

Miniature Fuses Size 5x20 FA/FB

250V AL - Semiconductor Protection Fuses

MINIATURE FUSES

5X20MM SEMICONDUCTOR PROTECTION FUSES



Mersen’s Miniature Fuses 5x20 FA/FB 250V AL provide fast protection for sensitive electronic components. Their very fast-acting (FA/FB) design safeguards semiconductor devices from overcurrent and short circuits. Compact and versatile, these 250V fuses with axial leads ensure reliable performance across various applications. Axial leads allow direct soldering onto PCBs or connections to other components for easy integration. 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 without axial leads.

TECHNICAL DATA OVERVIEW

Voltage	250V
Ampere range	0,04A-6.3A
Speed/Characteristic	FA/FB
Size per Standard	5x20
Package	2000
Weight	1.5 g

FEATURES & BENEFITS

- 5x20
- Very fast acting
- 250V
- Axial Leads
- Packaging: tape per 2000pcs

APPLICATIONS

- Protection of converters with semi-conductors, diodes, thyristors, triacs
- Printed Circuit Board (PCB)
- Other electronic component

STANDARDS

- UL/CSA Recognized - UL/CSA 248-14: see “UL/CSA Recognized” status given in product range table



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PRODUCT RANGE

Size 5x20 FB 250V AL

Catalog number	Item number	Rated voltage AC	Rated current I _n	Pre-arcing I ² t	Clearing I ² t at AC Rated Voltage	Breaking capacity	UL/CSA recognized
MI5FBP25V0.04	Z204883	250 V	0.04 A	0.00013 A ² s	0.0004 A ² s	4 kA	✓
MI5FBP25V0.05	S206901	250 V	0.05 A	0.0002 A ² s	0.0006 A ² s	4 kA	✓
MI5FBP25V0.063	K205031	250 V	0.063 A	0.00041 A ² s	0.0012 A ² s	4 kA	✓
MI5FBP25V0.08	C207899	250 V	0.08 A	0.00077 A ² s	0.0022 A ² s	4 kA	✓
MI5FBP25V0.1	B206472	250 V	0.1 A	0.00131 A ² s	0.0037 A ² s	4 kA	✓

Size 5x20 FA 250V AL

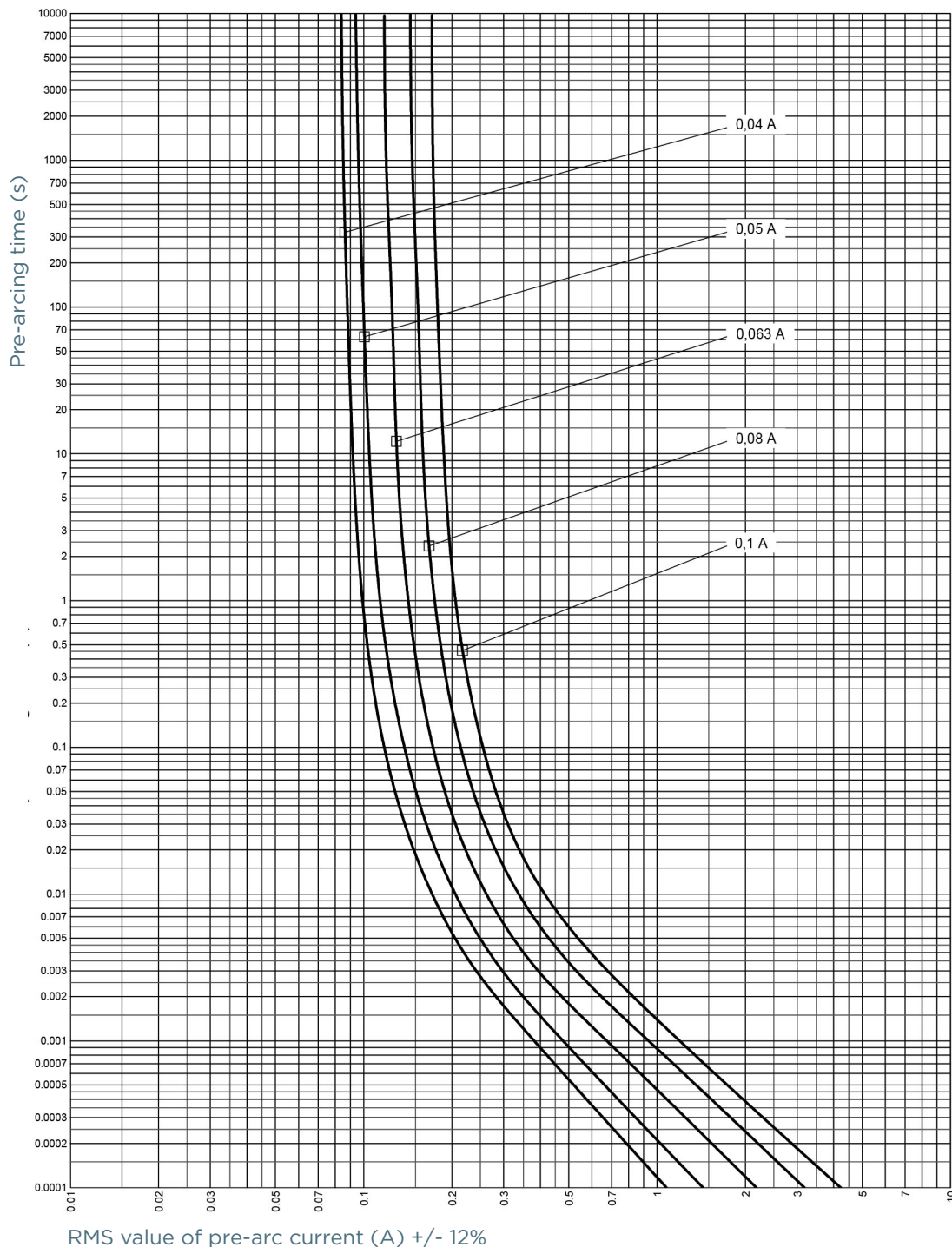
Catalog number	Item number	Rated voltage AC	Rated current I _n	Pre-arcing I ² t	Clearing I ² t at AC Rated Voltage	Breaking capacity	UL/CSA recognized
MI5FAP25V0.125	M205907	250 V	0.125 A	0.00077 A ² s	0.0021 A ² s	10 kA	✓
MI5FAP25V0.16	H208249	250 V	0.16 A	0.002 A ² s	0.006 A ² s	10 kA	✓
MI5FAP25V0.2	J208250	250 V	0.2 A	0.0046 A ² s	0.013 A ² s	10 kA	✓
MI5FAP25V0.25	L205906	250 V	0.25 A	0.009 A ² s	0.025 A ² s	10 kA	✓
MI5FAP25V0.315	K208251	250 V	0.315 A	0.016 A ² s	0.045 A ² s	10 kA	✓
MI5FAP25V0.4	L208252	250 V	0.4 A	0.03 A ² s	0.085 A ² s	10 kA	✓
MI5FAP25V0.5	M208253	250 V	0.5 A	0.05 A ² s	0.15 A ² s	10 kA	✓
MI5FAP25V0.63	N208254	250 V	0.63 A	0.12 A ² s	0.35 A ² s	10 kA	✓
MI5FAP25V0.8	P208255	250 V	0.8 A	0.25 A ² s	0.72 A ² s	10 kA	✓
MI5FAP25V1	Q208256	250 V	1 A	0.11 A ² s	0.25 A ² s	10 kA	✓
MI5FAP25V1.25	R208257	250 V	1.25 A	0.26 A ² s	0.65 A ² s	10 kA	✓
MI5FAP25V1.6	S208258	250 V	1.6 A	0.39 A ² s	0.9 A ² s	10 kA	✓
MI5FAP25V2	T208259	250 V	2 A	0.81 A ² s	1.9 A ² s	10 kA	✓
MI5FAP25V2.5	V208260	250 V	2.5 A	1.44 A ² s	3.2 A ² s	10 kA	✓
MI5FAP25V3.15	W208261	250 V	3.15 A	2.46 A ² s	5.5 A ² s	10 kA	✓
MI5FAP25V4	X208262	250 V	4 A	4.6 A ² s	10 A ² s	10 kA	✓
MI5FAP25V5	Y208263	250 V	5 A	11 A ² s	25 A ² s	10 kA	✓
MI5FAP25V6.3	Y208033	250 V	6.3 A	23 A ² s	50 A ² s	10 kA	✓

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TIME CURRENT CHARACTERISTIC CURVES

Size 5x20 FB 250V 0.04A-0.1A

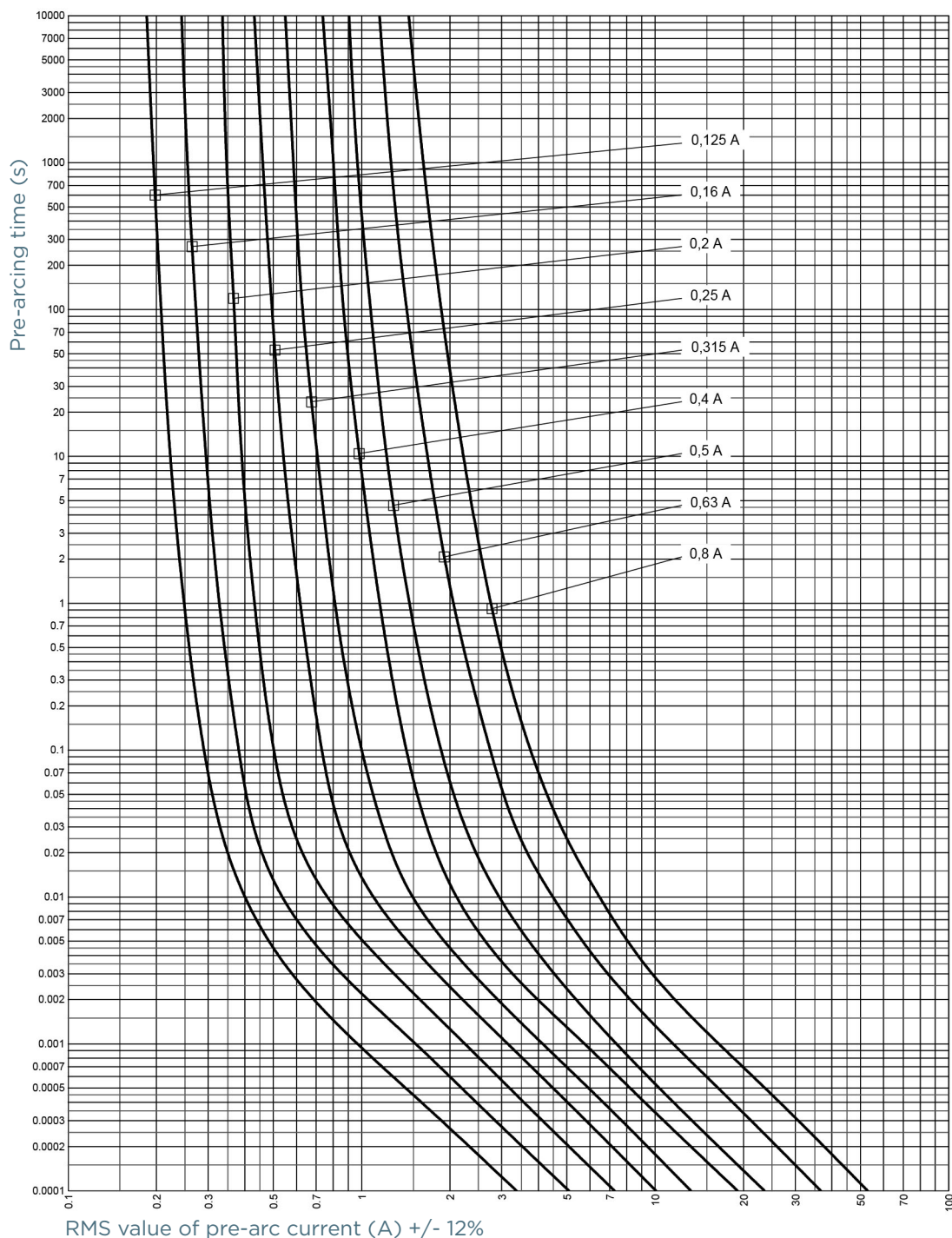


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TIME CURRENT CHARACTERISTIC CURVES

Size 5x20 FA 250V 0.125A-0.8A

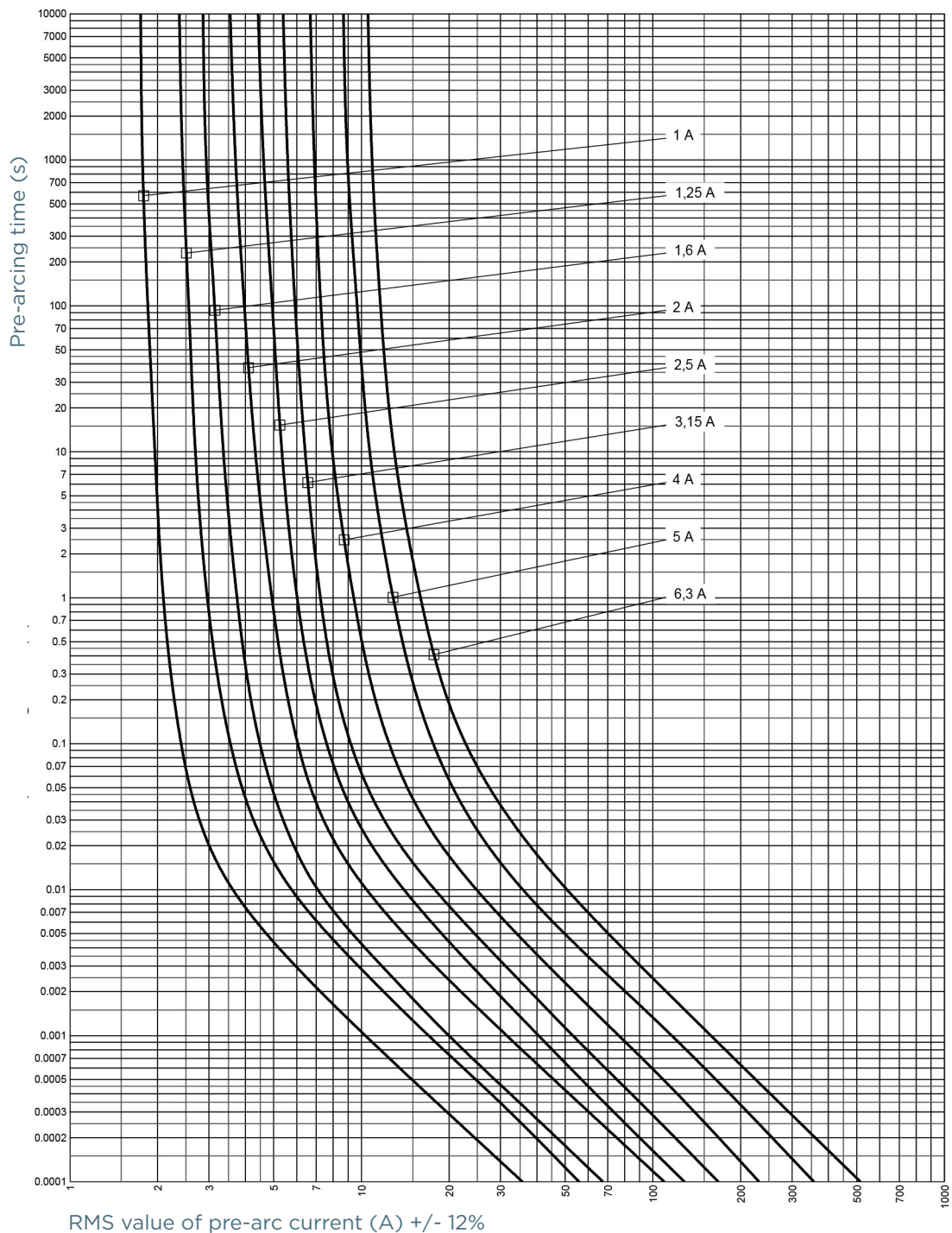


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TIME CURRENT CHARACTERISTIC CURVES

Size 5x20 FA 250V 1A-6.3A



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DIMENSIONS

Fuses Size 5x20 FA/FB 250V AL

Dimensions in mm

