

Protistor® size 14x51 aR (URC)

600VAC to 690VAC (IEC) / 700VAC (UL)

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: 600-690VAC, with large band of ratings (current rating 6 to 50A).

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
- UL recognized (except 6A)
- aR-class according to VDE 636-23 and IEC 60269-4

Applications

- The URC 14x51 are fast acting fuses used in the protection of small inverters, UPS systems, variable speed drives and other similar 700V or less equipments.

Technical data overview

Voltage Range AC	600 ... 690 VAC
Ampere Range (A)	6 ... 50 A
Speed/Characteristic	aR
I.R. AC (kA)	100 kA
Product Size	14x51 mm



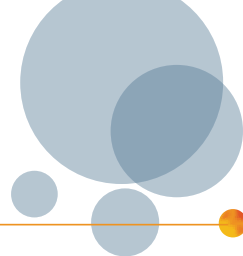
Standards

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



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Product range

Size 14x51 aR with trip-indicator

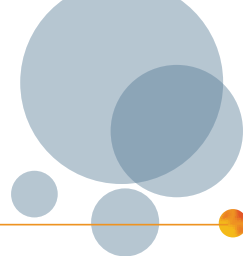
Catalog number	Reference number	Rated voltage AC (IEC)	Rated current I _n	Pre-arcing I ² t	Clearing I ² t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I _n	Weight	Package
FR14UC69V6T	G081518	690 V	6 A	1.3 A ² s	15 A ² s	100 kA	2 W	20 g	10
FR14UC69V8T	C093911	690 V	8 A	2.4 A ² s	27.5 A ² s	100 kA	2.8 W	20 g	10
FR14UC69V10T	D093912	690 V	10 A	4.3 A ² s	40 A ² s	100 kA	3.5 W	20 g	10
FR14UC69V12T	E093913	690 V	12 A	5.4 A ² s	60 A ² s	100 kA	4.4 W	20 g	10
FR14UC69V16T	F093914	690 V	16 A	13.2 A ² s	100 A ² s	100 kA	4.8 W	20 g	10
FR14UC69V20T	G093915	690 V	20 A	27 A ² s	160 A ² s	100 kA	5.2 W	20 g	10
FR14UC69V25T	H093916	690 V	25 A	53 A ² s	275 A ² s	100 kA	5.8 W	20 g	10
FR14UC69V32T	J093917	690 V	32 A	98 A ² s	500 A ² s	100 kA	7 W	20 g	10
FR14UC69V40T	T100136	690 V	40 A	130 A ² s	700 A ² s	100 kA	10.7 W	20 g	10
FR14UC69V50T	V100137	690 V	50 A	280 A ² s	1500 A ² s	100 kA	11.6 W	20 g	10
FR14UC60V63T	V220910	600 V	63 A	440 A ² s	2200 A ² s	100 kA	16 W	20 g	10

Size 14x51 aR without trip-indicator

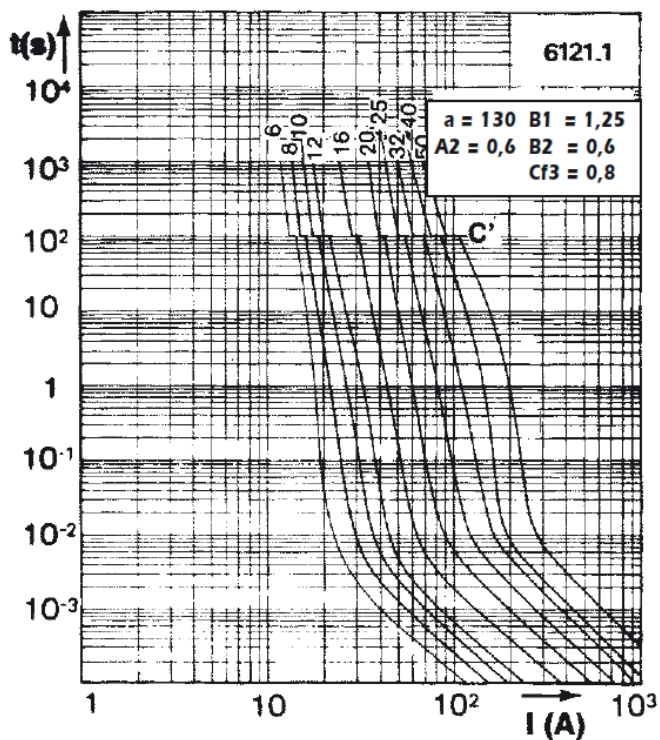
Catalog number	Reference number	Rated voltage AC (IEC)	Rated current I _n	Pre-arcing I ² t	Clearing I ² t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I _n	Weight	Package
FR14UC69V6	K081475	690 V	6 A	1.3 A ² s	15 A ² s	100 kA	2 W	20 g	10
FR14UC69V8	S093902	690 V	8 A	2.4 A ² s	27.5 A ² s	100 kA	2.8 W	20 g	10
FR14UC69V10	T093903	690 V	10 A	4.3 A ² s	40 A ² s	100 kA	3.5 W	20 g	10
FR14UC69V12	V093904	690 V	12 A	5.4 A ² s	60 A ² s	100 kA	4.4 W	20 g	10
FR14UC69V16	W093905	690 V	16 A	13.2 A ² s	100 A ² s	100 kA	4.8 W	20 g	10
FR14UC69V20	X093906	690 V	20 A	27 A ² s	160 A ² s	100 kA	5.2 W	20 g	10
FR14UC69V25	Y093907	690 V	25 A	53 A ² s	275 A ² s	100 kA	5.8 W	20 g	10
FR14UC69V32	Z093908	690 V	32 A	98 A ² s	500 A ² s	100 kA	7 W	20 g	10
FR14UC69V40	A093909	690 V	40 A	130 A ² s	700 A ² s	100 kA	10.7 W	20 g	10
FR14UC69V50	B093910	690 V	50 A	280 A ² s	1500 A ² s	100 kA	11.6 W	20 g	10

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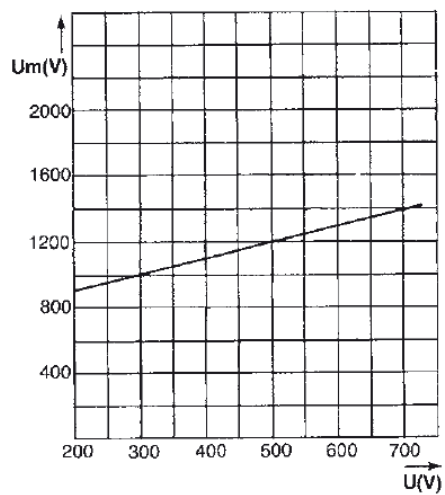
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Time current characteristic curves

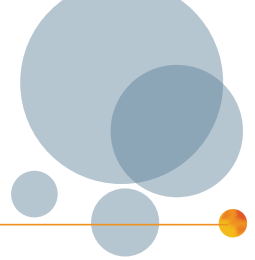


Peak arc voltage



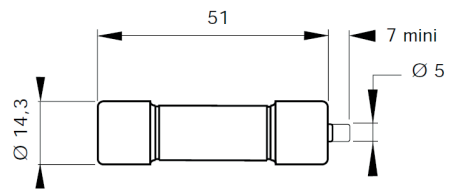
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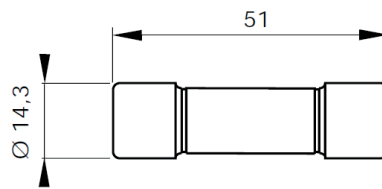


Dimensions

Size 14x51 with trip-indicator



Size 14x51 without trip-indicator



Dimensions in mm