ET®-C CORDON® ENERGY-LIMITING CIRCUIT BREAKERS

DESCRIPTION

APPLICATION

I-T-E energy-limiting thermal-magnetic circuit breakers are designed for use in load centers, power panelboards, distribution switchboards, secondary unit substations and all types of individual enclosures where the available fault currents exceed the interrupting ratings of heavy-duty and extra-heavy duty molded-case circuit breakers

RATINGS

These breakers have ratings of 15 through 2000 amperes, 240 through 600 volts A-C, 250 volts D-C with up to 200,000 symmetrical amperes interrupting capacity.

FEATURES

Energy-limiting circuit breakers combine the operating features of heavy-duty molded-case circuit breakers with the high-interrupting characteristics of the Amp-trap† energy-limiting fuse, in one compact device.

Energy-limiting breakers provide coordinated protection for any overcurrent or fault condition up to their interrupting ratings. Overcurrents and low-magnitude fault currents are cleared by the thermal-magnetic trip devices. Short circuit currents above a predetermined value are cleared by the Amp-trap energy-limiters. The fast-acting energy-limiting characteristics of the Amp-traps clear short circuit currents in less than one-half cycle, thus greatly reducing peak let-through currents. Therefore, current-carrying parts and bus-supporting members need not be designed to withstand the maximum peak available current. For short-circuit currents less than this predetermined value, the Amp-traps are not affected and replacement is held to a minimum.

Energy-limiting breakers are factory calibrated for 40C (104F) operation and sealed to prevent tampering.

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