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MERSEN
Expertise, our source of energy

AMP-TRAP® AND
9F60 SERIES

MEDIUM VOLTAGE
POTENTIAL
TRANSFORMER
FUSES



MEDIUM VOLTAGE POTENTIAL TRANSFORMER FUSES

Potential Transformer (PT) fuses are a type of medium voltage fuse that are designed with a small footprint and are used to protect PTs and Control Power Transformers (CPTs) from high fault currents. PTs and CPTs are used in switchgear, utility substations, or other medium voltage settings to step down voltage to a level that can be used for metering, relaying, or to power loads on site. Demand for grid upgrades and medium voltage switchgear directly drives demand for PTs, CPTs, and therefore, PT fuses.

Mersen has a robust offering of PT fuses that protect PTs and CPTs up to 15kV. They have current-limiting performance, high interrupting ratings, a variety of size options, and are widely used by the largest PT and switchgear manufacturers in the industry.

For new medium voltage installations, you can pick from a variety of options with specific electrical characteristics or sizes that will meet your needs and preference. Mersen technical experts can also assist in fuse selection based on the PT or CPT being used and the fuse curves of our fuses. If you are replacing Bussmann fuses in the field, Mersen can assist with cross-referencing those parts to potential Mersen solutions. Whether you are looking to choose a PT fuse for new applications, or are replacing PT fuses in the field, Mersen has product options and expertise to meet your needs.



FEATURES/BENEFITS:

- Ferrule mounting for use with standard clips and interchangeability with other brands of fuses.
- Current-limiting performance for superior equipment protection.
- Non-venting, for silent operation.
- Metal embossed catalog number and manufacturing date for lasting identification.
- Blown-fuse indicator to give positive identification of open fuse is available on the 9F60 series.

APPLICATIONS:

- Primary protection for potential transformers (PT) or control power transformers (CPT).



MERSEN MEDIUM VOLTAGE PT FUSES

Mersen PT fuses are current-limiting fuses with high interrupting ratings that are used for the primary winding protection of potential transformers (PTs) and control power transformers (CPTs). They are small dimension ferrule type fuses and mount in standard clips. Current ratings are available from 0.25A to 10A.

AMP-TRAP® PT FUSES

| Part Number Prefix | Max Voltage | Amp Range | Indicating | Diameter Inches (mm) | Length Inches (mm) | Max. IR RMS Sym |
|--------------------|-------------|------------|------------|----------------------|--------------------|-----------------|
| A240T | 2.4kV | 0.5A – 5A | No | 0.812 [20.6] | 4.625 [117.5] | 50kA |
| A480T | 5.5kV | 0.5A – 5A | No | 0.812 [20.6] | 5.625 [143] | 80kA |
| A500T | 5.5kV | 0.25A – 5A | No | 1.00 [25.4] | 5.625 [143] | 80kA |
| A720T | 7.2kV | 0.5A – 3A | No | 0.812 [20.6] | 9.5 [241] | 50kA |

9F60 EJ-1 PT FUSES

| Part Number Prefix | Max Voltage | Amp Range | Indicating | Diameter Inches (mm) | Length Inches (mm) | Max. IR RMS Sym |
|--------------------|-------------|-----------|---------------------|----------------------|--------------------|-----------------|
| 9F60AAA | 625V | 3A – 10A | Yes | 0.812 [20.6] | 4.625 [117.5] | 100kA |
| 9F60AAB | 2.75kV | 1A – 2A | Yes | 0.812 [20.6] | 4.625 [117.5] | 52kA |
| 9F60BBB | 2.75kV | 1A – 3A | Yes | 1.562 [40] | 7.375 [187] | 52kA |
| 9F60BDB | 2.75kV | 1A – 3A | Yes | 1.562 [40] | 9.5 [241] | 52kA |
| 9F69BBD / 9F60BBN | 5.5kV | 0.5A – 3A | BBD – yes; BBN – no | 1.562 [40] | 7.375 [187] | 80kA |
| 9F60BDD | 5.5kV | 0.5A – 3A | Yes | 1.562 [40] | 9.5 [241] | 63kA |
| 9F60BDE | 8.25kV | 0.5A – 3A | Yes | 1.562 [40] | 9.5 [241] | 80kA |
| 9F60BHH | 15.5kV | 0.5A – 3A | Yes | 1.562 [40] | 12.875 [327] | 120kA |

Full catalog information, fuse curves, and datasheets are available on our website.

AMP-TRAP® PT FUSES

9F60 EJ-1 PT FUSES





MERSEN IS A GLOBAL EXPERT
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ADVANCED MATERIALS

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