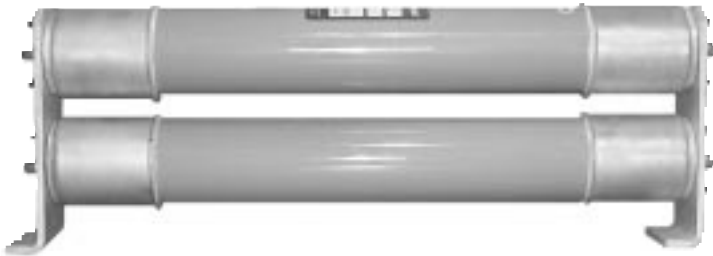


E-Rated Medium Voltage Fuses For Transformer and Feeder Protection 15.5 kV

ECL155



CATALOG SYMBOL: ECL155

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: 15.5 KV

INTERRUPTING RATING: 50KA 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 50,000A RMS sym.
- **Clip-Lock Double Barrel Fuse Design.**
- **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:** ECL155 series , see page 3.
- **Peak Let-Through Curves.** see page 3.

Electrical Characteristics

Part Number	Ampere Rating	Voltage	IR	# of Barrels	Figure #	Style
ECL155-250E	250E	15.5kV	50kA	2	1	Clip-Lock
ECL155-300E	300E	15.5kV	50kA	2	1	Clip-Lock

Part Number Construction

	Medium Voltage	Voltage Rating	Ampere Rating
Example	ECL	155	300E
		155 = 15.5 kV	

Catalog Number Cross Reference

Bussmann	Ferraz-Shawmut New Catalog #	Ferraz-Shawmut Old Catalog #
ECL155-250E	A155C3DORO-250E	225-007-980
ECL155-300E	A155C3DORO-300E	225-007-981

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.

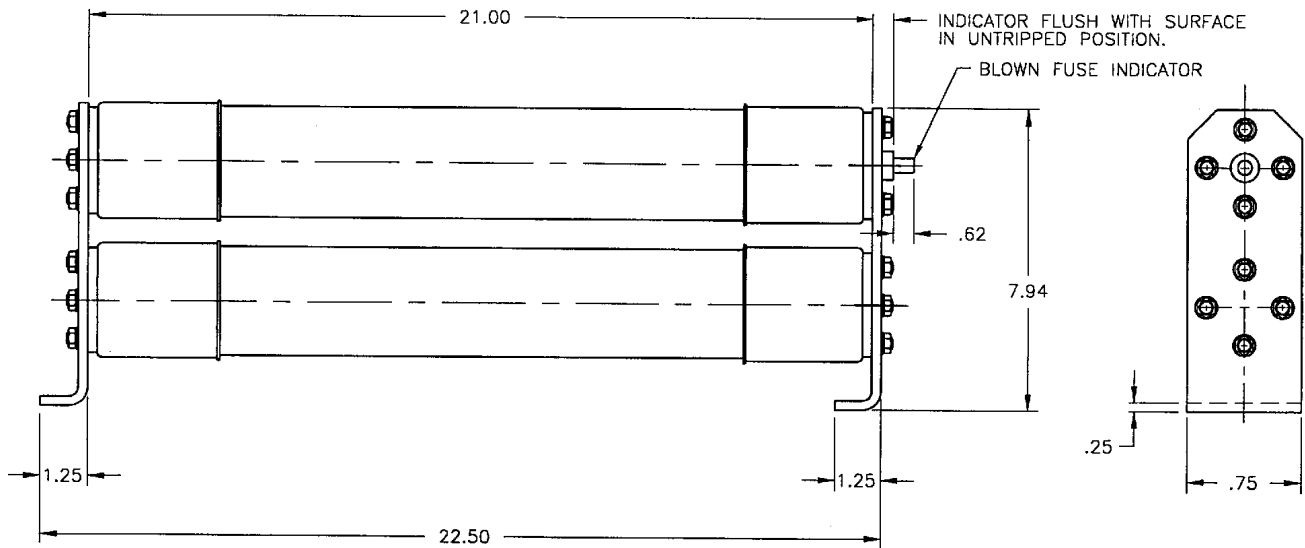
General Purpose - defined by ANSI C37.40 as "a fuse capable of interrupting all currents from the maximum rated interrupting current down to the current that causes melting of the fusible element in one hour." Not all currents fall within this range. It is possible to receive an overcurrent lower than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

E-Rated Medium Voltage Fuses For Transformer and Feeder Protection 15.5 kV - ECL155 Series

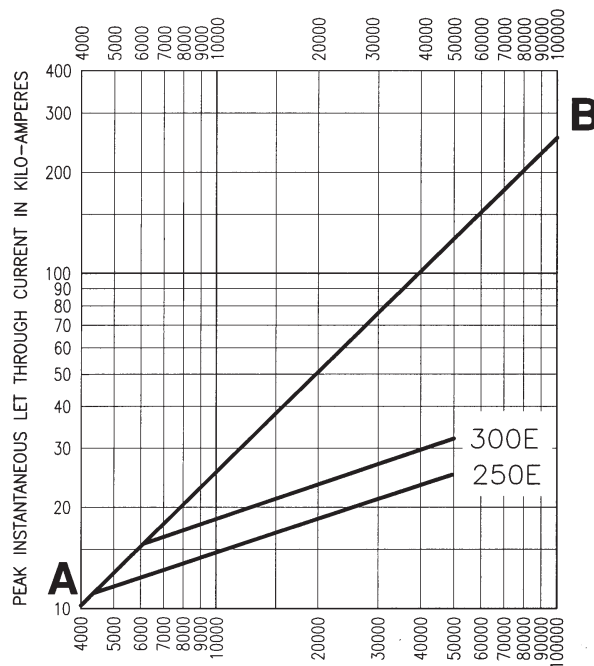
ECL155

Figure 1



NOTE: DIMENSIONS ARE FOR REFERENCE ONLY.

Max. Peak Let-Through Current Curves

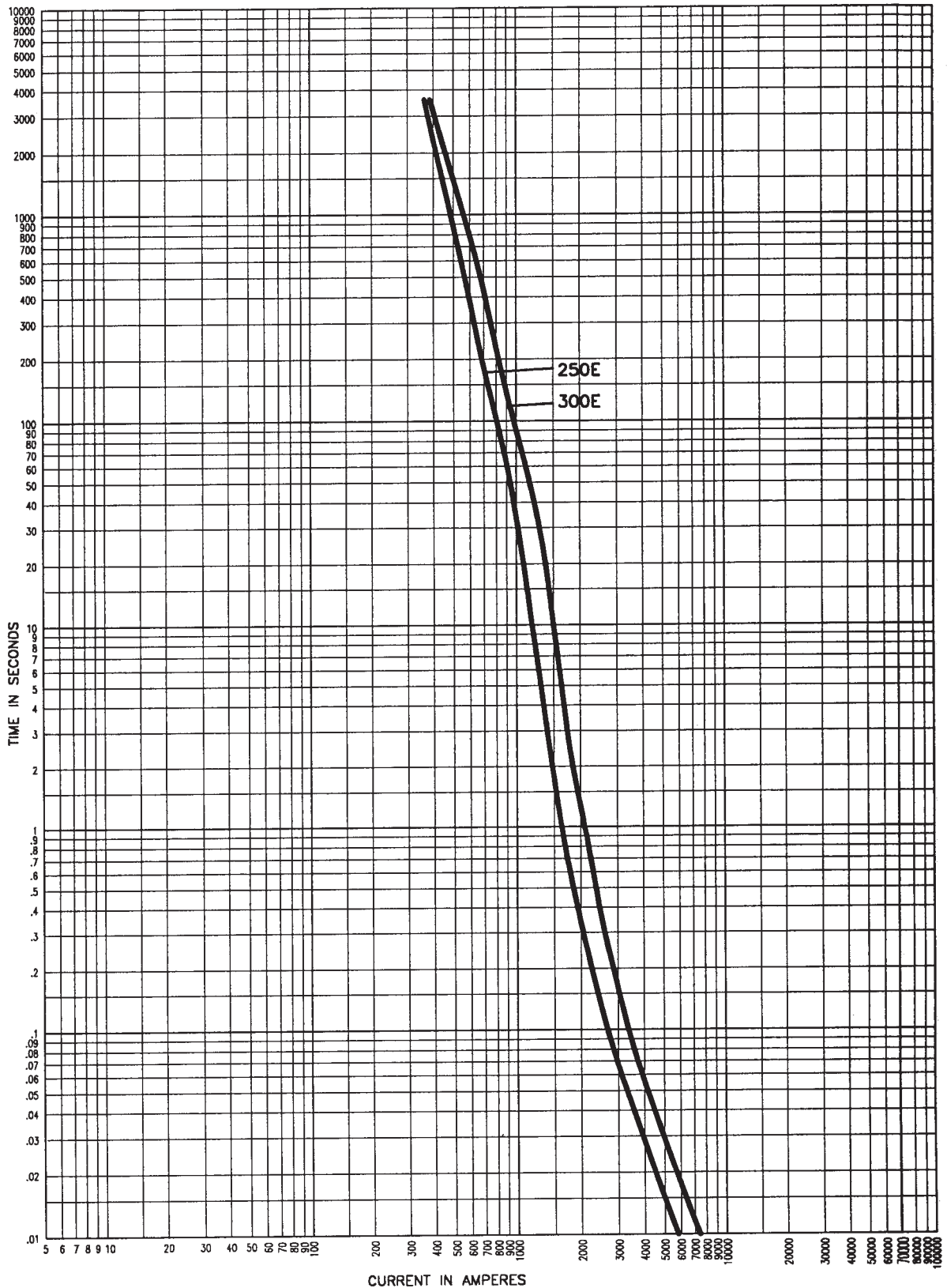


E-Rated Medium Voltage Fuses

For Transformer and Feeder Protection
5.5 kV - Peak Arc Voltage & Peak Let-Through Data

ECL155

Time-Current Characteristics - Minimum Melt



E-Rated Medium Voltage Fuses For Transformer and Feeder Protection 5.5 kV - Peak Arc Voltage & Peak Let-Through Data

ECL155

Time-Current Characteristics - Total Clear

