

# Miniature Fuses Size 6x32 SA

125V-250V - Semiconductor Protection Fuses

## MINIATURE FUSES

### 6X32MM SEMICONDUCTOR PROTECTION FUSES



Mersen's Miniature Fuses 6x32 SA 125V-250V provide reliable protection for sensitive electronic components.

Their medium time-lag (SA) design safeguards semiconductor devices and control apparatus from overcurrent while allowing short-term surges.

Compact and versatile, these 125V-250V fuses ensure consistent performance across various applications.

Built with high-quality materials, they offer a very high breaking capacity to handle inrush currents, enhancing system durability and reliability.

Some references are available with or without trip indicator.

## TECHNICAL DATA OVERVIEW

Voltage	125V-250V
Ampere range	0,1A-30A
Speed/Characteristic	SA
Size per Standard	6x32
Weight	2.5 g

## FEATURES & BENEFITS

- 6x32
- Medium time lag
- 125V-250V
- With or without trip indicator
- Packaging: box of 10pcs or 50pcs

## APPLICATIONS

- Protection of circuits and equipment with inrush or transient current conditions

## STANDARDS

- UL/CSA Recognized E76491: see "UL/CSA Recognized" status given in product range table



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## PRODUCT RANGE

### Size 6x32 SA 250V without trip indicator

Catalog number	Item number	Rated voltage AC	Rated current I <sub>n</sub>	Pre-arcing I <sup>2</sup> t	Clearing I <sup>2</sup> t at AC Rated Voltage	Rated breaking capacity AC	UL/CSA recognized	Package
MI6SA25V0.1	Q084424	250 V	0.1 A	0.00077 A <sup>2</sup> s	0.0015 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V0.16	Q084401	250 V	0.16 A	0.0046 A <sup>2</sup> s	0.009 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V0.2	L084420	250 V	0.2 A	0.009 A <sup>2</sup> s	0.018 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V0.25	R084402	250 V	0.25 A	0.016 A <sup>2</sup> s	0.032 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V0.315	M084421	250 V	0.315 A	0.03 A <sup>2</sup> s	0.06 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V0.4	N084422	250 V	0.4 A	0.05 A <sup>2</sup> s	0.1 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V0.5	S084403	250 V	0.5 A	0.12 A <sup>2</sup> s	0.24 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V0.63	K084419	250 V	0.63 A	0.11 A <sup>2</sup> s	0.2 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V0.8	P084423	250 V	0.8 A	0.17 A <sup>2</sup> s	0.31 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V1	T084404	250 V	1 A	0.26 A <sup>2</sup> s	0.5 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V1.25	V084405	250 V	1.25 A	0.55 A <sup>2</sup> s	1 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V1.6	W084406	250 V	1.6 A	1.44 A <sup>2</sup> s	2.5 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V2	X084407	250 V	2 A	2.46 A <sup>2</sup> s	4.3 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V2.5	Y084408	250 V	2.5 A	4.6 A <sup>2</sup> s	8 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V3.15	Z084409	250 V	3.15 A	11 A <sup>2</sup> s	20 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V4	A084410	250 V	4 A	23 A <sup>2</sup> s	40 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V5	B084411	250 V	5 A	15.7 A <sup>2</sup> s	70 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V6.3	C084412	250 V	6.3 A	28 A <sup>2</sup> s	120 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V8	H093364	250 V	8 A	52.9 A <sup>2</sup> s	230 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V10	E084414	250 V	10 A	98.4 A <sup>2</sup> s	420 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V12.5	F084415	250 V	12.5 A	141 A <sup>2</sup> s	410 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V16	H084417	250 V	16 A	252 A <sup>2</sup> s	720 A <sup>2</sup> s	200 kA	✓	50
MI6SA25V20	J084418	250 V	20 A	252 A <sup>2</sup> s	720 A <sup>2</sup> s	200 kA	✓	50

### Size 6x32 SA 125V without trip indicator

Catalog number	Item number	Rated voltage AC	Rated current I <sub>n</sub>	Pre-arcing I <sup>2</sup> t	Clearing I <sup>2</sup> t at AC Rated Voltage	Rated breaking capacity AC	UL/CSA recognized	Package
MI6SA12.5V25	T084427	125 V	25 A	700 A <sup>2</sup> s	1500 A <sup>2</sup> s	100 kA	✓	50
MI6SA12.5V30	V084428	125 V	30 A	1090 A <sup>2</sup> s	2350 A <sup>2</sup> s	100 kA	✓	50

### Size 6x32 SA 250V with trip indicator

Catalog number	Item number	Rated voltage AC	Rated current I <sub>n</sub>	Pre-arcing I <sup>2</sup> t	Clearing I <sup>2</sup> t at AC Rated Voltage	Rated breaking capacity AC	UL/CSA recognized	Package
MI6SA25V12.5P	T094271	250 V	12.5 A	141 A <sup>2</sup> s	410 A <sup>2</sup> s	200 kA	✓	10
MI6SA25V16P	W094273	250 V	16 A	252 A <sup>2</sup> s	720 A <sup>2</sup> s	200 kA	✓	10
MI6SA25V20P	X099472	250 V	20 A	252 A <sup>2</sup> s	720 A <sup>2</sup> s	200 kA	✓	10

### Size 6x32 SA 125V with trip indicator

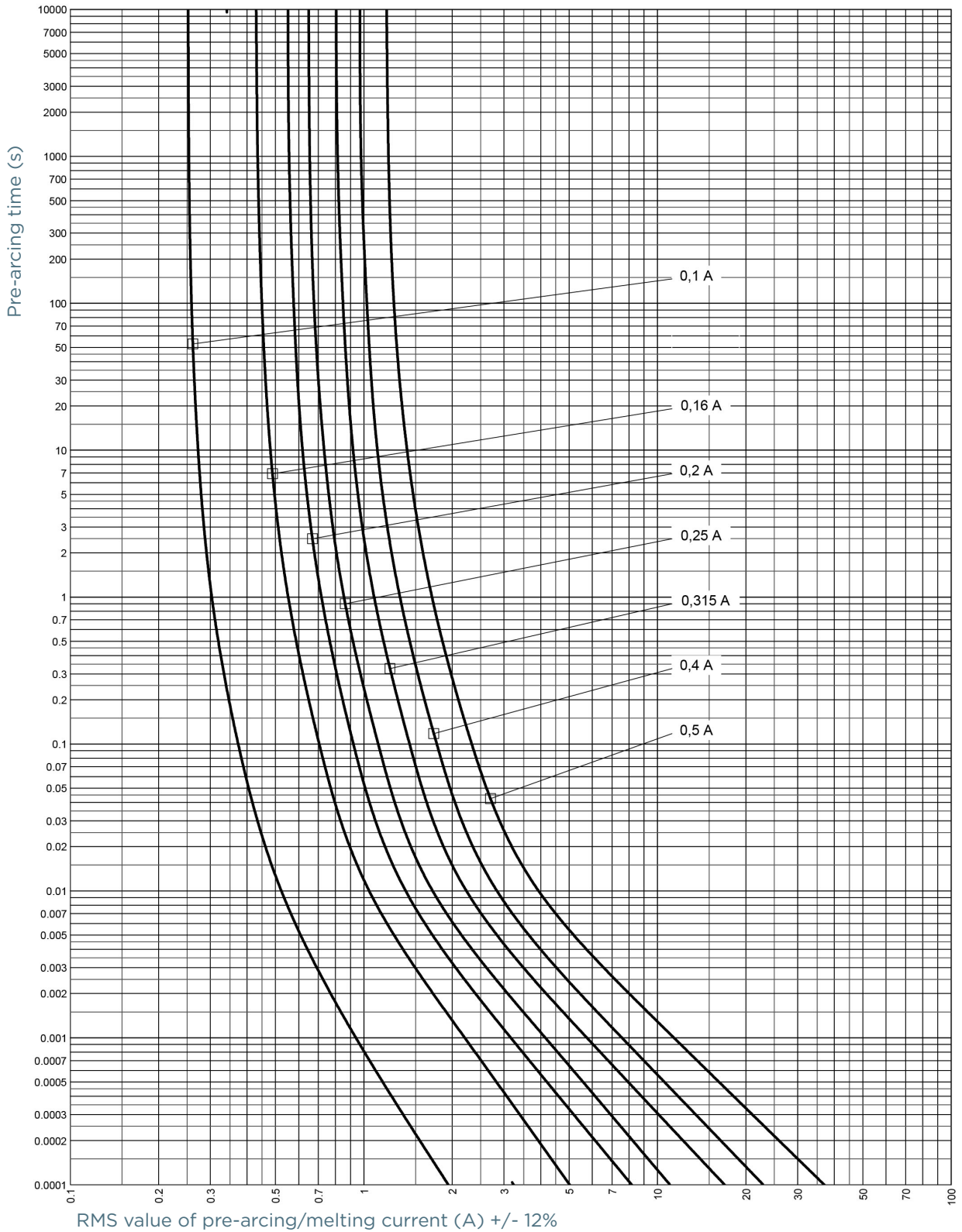
Catalog number	Item number	Rated voltage AC	Rated current I <sub>n</sub>	Pre-arcing I <sup>2</sup> t	Clearing I <sup>2</sup> t at AC Rated Voltage	Rated breaking capacity AC	UL/CSA recognized	Package
MI6SA12.5V30P	J094285	125 V	30 A	1090 A <sup>2</sup> s	2350 A <sup>2</sup> s	100 kA	✓	10

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## TIME CURRENT CHARACTERISTIC CURVES

Size 6x32 SA 250V 0,1A-0,5A

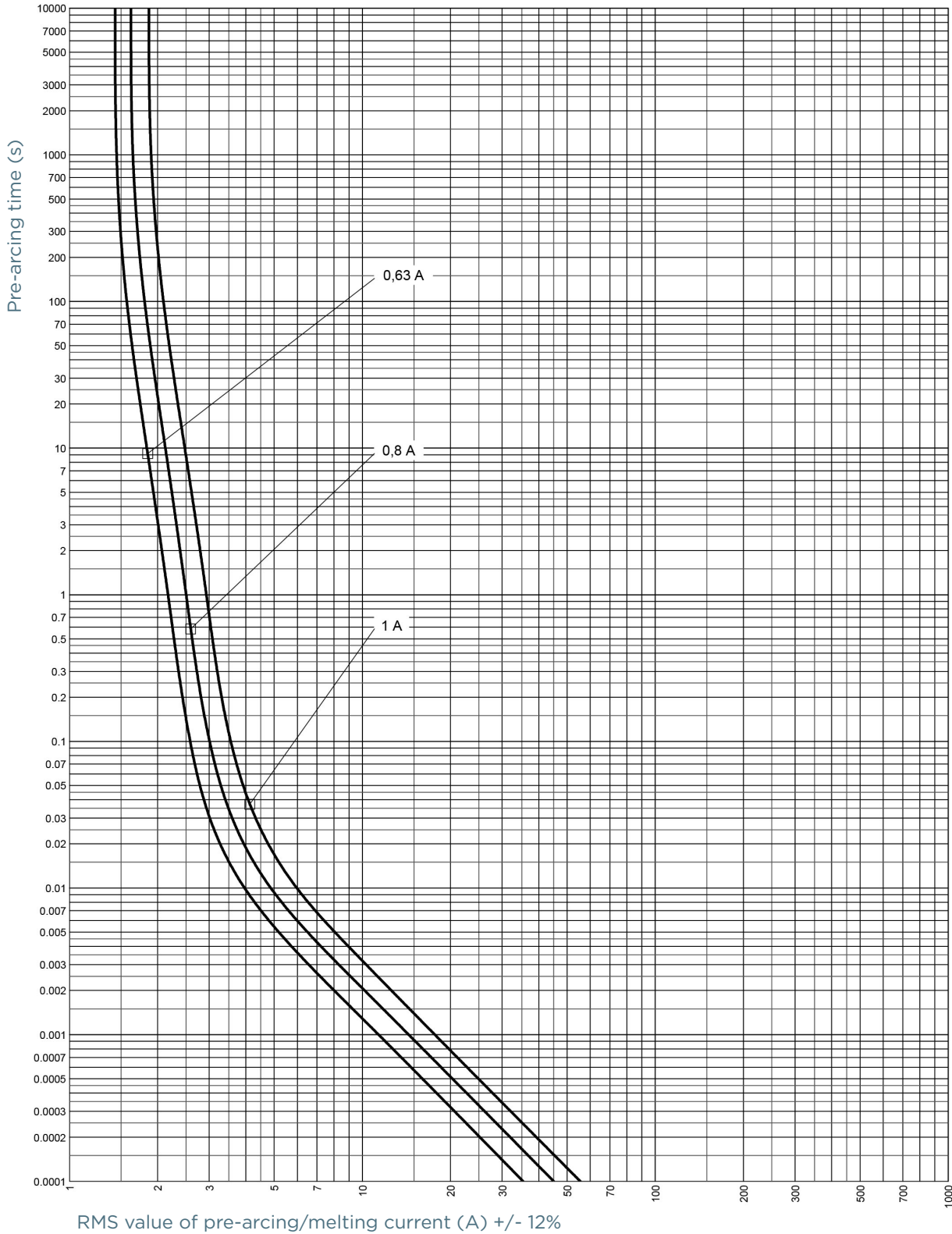


# Miniature Fuses Size 6x32 SA

125V-250V - Semiconductor Protection Fuses

## TIME CURRENT CHARACTERISTIC CURVES

Size 6x32 SA 250V 0,63A-1A

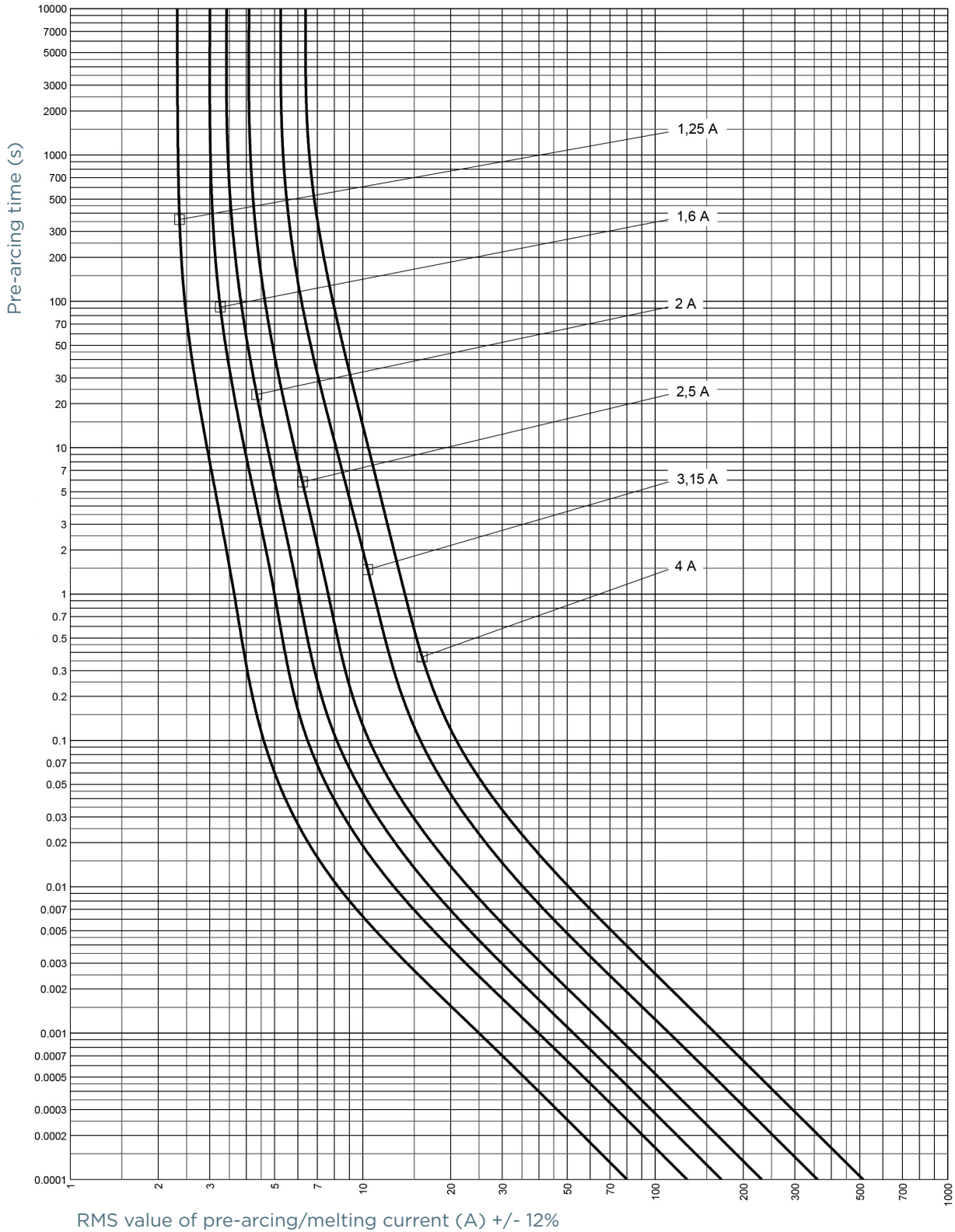


# Miniature Fuses Size 6x32 SA

125V-250V - Semiconductor Protection Fuses

## TIME CURRENT CHARACTERISTIC CURVES

Size 6x32 SA 250V 1,25aA-4A

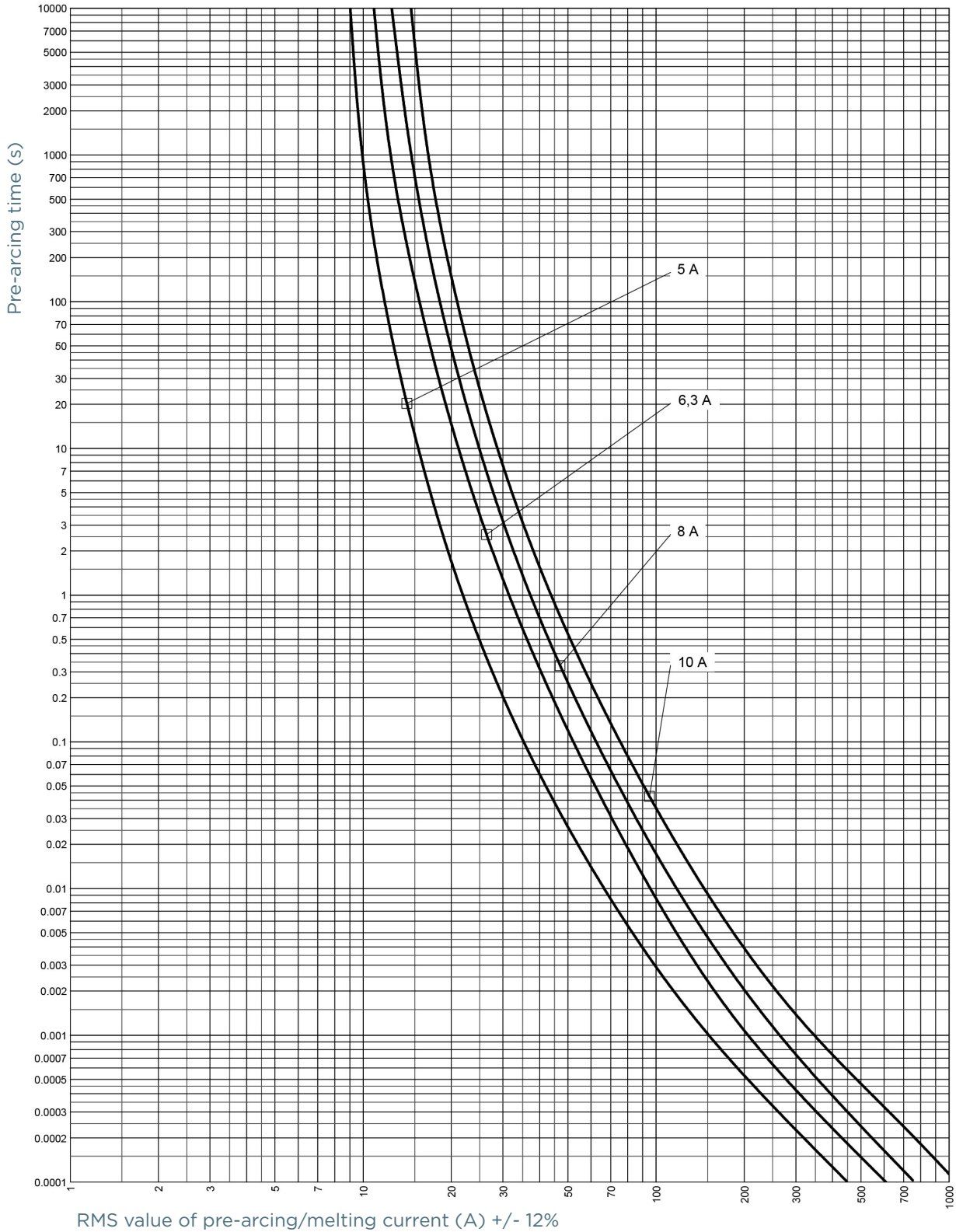


# Miniature Fuses Size 6x32 SA

125V-250V - Semiconductor Protection Fuses

## TIME CURRENT CHARACTERISTIC CURVES

### Size 6x32 SA 250V 5A-10A

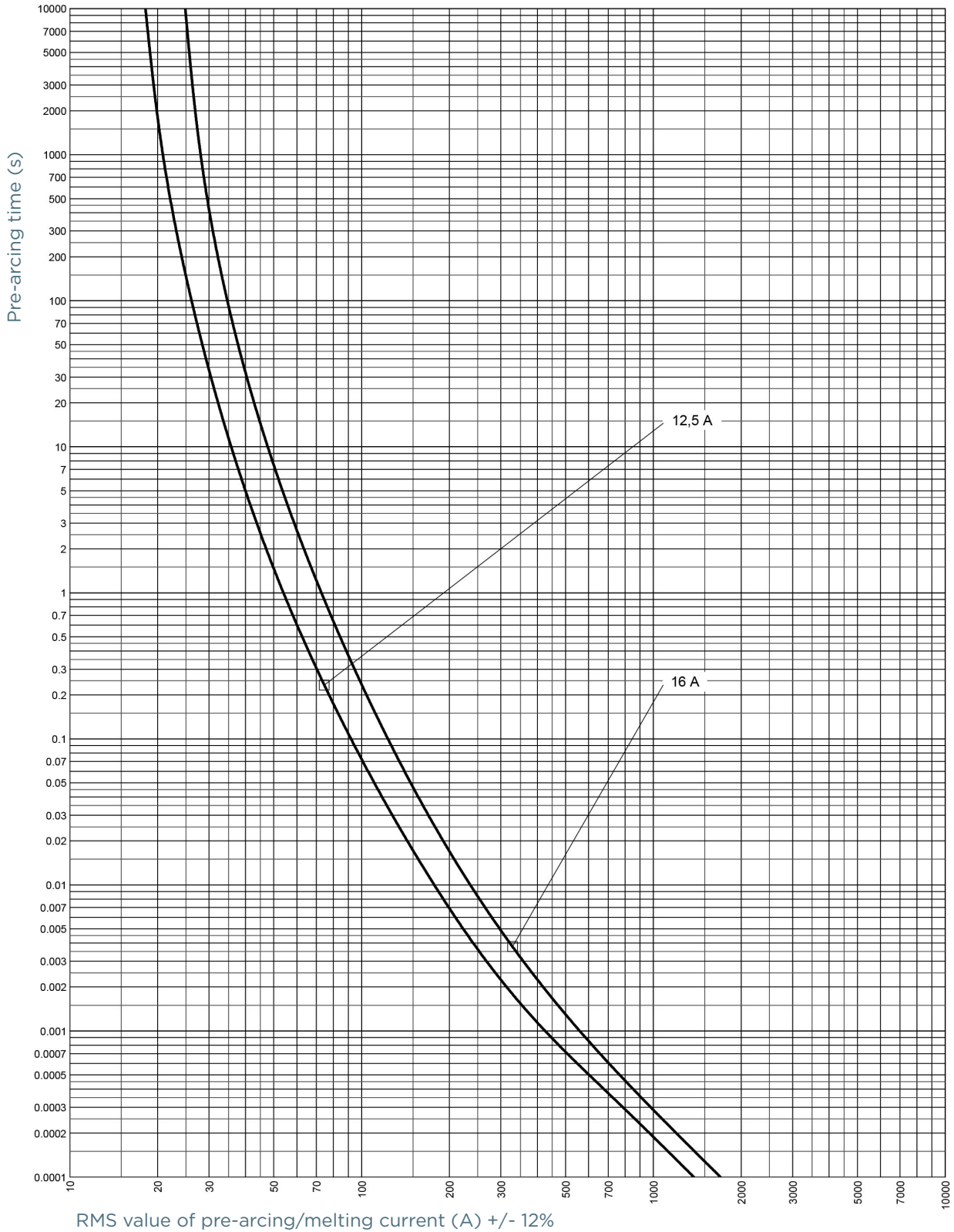


# Miniature Fuses Size 6x32 SA

125V-250V - Semiconductor Protection Fuses

## TIME CURRENT CHARACTERISTIC CURVES

Size 6x32 SA 250V 12.5A-16A

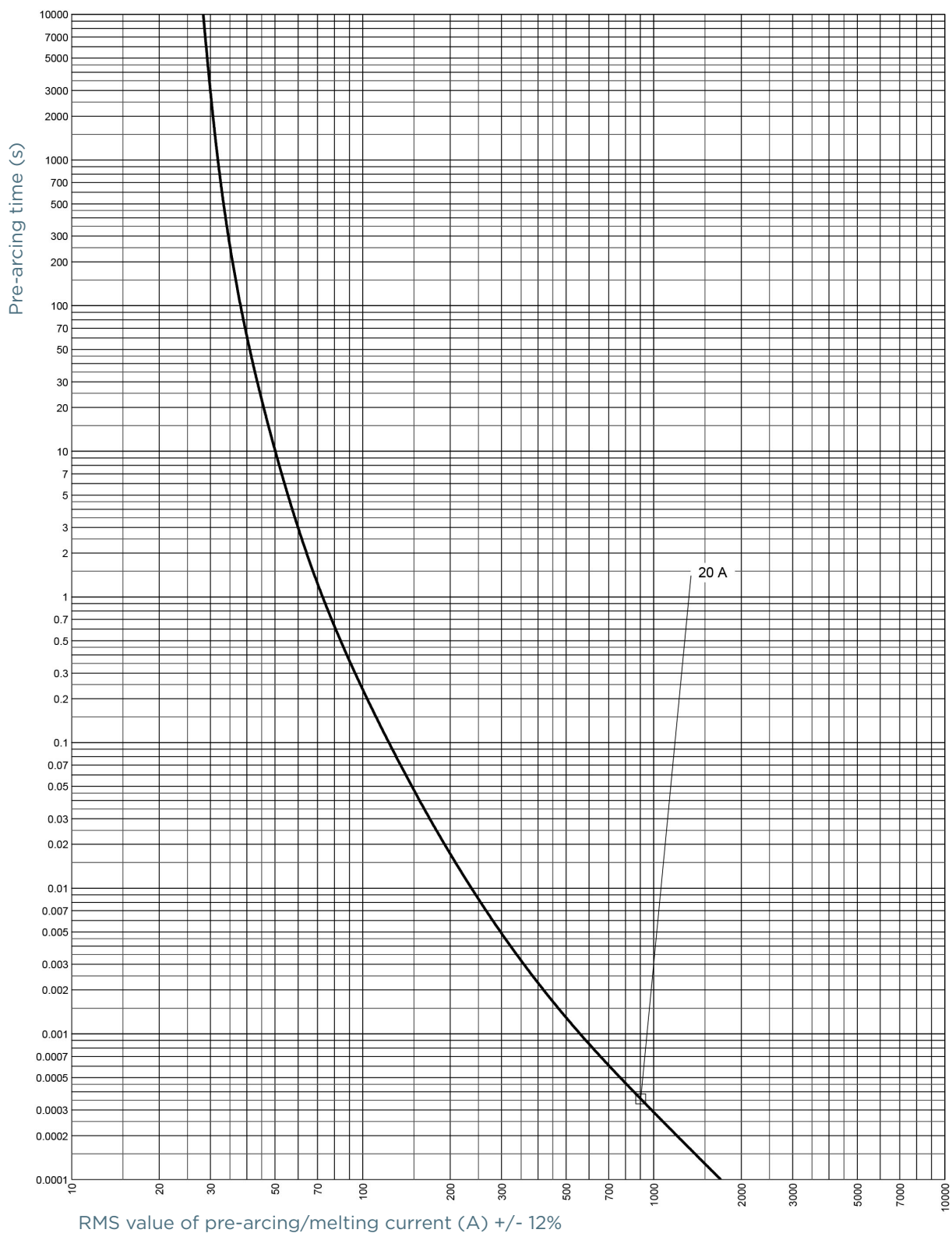


# Miniature Fuses Size 6x32 SA

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## TIME CURRENT CHARACTERISTIC CURVES

### Size 6x32 SA 250V 20A

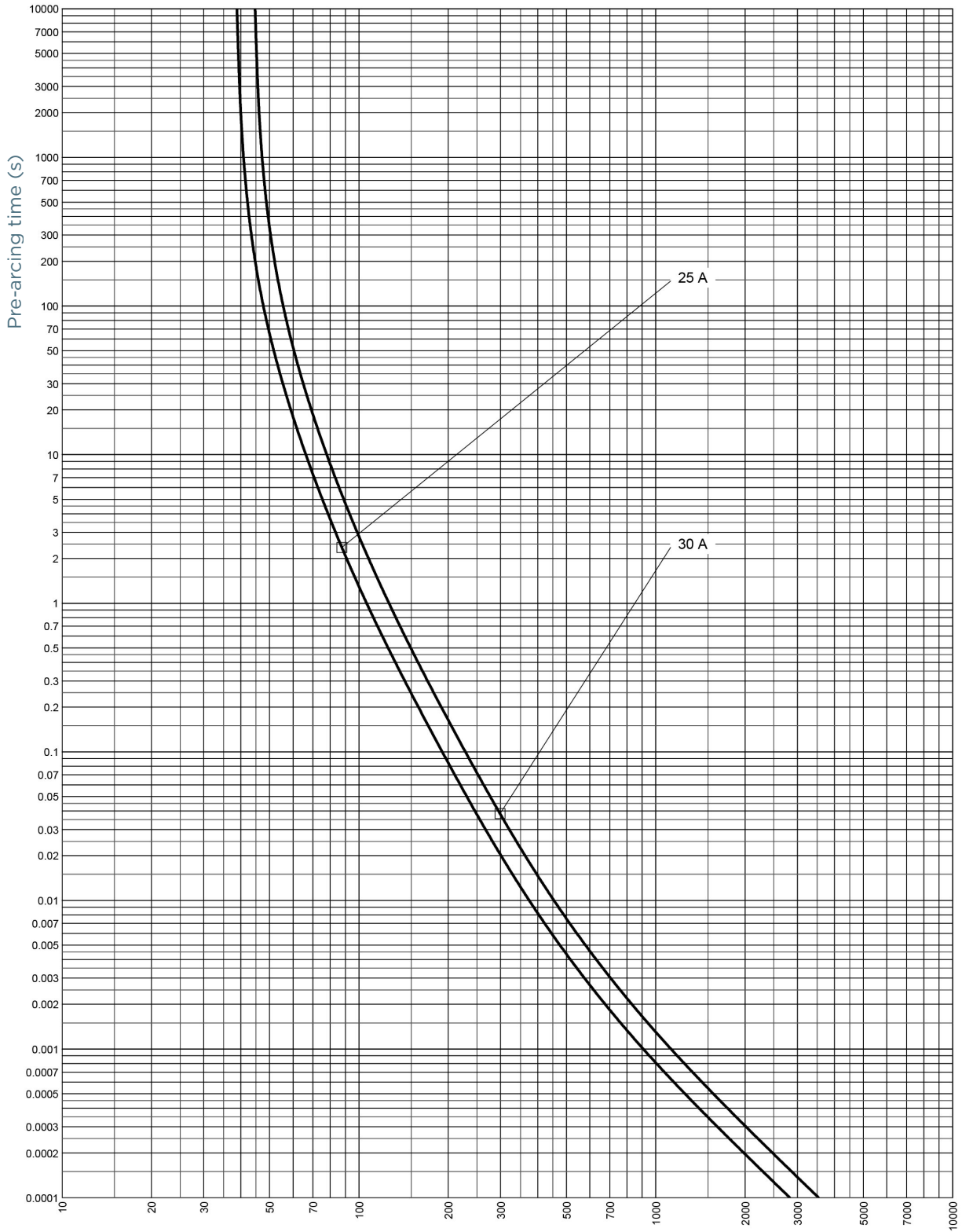


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## TIME CURRENT CHARACTERISTIC CURVES

Size 6x32 SA 125V 25A-30A



RMS value of pre-arcing/melting current (A) +/- 12%

