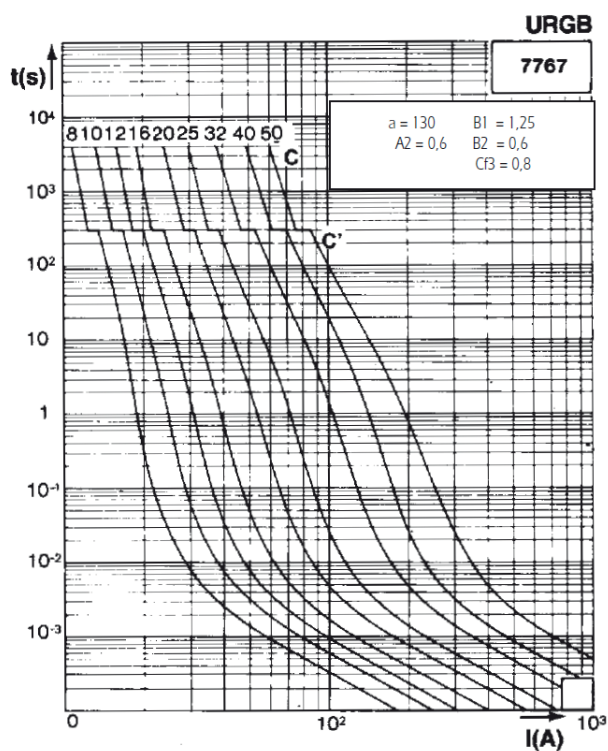
Catalog number	Reference number	Rated voltage AC (IEC)	Rated current I <sub>n</sub>	Pre-arcing I <sup>2</sup> t	Clearing I <sup>2</sup> t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I <sub>n</sub>	Weight	Package
FR14UB69V8	T078033	690 V	8 A	3.3 A <sup>2</sup> s	17 A <sup>2</sup> s	200 kA	2.7 W	18 g	10
FR14UB69V10	V078034	690 V	10 A	6 A <sup>2</sup> s	30 A <sup>2</sup> s	200 kA	3.4 W	18 g	10
FR14UB69V12	W078035	690 V	12 A	9.3 A <sup>2</sup> s	60 A <sup>2</sup> s	200 kA	4.6 W	18 g	10
FR14UB69V16	X078036	690 V	16 A	15.6 A <sup>2</sup> s	75 A <sup>2</sup> s	200 kA	6.2 W	18 g	10
FR14UB69V20	Y078037	690 V	20 A	30 A <sup>2</sup> s	145 A <sup>2</sup> s	200 kA	7.4 W	18 g	10
FR14UB69V25	Z078038	690 V	25 A	53.3 A <sup>2</sup> s	250 A <sup>2</sup> s	200 kA	8.6 W	18 g	10
FR14UB69V32	A078039	690 V	32 A	100 A <sup>2</sup> s	460 A <sup>2</sup> s	200 kA	10.6 W	18 g	10
FR14UB69V40	B078040	690 V	40 A	214 A <sup>2</sup> s	940 A <sup>2</sup> s	200 kA	11.5 W	18 g	10
FR14UB69V50	C078041	690 V	50 A	480 A <sup>2</sup> s	2070 A <sup>2</sup> s	200 kA	13 W	18 g	10

# Protistor® size 14x51 aR (URGB)

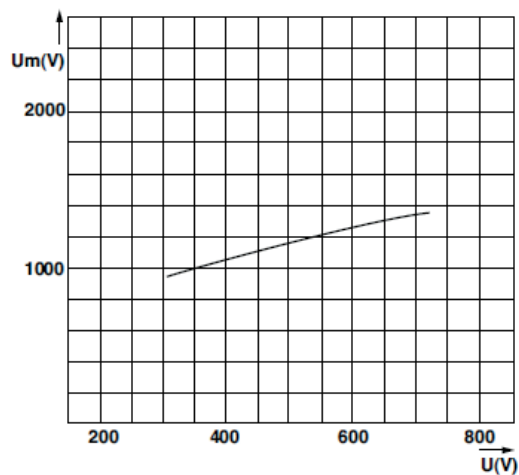
690VAC (IEC)



## Time current characteristic curves



## Peak arc voltage

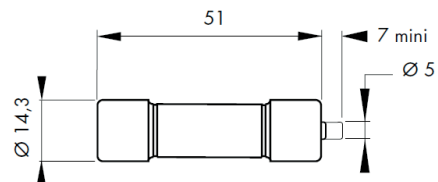


# Protistor® size 14x51 aR (URGB)

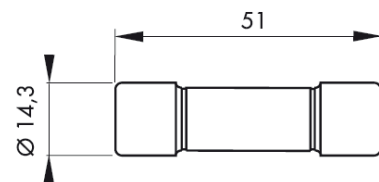
690VAC (IEC)

## Dimensions

Size 14x51 with trip-indicator



Size 14x51 without trip-indicator



Dimensions in mm