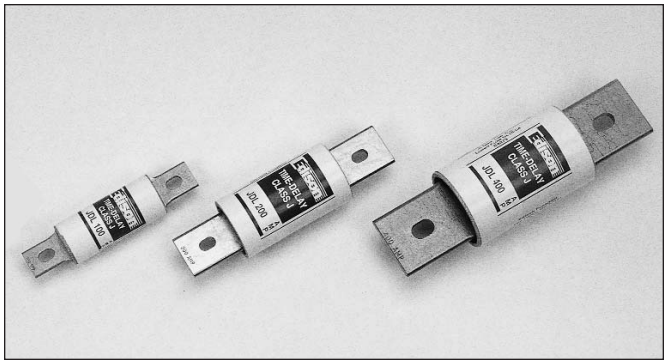
JDL
Class J 600 Volt, 70 to 600A Dual-Element, Time-Delay Fuses



Catalog Symbol: JDL

Dual-Element, Time-Delay – 10 seconds (minimum) at 500% rated current

Current-Limiting

Volts: 600Vac (or less)

Amps: 70 to 600A

IR: 200kA RMS Sym

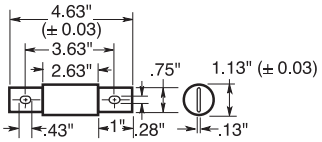
300kA RMS Sym. (self certified)

Agency Information: CE, cULus Listed file No. JDDZ.E4273, UL 248-8 – Class J Fuses, CSA C22.2 No. 248.8 – Class J Fuses, RoHS compliant

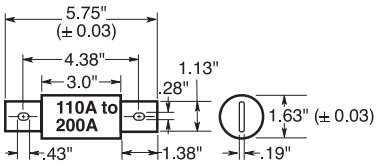
Features

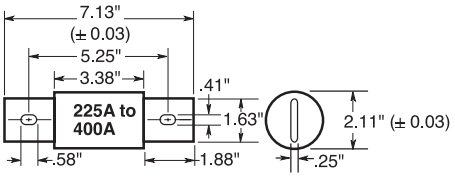
- True dual-element fuses with a minimum 10 second time-delay at 500% overload.
- Long time-delay minimizes needless fuse openings due to temporary overloads and transient surges.
- Can often be sized for back-up protection against motor burnout from overload or single-phasing if other overload protective devices fail.
- High interrupting rating to safely interrupt overcurrents up to 300kA (self certified).
- High degree of current-limitation due to the fast speed-of-response to short-circuits.
- Faster response to damaging short-circuit currents than mechanical overcurrent protective devices.
- Reduces let-through thermal and magnetic forces in order to protect low withstand rated components.
- Proper sizing provides “No Damage” Type “2” coordinated protection for NEMA and IEC motor control in accordance with IEC Standard 947-4-1.
- Dual-element fuses have lower resistance than ordinary fuses, hence they run cooler.

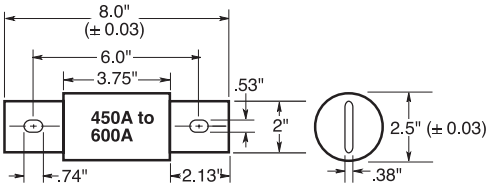
Dimensions (inches)



70A to 100A







- Lower watts loss reduces power consumption.
- Unique dimensions assure that another class of fuse with a lesser voltage rating, interrupting rating or current-limiting ability cannot be substituted.
- Space-saving package for equipment down sizing.

Catalog Numbers (amps)

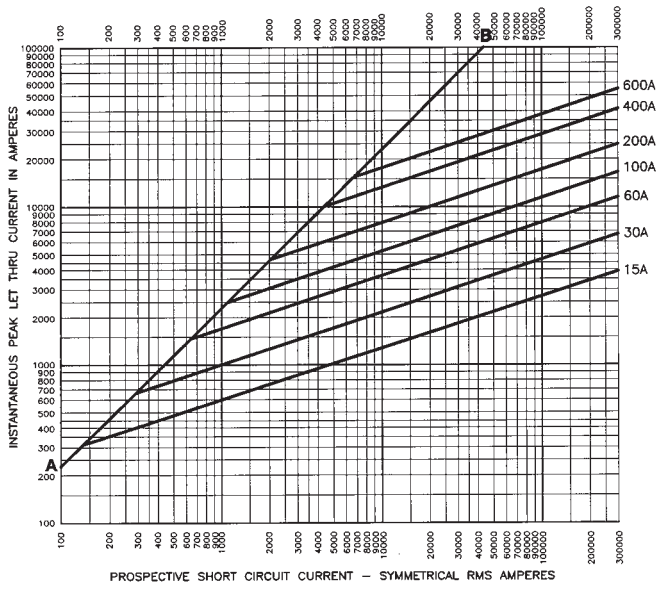
JDL70	JDL125	JDL250	JDL500
JDL80	JDL150	JDL300	JDL600
JDL90	JDL175	JDL350	
JDL100	JDL200	JDL400	
JDL110	JDL225	JDL450	

Carton Quantity and Weight

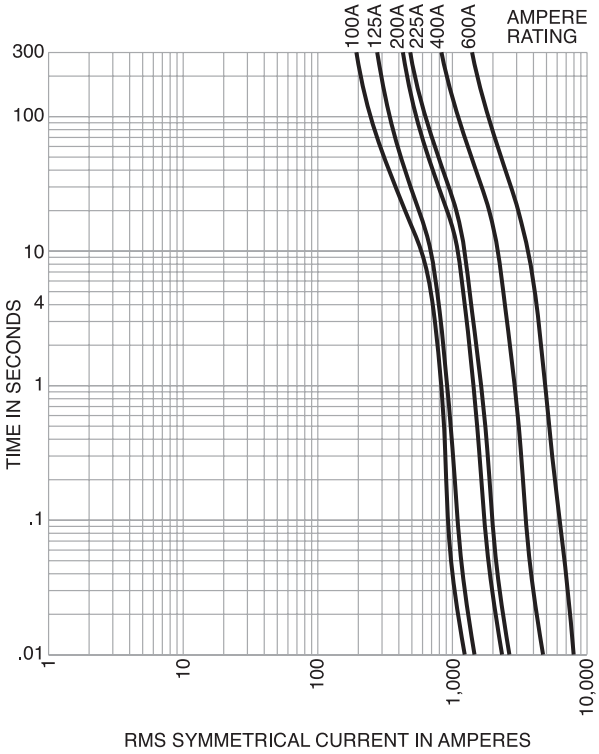
	Carton	Weight per Carton	
Amps	Quantity	lbs	kg
70–100	5	1.69	0.77
110–200	5	4.21	1.91
225–400	1	1.67	0.76
450–600	1	2.80	1.27

JDL
Class J 600 Volt, 70 to 600A Dual-Element, Time-Delay Fuses

Current Limitation Curves



Time-Current Characteristic Curves– Average Melt



Class J Fuse Blocks (600V) Catalog Data

Amps	Poles	Box Lug w/ Retaining Clip	Maximum Wire Size
70–100	3	J60100-3CR	1/0 CU/AL
101–200	1	J60200-1CR	250MCM CU/AL
201–400	1	J60400-1CR	500MCM CU/AL
401–600	1	J60600-1CR	(2) 500MCM CU/AL

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