

# Miniature Fuses Size 6x32 FA

125V-250V- Semiconductor Protection Fuses

## MINIATURE FUSES

### 6X32MM SEMICONDUCTOR PROTECTION FUSES



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

Their very fast-acting (FA) design safeguards semiconductor devices and measuring/control apparatus from overcurrent and short circuits.

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

Built with high-quality materials, they offer a very high breaking capacity to prevent damage, enhancing system longevity and reliability.

This range is also available with axial leads.

## TECHNICAL DATA OVERVIEW

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

## FEATURES & BENEFITS

- 6x32
- Very fast acting
- 125V-250V
- Packaging: box of 10pcs or 50pcs

## APPLICATIONS

- Protection of converters with semi-conductors, diodes, thyristors, triacs

## STANDARDS

- UL/CSA Recognized - UL/CSA 248-1: see "UL/CSA Recognized" status given in product range table



# Miniature Fuses Size 6x32 FA

125V-250V- Semiconductor Protection Fuses

## PRODUCT RANGE

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

| Catalog number | Item number | Rated voltage AC | Rated current $I_n$ | Pre-arcing $I^2t$        | Clearing $I^2t$ at AC Rated Voltage | Breaking capacity | UL/CSA recognized | Package |
|----------------|-------------|------------------|---------------------|--------------------------|-------------------------------------|-------------------|-------------------|---------|
| MI6FA25V0.1    | R094315     | 250 V            | 0.1 A               | 0.00057 A <sup>2</sup> s | 0.0011 A <sup>2</sup> s             | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V0.125  | F084323     | 250 V            | 0.125 A             | 0.00077 A <sup>2</sup> s | 0.0015 A <sup>2</sup> s             | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V0.16   | G084301     | 250 V            | 0.16 A              | 0.002 A <sup>2</sup> s   | 0.004 A <sup>2</sup> s              | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V0.2    | C084320     | 250 V            | 0.2 A               | 0.0046 A <sup>2</sup> s  | 0.009 A <sup>2</sup> s              | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V0.25   | H084302     | 250 V            | 0.25 A              | 0.009 A <sup>2</sup> s   | 0.018 A <sup>2</sup> s              | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V0.315  | D084321     | 250 V            | 0.315 A             | 0.016 A <sup>2</sup> s   | 0.032 A <sup>2</sup> s              | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V0.4    | E084322     | 250 V            | 0.4 A               | 0.03 A <sup>2</sup> s    | 0.06 A <sup>2</sup> s               | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V0.5    | J084303     | 250 V            | 0.5 A               | 0.05 A <sup>2</sup> s    | 0.1 A <sup>2</sup> s                | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V0.63   | B084319     | 250 V            | 0.63 A              | 0.12 A <sup>2</sup> s    | 0.24 A <sup>2</sup> s               | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V0.8    | G084324     | 250 V            | 0.8 A               | 0.25 A <sup>2</sup> s    | 0.5 A <sup>2</sup> s                | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V1      | K084304     | 250 V            | 1 A                 | 0.11 A <sup>2</sup> s    | 0.2 A <sup>2</sup> s                | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V1.25   | L084305     | 250 V            | 1.25 A              | 0.26 A <sup>2</sup> s    | 0.5 A <sup>2</sup> s                | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V1.6    | M084306     | 250 V            | 1.6 A               | 0.39 A <sup>2</sup> s    | 0.7 A <sup>2</sup> s                | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V2      | N084307     | 250 V            | 2 A                 | 0.81 A <sup>2</sup> s    | 1.4 A <sup>2</sup> s                | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V2.5    | P084308     | 250 V            | 2.5 A               | 1.44 A <sup>2</sup> s    | 2.5 A <sup>2</sup> s                | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V3.15   | Q084309     | 250 V            | 3.15 A              | 2.46 A <sup>2</sup> s    | 4.3 A <sup>2</sup> s                | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V4      | R084310     | 250 V            | 4 A                 | 4.6 A <sup>2</sup> s     | 8 A <sup>2</sup> s                  | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V5      | S084311     | 250 V            | 5 A                 | 11 A <sup>2</sup> s      | 20 A <sup>2</sup> s                 | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V6.3    | T084312     | 250 V            | 6.3 A               | 23 A <sup>2</sup> s      | 40 A <sup>2</sup> s                 | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V8      | V084313     | 250 V            | 8 A                 | 1.5 A <sup>2</sup> s     | 25 A <sup>2</sup> s                 | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V10     | W084314     | 250 V            | 10 A                | 2.5 A <sup>2</sup> s     | 42 A <sup>2</sup> s                 | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V12.5   | X084315     | 250 V            | 12.5 A              | 3.8 A <sup>2</sup> s     | 60 A <sup>2</sup> s                 | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V16     | Z084317     | 250 V            | 16 A                | 7.1 A <sup>2</sup> s     | 115 A <sup>2</sup> s                | 200 kA            | ✓                 | 50 pcs  |
| MI6FA25V20     | A084318     | 250 V            | 20 A                | 12.7 A <sup>2</sup> s    | 200 A <sup>2</sup> s                | 200 kA            | ✓                 | 50 pcs  |

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

| Catalog number | Item number | Rated voltage AC | Rated current $I_n$ | Pre-arcing $I^2t$     | Clearing $I^2t$ at AC Rated Voltage | Breaking capacity | UL/CSA recognized | Package |
|----------------|-------------|------------------|---------------------|-----------------------|-------------------------------------|-------------------|-------------------|---------|
| MI6FA12.5V25   | H084325     | 125 V            | 25 A                | 32.5 A <sup>2</sup> s | 200 A <sup>2</sup> s                | 100 kA            | ✓                 | 50 pcs  |
| MI6FA12.5V30   | J084326     | 125 V            | 30 A                | 61.5 A <sup>2</sup> s | 400 A <sup>2</sup> s                | 100 kA            | ✓                 | 50 pcs  |

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

| Catalog number | Item number | Rated voltage AC | Rated current $I_n$ | Pre-arcing $I^2t$     | Clearing $I^2t$ at AC Rated Voltage | Breaking capacity | UL/CSA recognized | Package |
|----------------|-------------|------------------|---------------------|-----------------------|-------------------------------------|-------------------|-------------------|---------|
| MI6FA25V20P    | L098105     | 250 V            | 20 A                | 12.7 A <sup>2</sup> s | 200 A <sup>2</sup> s                | 200 kA            | ✓                 | 10 pcs  |

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

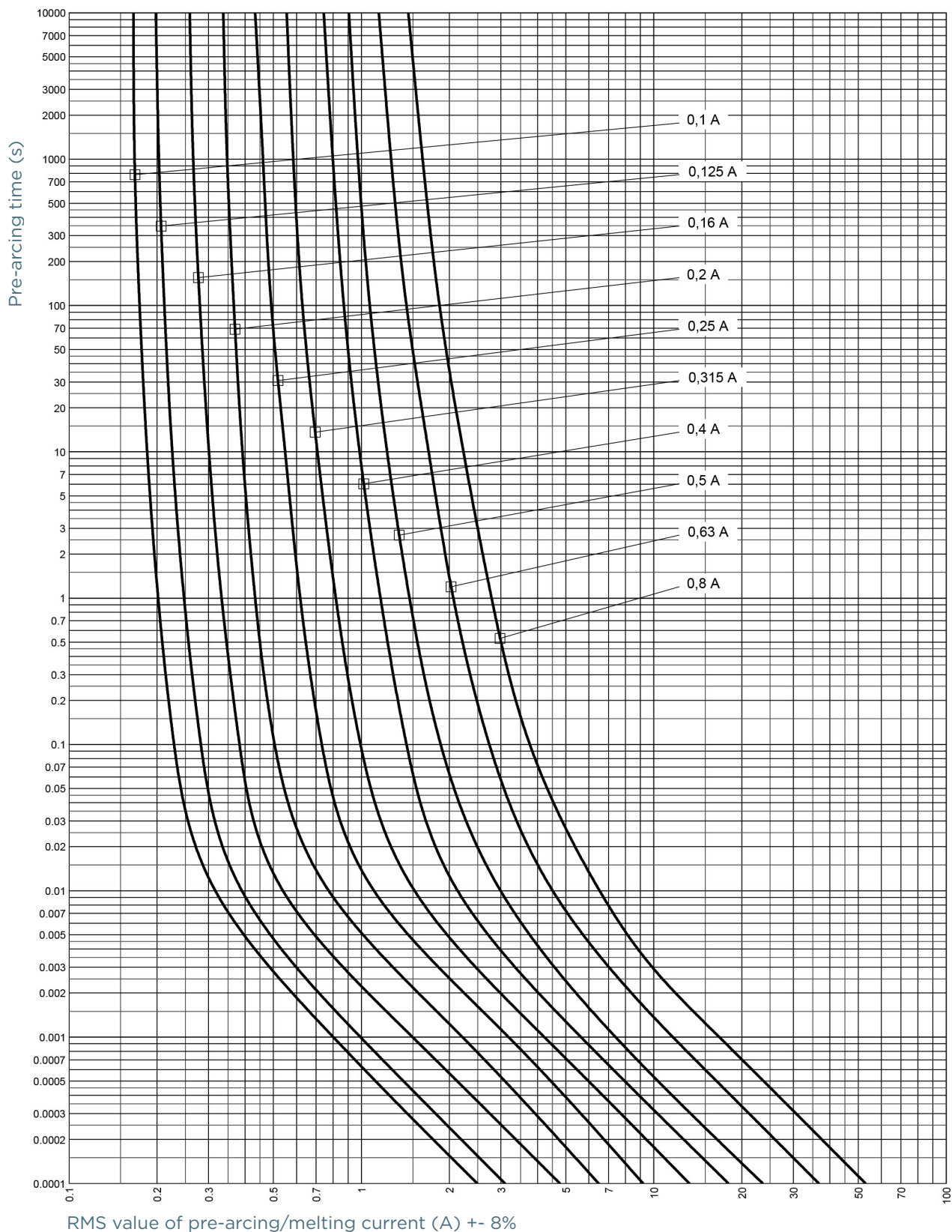
| Catalog number | Item number | Rated voltage AC | Rated current $I_n$ | Pre-arcing $I^2t$     | Clearing $I^2t$ at AC Rated Voltage | Breaking capacity | UL/CSA recognized | Package |
|----------------|-------------|------------------|---------------------|-----------------------|-------------------------------------|-------------------|-------------------|---------|
| MI6FA12.5V25P  | X098000     | 125 V            | 25                  | 32.5 A <sup>2</sup> s | 200 A <sup>2</sup> s                | 100 kA            | ✓                 | 10 pcs  |
| MI6FA12.5V30P  | K081038     | 125 V            | 30                  | 61.5 A <sup>2</sup> s | 400 A <sup>2</sup> s                | 100 kA            | ✓                 | 10 pcs  |

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## TIME CURRENT CHARACTERISTIC CURVES

Size 6x32 FA 250V 0.1A-0.8A

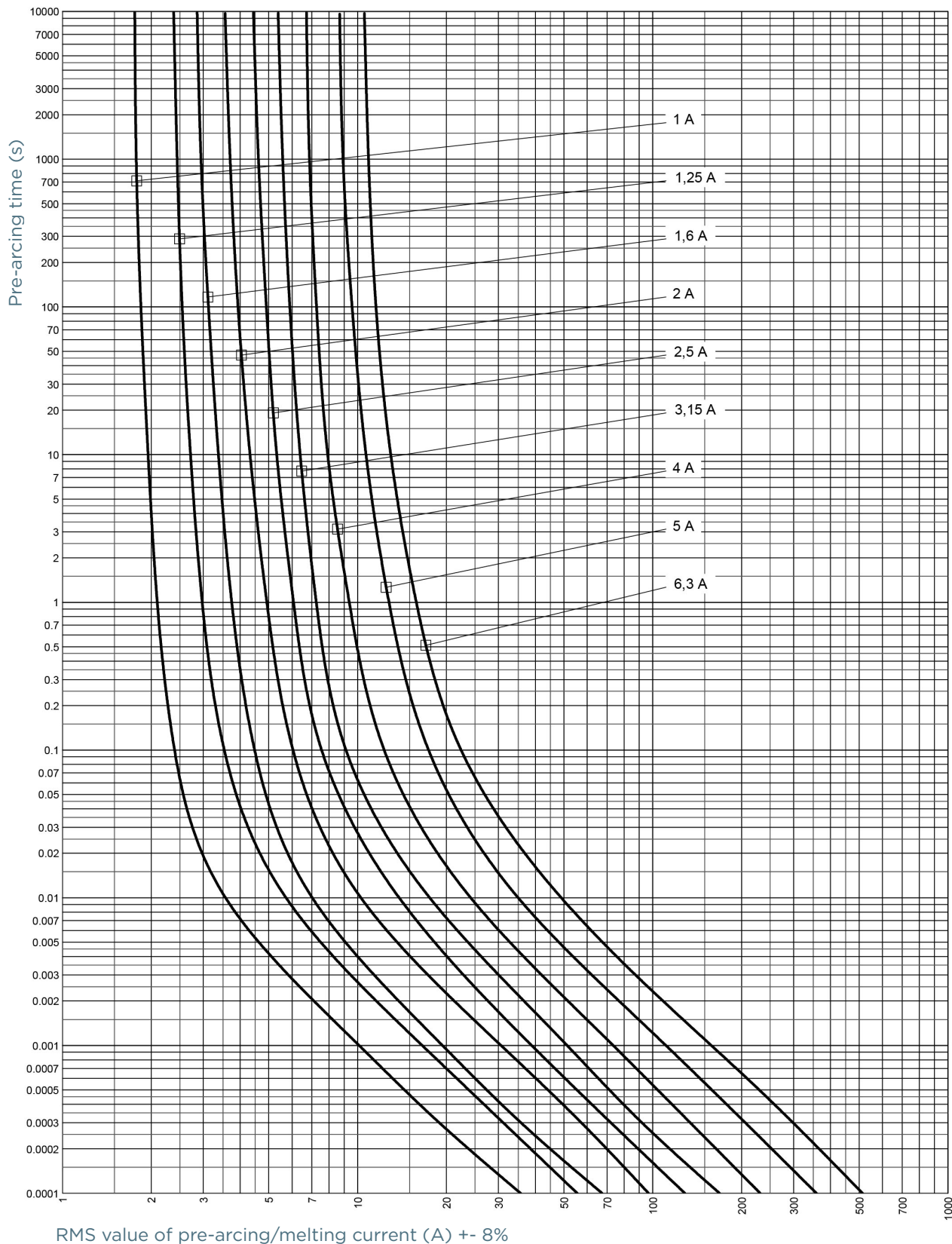


# Miniature Fuses Size 6x32 FA

125V-250V- Semiconductor Protection Fuses

## TIME CURRENT CHARACTERISTIC CURVES

### Size 6x32 FA 250V 1A-6.3A

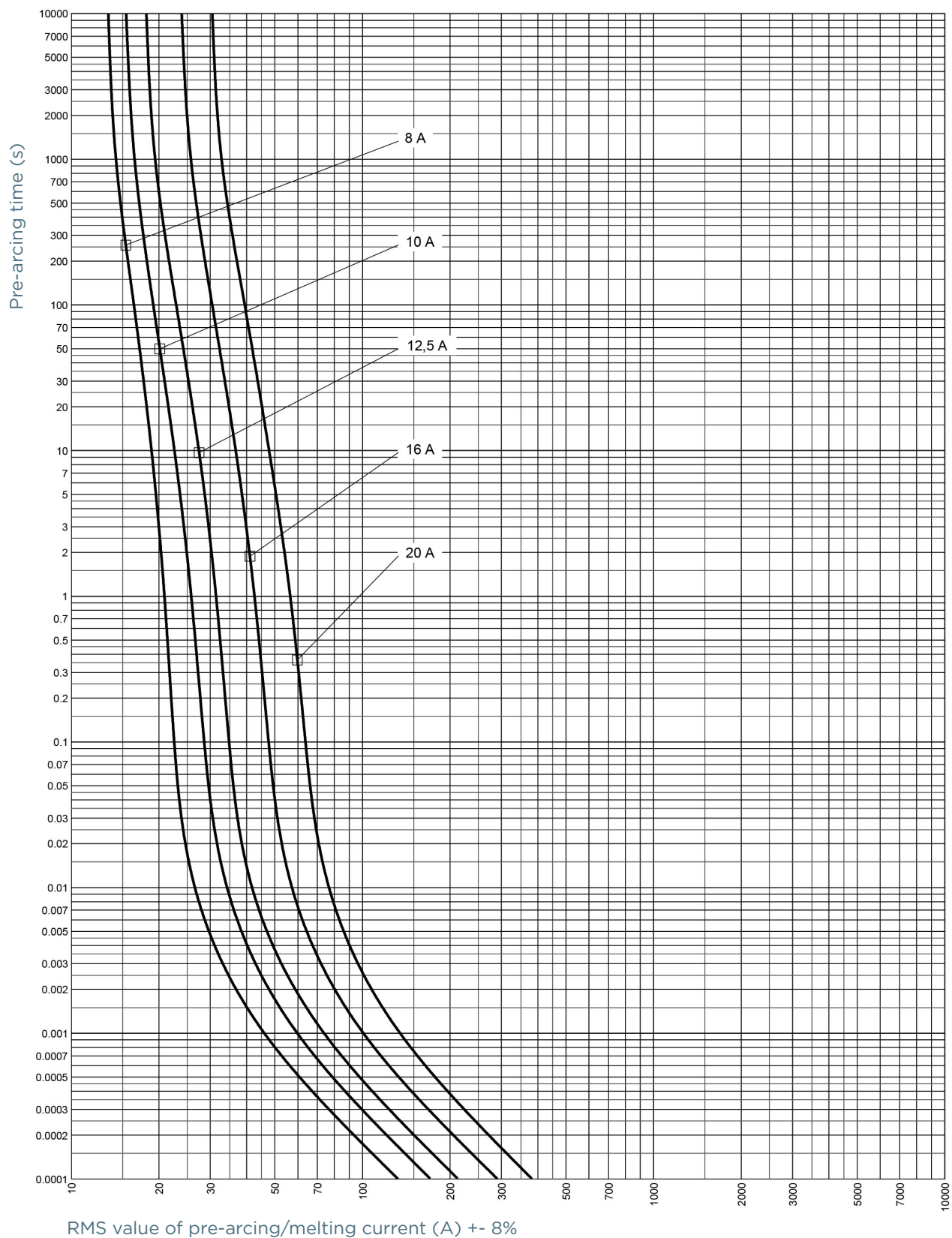


# Miniature Fuses Size 6x32 FA

125V-250V- Semiconductor Protection Fuses

## TIME CURRENT CHARACTERISTIC CURVES

### Size 6x32 FA 250V 8A-20A

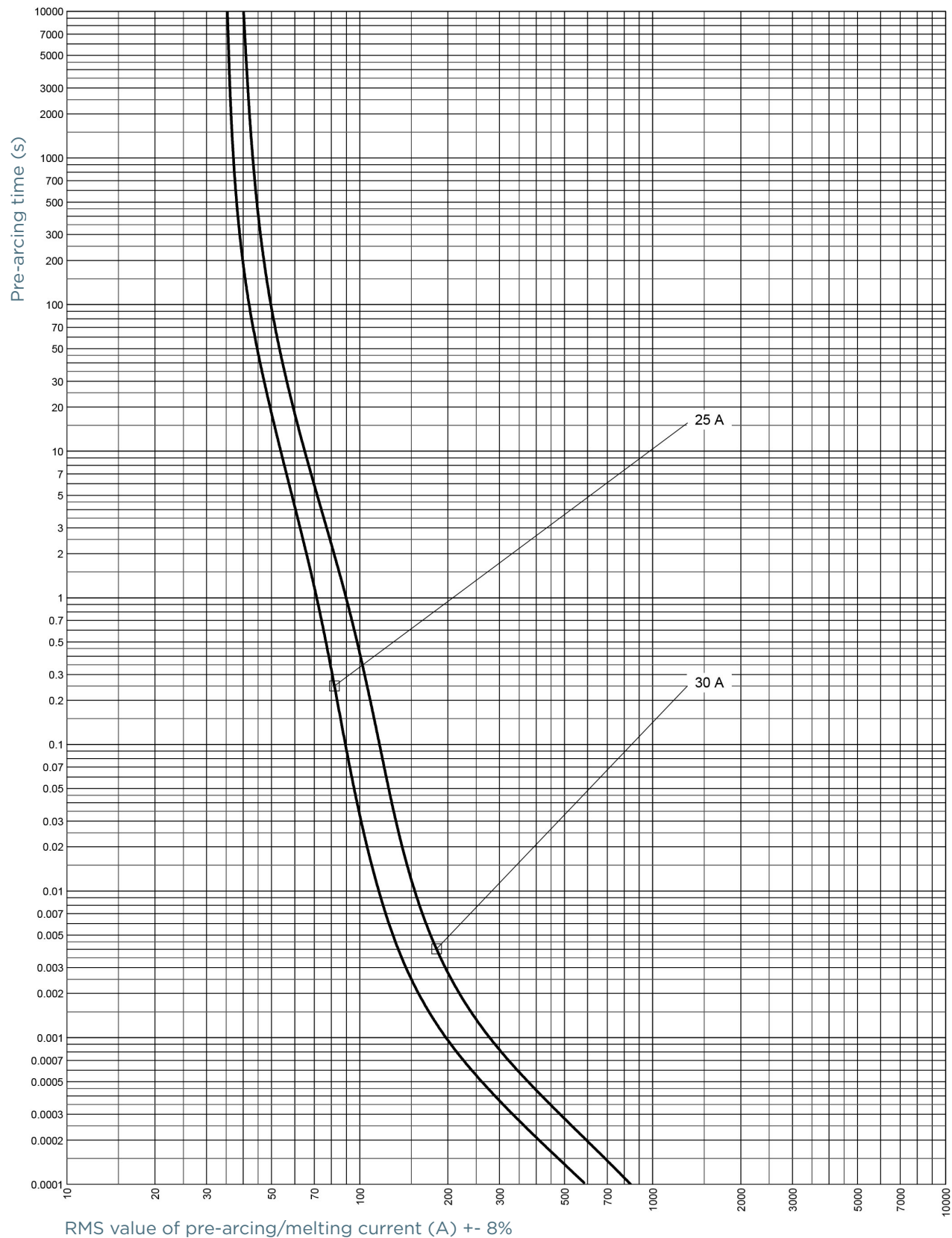


# Miniature Fuses Size 6x32 FA

125V-250V- Semiconductor Protection Fuses

## TIME CURRENT CHARACTERISTIC CURVES

Size 6x32 FA 125V 25A-30A



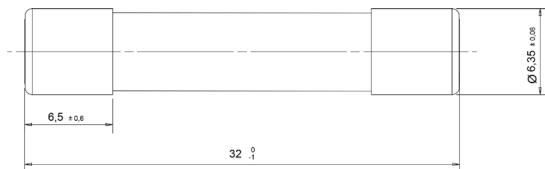


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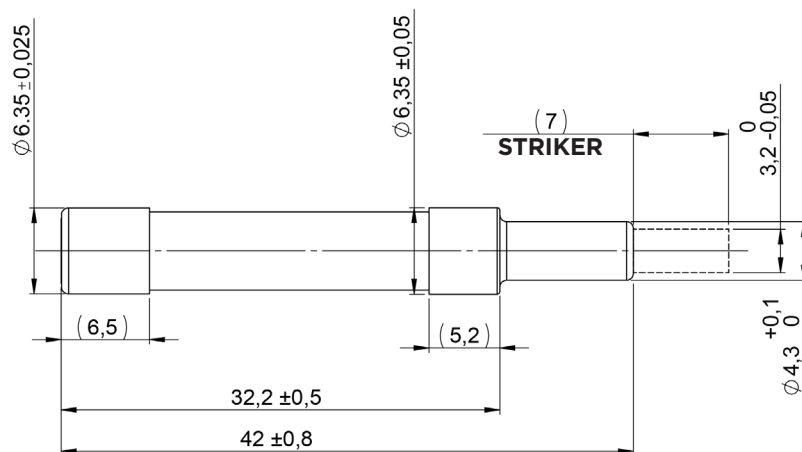
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## DIMENSIONS

### Fuses Size 6x32 FA 125V-250V



### Fuses Size 6x32 FA 125V-250V with trip indicator



Dimensions in mm