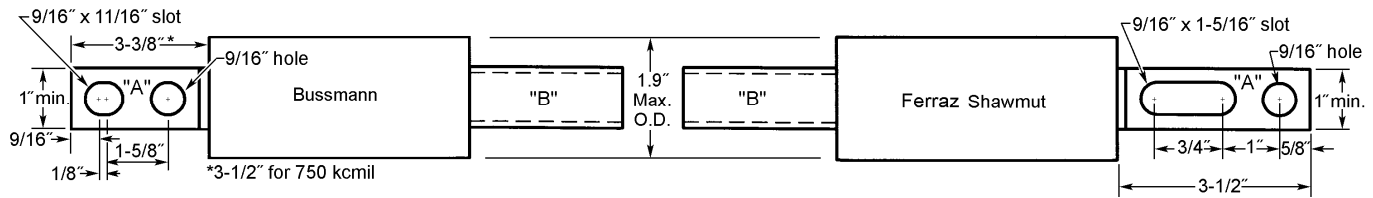


MATERIAL STANDARD**LIMITER – 600 VOLT, ALUMINUM CABLE TO BUS BAR**

- Cable Limiters** of the configuration shown are intended protect aluminum cables on 277/480, 120/208, or 120/240 volt, 1-phase or 3-phase, underground or overhead, distribution or network systems.
- Cable Class:** The cable limiters shall coordinate with the insulation damage curves of L-260 (See AIEE Paper 59-27.).
- Interrupting Duty:** The cable limiter shall have an AC interrupting duty of 200,000 amperes rms symmetrical at 600 volts or less, and shall clear faults within its duty range without any visible external physical damage to the cable or limiter. No ionized gases or volatilized metal shall be emitted.
- Terminals:** Terminal "A" shall be plated copper bar of size and drilling meeting all applicable requirements of NEMA CC 1.
Terminal "B" shall be aluminum meeting all applicable requirements of NEMA CC 3. Terminal "B" shall be factory-filled with a measured amount of oxide-inhibiting compound that will not affect the dielectric strength or power factor of cables insulated with butyl, polyvinyl chloride, polyethylene, or cross-linked polyethylene. Terminal "B" shall meet the tool and die requirements listed below, and shall have durable body markings showing the conductor size, either on the terminal or on the limiter body.
- Insulating Sleeves:** Not desired.
- Reference Specifications:**
AIEE Paper 59-27, June 1959, No. 42, pages 129-416, *Power Apparatus and Systems*.
NEMA Standard CC 1, Electrical Power Connection for Power Stations, latest revision.
NEMA Standard CC 3 (EEI TDJ-162), Connectors for Use Between Aluminum or Aluminum-Copper Overhead Conductors, latest revision.
- Stock Unit:** EA

Limiters

Stock Numbers	Cable Size	Approved Manufacturers		Terminal Tool and Die Requirements			
		Bussmann	Mersen	Die Index	Burndy	Kearney	T&B
683637	4/0 AWG	–	CP4/0A3	11A	298, U28AR	840	76
683638	350 kcmil	–	CP350A3	13A	299, U31AR	1-1/8	96
683639	500 kcmil	CDB-R	CP500A3	15A	300, U34AR	1-5/16	115
683659	750 kcmil	CDB-W	CP750A3-SP2*	–	301, P39AR	1-1/2	125

* SP2 = Special Production 2.

standards coordinator

John Shipek

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