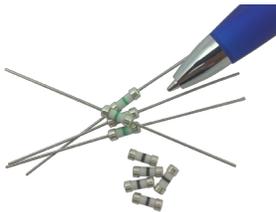




Eaton Provides Circuit Protection for Hazardous Applications



Limiting the amount of energy during an unplanned electrical event occurring in a hazardous area is a critical requirement when designing and implementing electrical systems. For manufacturers using sensitive chemicals, gases or other ignitable atmospheres, limiting the current, voltage and total energy delivered to a sensor within an intrinsic safety relay barrier can prevent a fire or explosion. A key component of this barrier is the fuse which must have a suitable interrupting rating to safely open the circuit.

The Eaton C308F series of fast acting ceramic tube fuses for hazardous applications provide a space-saving solution for intrinsic safety relay barriers with a high interrupting rating for primary and secondary circuit protection up to 250 volts AC or DC and 250 mA.

With a wider variety of amp ratings, the C308F allows OEMs to size fuses closer to the nominal current while preventing nuisance openings, providing better protection in a critical application. Although the C308F is not encapsulated, it

can be encapsulated as received from Eaton to help in meeting safety certifications for intrinsic safety per IEC 60079-11*. The C308F has a lower DCR than competition and robust environmental performance.

Intrinsic safety is a safety technique that applies to equipment that can create one or more of a range of defined explosion sources: electrical sparks, electrical arcs, flames, hot surfaces, electromagnetic radiation, chemical reactions, mechanical impact, mechanical friction, compression ignition, acoustic energy, or ionizing radiation. With a lower DCR and watts loss, Eaton is providing the market with more efficient overcurrent protection and more reliable products.

Eaton's C308F offers better protection in a critical application, allowing OEMs to benefit by lowering the energy losses in their system. End users benefit by having a greater selection of products with better circuit protection while reducing nuisance openings.

C308F Features:

- Meets electrical performance specifications for intrinsically safe (EN60079-11) applications
- Fast-acting, high interrupting rating of 4000 A at 250 Vac/dc
- Ceramic tube, silver-plated brass end cap construction
- Optional axial leads (tinned copper axial leads construction)
- RoHS compliant

Examples of Hazardous Applications Include:

- Petrochemical processing and refining equipment
- Pulp and paper processing equipment
- Pharmaceutical equipment
- Intrinsically safe network barriers

*Eaton has performed application specific testing to ensure encapsulation suitability. Please reach out to your Eaton Electronics Sales Representative for more information on this testing.

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