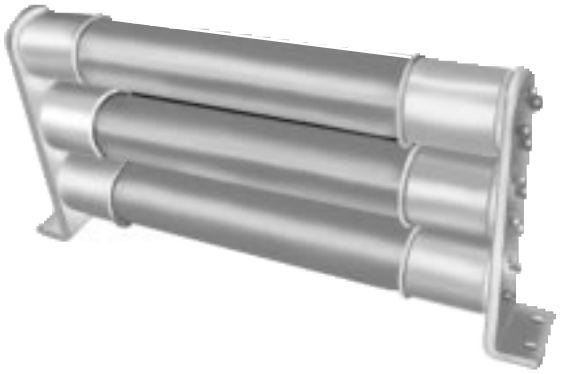
E-Rated Medium Voltage Fuses
For Transformer and Feeder Protection
5.5 kV

ECL055



CATALOG SYMBOL: ECL055

E-RATED MEDIUM VOLTAGE FUSES:

Meets E requirements per ANSI C37.46

Meets General Purpose requirements per ANSI C37.40

FOR TRANSFORMER AND FEEDER PROTECTION

VOLTAGE RATING: 5.5 KV

INTERRUPTING RATING: 63KA Maximum Sym.

CURRENT LIMITING

CONSTRUCTION:

- Silver element in a double concentric helical configuration
- Silica filler
- Silver plated copper terminals and endcaps
- Filament wound, glass epoxy fuse tube

AGENCY APPROVALS: UL pending.

FEATURES:

- **General Purpose Fuses.** Bussmann's medium voltage fuses provide general purpose protection and are capable of interrupting fault currents up to 63,000A RMS sym.
- **Clip-lock and bolt-in style available in double and triple barrel fuse designs.**
- **Indoor and Outdoor Usage.** The filament wound, glass epoxy fuse tube provides UV and moisture protection for the fuse. This makes Bussmann's medium voltage fuses suitable for both indoor and outdoor applications.
- **Blown Fuse Indication.** Indicator travel distance is 16mm.
- **Operating Frequency:** 50/60 Hz
- **Time Current Curves and Dimensional Data:** ECL055 series , see page 3.
- **Peak Let-Through Curves.** see page 3.

Electrical Characteristics

Part Number	Ampere Rating	Voltage	IR	# of Barrels	Figure #	Style
ECL055-500E	500E	5kV	63kA	2	1	Clip-Lock
ECL055-600E	600E	5kV	63kA	2	1	Clip-Lock
ECL055-750E	750E	5kV	63kA	3	2	Bolt-In
ECL055-900E	900E	5kV	63kA	3	2	Bolt-In

Part Number Construction

	Medium Voltage	Voltage Rating	Ampere Rating
Example	ECL	055	500E
		055 = 5.5 kV	

Catalog Number Cross Reference

Bussmann	Ferraz-Shawmut New Catalog #	Ferraz-Shawmut Old Catalog #	Cutler-Hammer
ECL055-500E	A055C2DORO-500E	225-007-954	5HCL14-500E
ECL055-600E	A055C2DORO-600E	225-007-955	5HCL14-600E
ECL055-750E	A055B3DORO-750E	A550X 750E-4	5HCL14-750E
ECL055-900E	A055B3DORO-900E	A550X 900E-4	5HCL14-900E

Current-limiting medium voltage fuses are classified into three categories:

Full Range - defined by ANSI as "a fuse capable of interrupting all currents from the maximum rated interrupting current down to the minimum continuous current that causes melting of the fusible element(s), when the fuse is applied at the maximum ambient temperature specified by the manufacturer." It is able to interrupt any normal 60 cycle current that will melt its element.

General Purpose - defined by ANSI C37.40 as "a fuse capable of interrupting all currents from the maximum rated interrupting current down to the current that causes melting of the fusible element in one hour." Not all currents fall within this range. It is possible to receive an overcurrent lower than the value given by the one hour criterion.

Back-up - defined by ANSI C37.40 as "a fuse capable of interrupting all currents from the maximum rated interrupting current down to the rated minimum interrupting current." The minimum rated interrupting current is the lowest current that the fuse will be able to clear properly. This creates a need to place a low current interrupting device in series with the back-up rated fuse.

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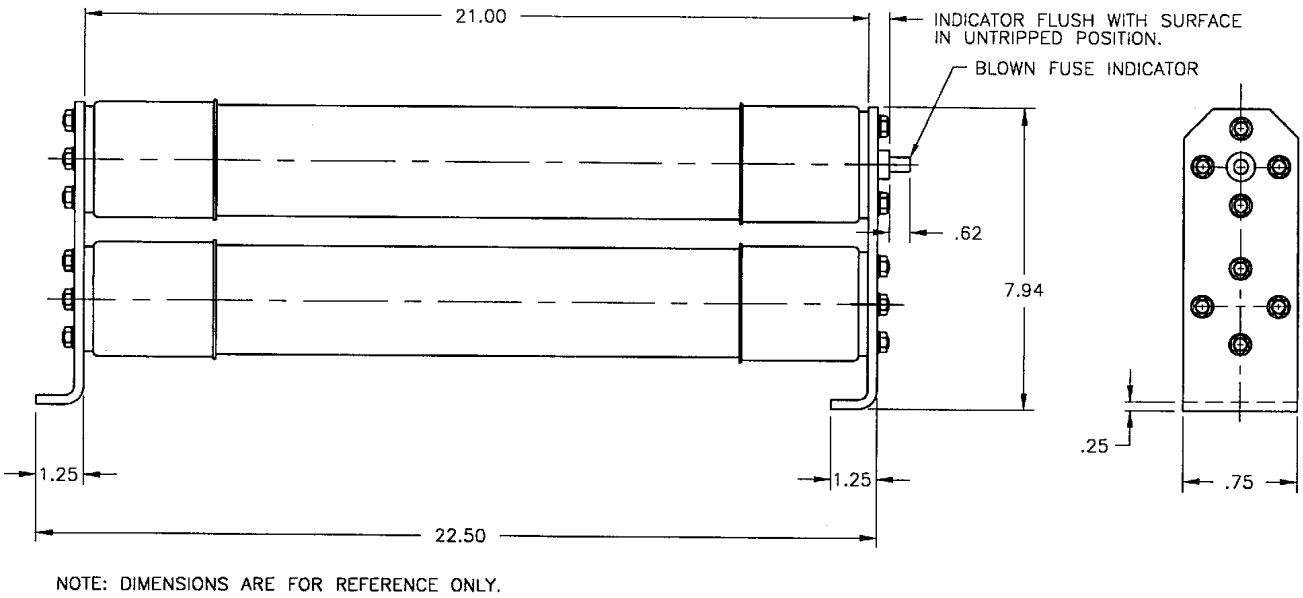
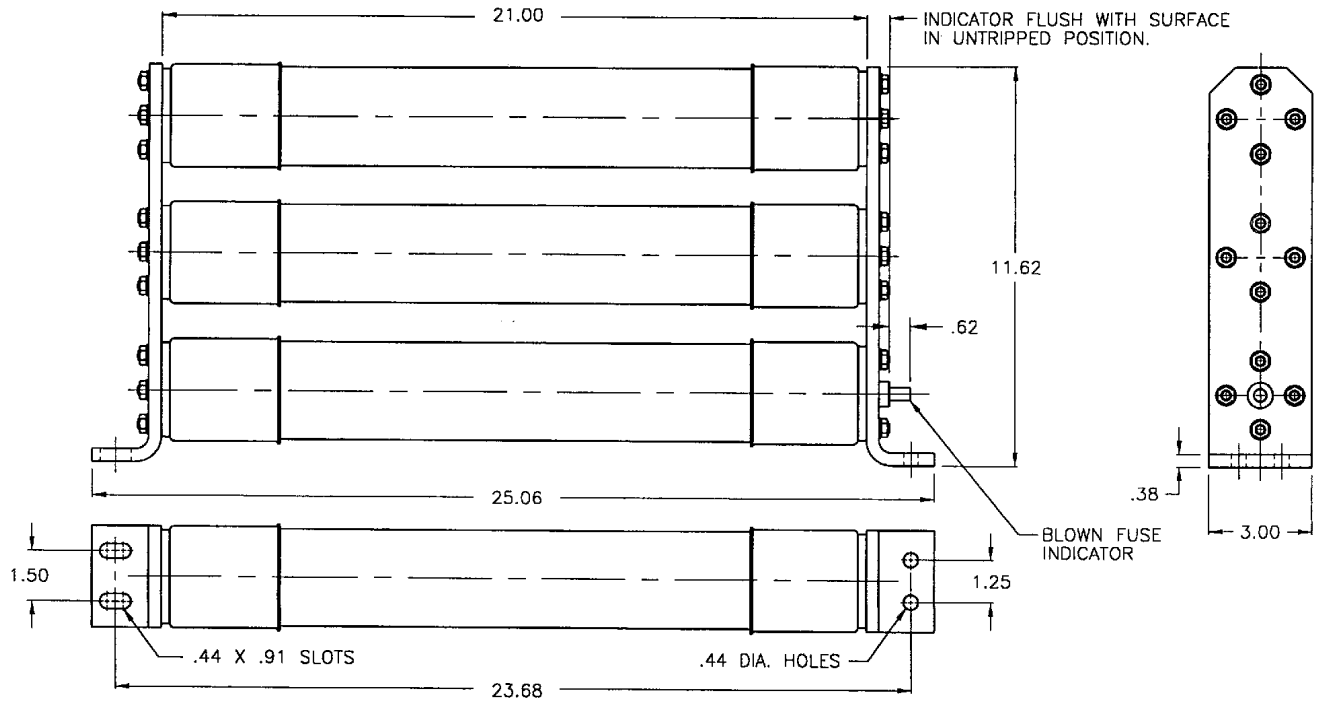
5.5 kV - ECL055 Series

Figure 1



NOTE: DIMENSIONS ARE FOR REFERENCE ONLY.

Figure 2



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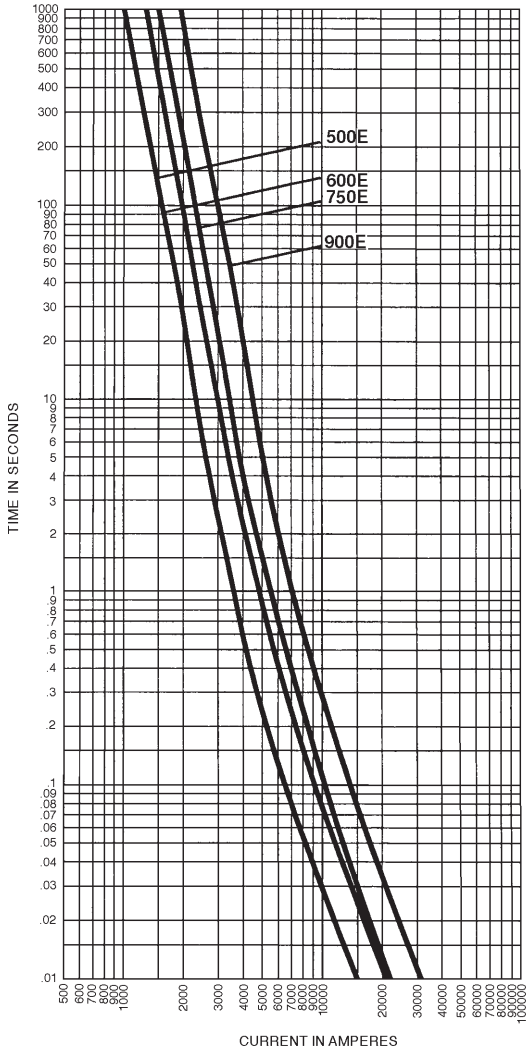
E-Rated Medium Voltage Fuses ECL055

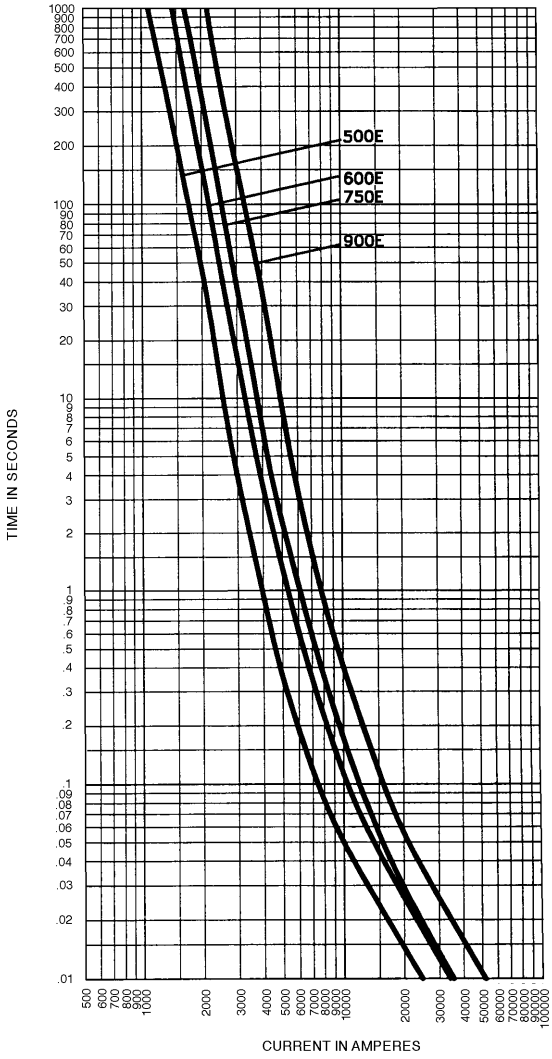
For Transformer and Feeder Protection

5.5 kV - Peak Arc Voltage & Peak Let-Through Data

Time-Current Characteristics - Minimum Melt



Time-Current Characteristics - Total Clear



Max. Peak Let-Through Current Curves