

Circuit protection for OEMs: medium voltage multi-range fuses deliver



Eaton is applying more than 70 years of innovation in medium voltage power fuses to provide original equipment manufacturers (OEMs) and distributors with multi-range fuses. Designed for power transformer and feeder circuit protection, Eaton CME and HME multi-range fuses are engineered for configurable, safe and reliable operation in worldwide applications.

Highly configurable application

The innovative design of the CME and HME fuses allows for late-point definition, enabling customers who carry fuses to reduce their inventory. They have a maximum voltage of 5 kV and continuous current ratings up to 200A.

Customers can now configure fuses at installation, allowing them to carry the exact size needed with 1/5th the inventory cost. Always have the rating needed with the new CME and HME medium voltage fuse line.

Note: Specific rating can be field adjusted to customer requirements.

Engineered protection for enhanced safety

Eaton current-limiting fuses are designed to effectively limit fault magnitude and duration and to operate safely and quietly. At high fault currents, the fuse element is engineered to instantly melt and lose its energy to the surrounding sand. In turn, the sand melts and forms fulgurite, a glass-like substance. The arc voltage increases to approximately twice the system voltage—forcing the current to zero and an interruption. In the case of a low fault, the current melts a solder drop located on the silver element, which burns back until there is a sufficient gap to interrupt the current—known as the M-effect.

Globally rated

Eaton multi-range fuses are thoroughly tested and meet with applicable global standards. Specifically, they conform to IEEE® C37.40, C37.41 and C37.46 standards.



Powering Business Worldwide

Reliable, unique design

All Eaton current-limiting fuses use pure silver elements, which provide optimum temperature characteristics. With uniquely designed element construction, current-limiting fuses offer high ratings in a small barrel size. Components are housed in a fiberglass-reinforced resin tube with plated copper contact caps that are magne-formed onto the housing for strength and are filled with high purity silica sand.

Multi-range fuse nomenclature

5CME-40E, configurable as 10E, 15E, 20E, 25E, 30E and 40E

5HME-40E, configurable as 10E, 15E, 20E, 25E, 30E and 40E

5CME-125E, configurable as 50E, 65E, 80E, 100E and 125E

5HME-125E, configurable as 50E, 65E, 80E, 100E and 125E

5CME-200E, configurable as 150E, 175E and 200E

HME equivalence chart

HME Multi-fuse	Configurable Replacement for Fuses
5HME-40E	5HLE-10E
	5HLE-15E
	5HLE-20E
	5HLE-25E
	5HLE-30E
	5HLE-40E
5HME-125E	5HLE-50E
	5HLE-65E
	5HLE-80E
	5HLE-100E
	5HLE-125E

Note: Bolt-mount version also available (5BHME-XXE).

CME equivalence chart

CME Multi-fuse	Configurable Replacement for Fuses
5CME-40E	5CLE-10E
	5CLE-15E
	5CLE-20E
	5CLE-25E
	5CLE-30E
	5CLE-40E
5CME-125E	5CLE-50E
	5CLE-65E
	5CLE-80E
	5CLE-100E
	5CLE-125E
5CME-200E	5CLE-150E
	5CLE-175E
	5CLE-200E

Note: Bolt-mount version also available (5BCME-XXE).

CME

Maximum Voltage	Current Rating	Interrupting Rating (kA Sym)	Diameter (Inches)	Length (Inches)	Indoor/Outdoor	Mounting Types Available
5.5 kV	10E-200E	63	3.00	17.88	Indoor	Ferrule/bolt-in

HME

Maximum Voltage	Current Rating	Interrupting Rating (kA Sym)	Diameter (Inches)	Length (Inches)	Indoor/Outdoor	Mounting Types Available
5.5 kV	10E-125E	63	3.00	15.88	Indoor	Ferrule/bolt-in

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