

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2025-025
Item to be Scouted	Fuses
Days to be scouted	15
Response Due By	02/06/2025
Description	Nonrenewable cartridge fuses, rated 600V and less, for the use in low-voltage power distribution systems and spare fuse cabinet.
Notify Requester Immediately	Yes
State item to be used in	Alabama

## Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	BABA
Describe the manufacturing processes (elaborate to provide as much detail as possible)	<p><b>Element Preparation:</b>            Cutting: Precisely cutting the metal wire into the required length.            Notching or scoring: Creating controlled weak points along the element to influence where and how the fuse will melt.            Shaping: Forming the element into the desired configuration, which could involve winding it around a core for certain fuse types.</p> <p><b>Contact attachment:</b>            Welding: Using a welding process to securely attach the ends of the fuse element to the metal end caps or contacts.            Soldering: In some cases, soldering may be used to attach the element to the contacts, depending on the design and material properties.</p> <p><b>Housing assembly:</b>            Molding: Molding the fuse body (ceramic or glass) using specialized molds.            Filler material addition: Adding sand or other filler materials within the housing to enhance the fuse's performance characteristics.</p> <p><b>Encapsulation:</b>            Sealing: Inserting the fuse element and contacts into the housing and sealing it to prevent contamination and ensure proper insulation</p>
Provide dimensions / size / tolerances / performance specifications for the item	UI Standard: 248-4; Class CC; Volts: 600; Amp: 0-30; Amp RM Sym. 200K UI Standard: 248-5; Class G; Volts: 600; Amp: 0-20; Amp RM Sym. 100K UI Standard: 248-5; Class G; Volts: 480; Amp: 25-60; Amp RM Sym. 100K UI Standard: 248-8; Class J; Volts: 600; Amp: 0-600; Amp RM Sym. 200K UI Standard: 248-10; Class L; Volts: 600; Amp: 601-6000; Amp RM Sym. 200K UI Standard: 248-12; Class RK1; Volts: 250 or 600; Amp: 0-600 ;Amp RM Sym. 200K UI Standard: 248-12; Class RK5; Volts: 250 or 600; Amp: 0-600; Amp RM Sym. 200K UI Standard: 248-15; Class T; Volts: 300; Amp: 0-30; Amp RM Sym. 200K UI Standard: 248-15; Class T; Volts: 600; Amp: 0-800; Amp RM Sym. 200K

List required materials needed to make the product, including materials of product components	<p>Cartridge fuses: nonrenewable current-limiting cartridge fuse; current rating and class, as specified or indicated, and voltage rating consistent with circuit voltage.</p> <p>Fuseblocks: Thermoplastic base with UL flammability 94VO; Clip reinforcing springs – 100A and above; 200,000 A RMS Sym withstand rating; and copper connections</p> <p>Touch Safe Fuseholders: Thermoplastic base with UL flammability 94VO, Cover over fuses, and Neon indicator lamp: “ON” when fuse opens</p>
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	Yes
Details	<p>NEMA FU 1 - Low Voltage Cartridge Fuses</p> <p>UL 248-1 - Low Voltage Fuses - Part 1: General Requirements</p> <p>UL 248-4 - Low-Voltage Fuses - Part 4: Class CC Fuses</p> <p>UL 248-5 - Low-Voltage Fuses - Part 5: Class G Fuses</p> <p>UL 248-8 - Low-Voltage Fuses - Part 8: Class J Fuses</p> <p>UL 248-10 - Low-Voltage Fuses - Part 10: Class L Fuses</p> <p>UL 248-12 - Low-Voltage Fuses - Part 12: Class R Fuses</p> <p>UL 248-15 - Low-Voltage Fuses - Part 15: Class T Fuses</p> <p>UL 512 - Fuseholders</p>
NAICS 1	335313 Switchgear and switchboard apparatus manufacturing
NAICS 2	
Additional Technical Comments	Products shall comply with BABA.

## Section 4: Business Information

Estimated potential business volume	one-time purchase of 20
Estimated target price / unit cost information (if unavailable explain)	As this is related to BABA, acceptable pricing is to be determined in negotiation.
When is it needed by?	9/1/2025
Describe packaging requirements	Best available. Delivered undamaged. Specifics discussed in negotiation.
Where will this item be shipped?	Tuscaloosa, Alabama

## Additional Comments

Is there other information you would like to include?	State of Alabama, University of Alabama
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