

Ratings

System voltage class (kV)	15	25*	25/28*
Nominal fuse voltage (kV)	8.3	15.5	17.2
Rated maximum fuse voltage (kV)	8.8/10	15.5	17.2
Frequency (Hz)	50/60	50/60	50/60
BIL impulse withstand (kV)	95	125	140
One-minute AC withstand (kV)	34	40	45
Fifteen-minute DC withstand (kV)	53	78	78
Corona extinction (kV)	11	19	21.5
Symmetrical interrupting capability (A)	50,000	50,000	50,000
Current rating (A)	3–80	6–20	3–45

Application information

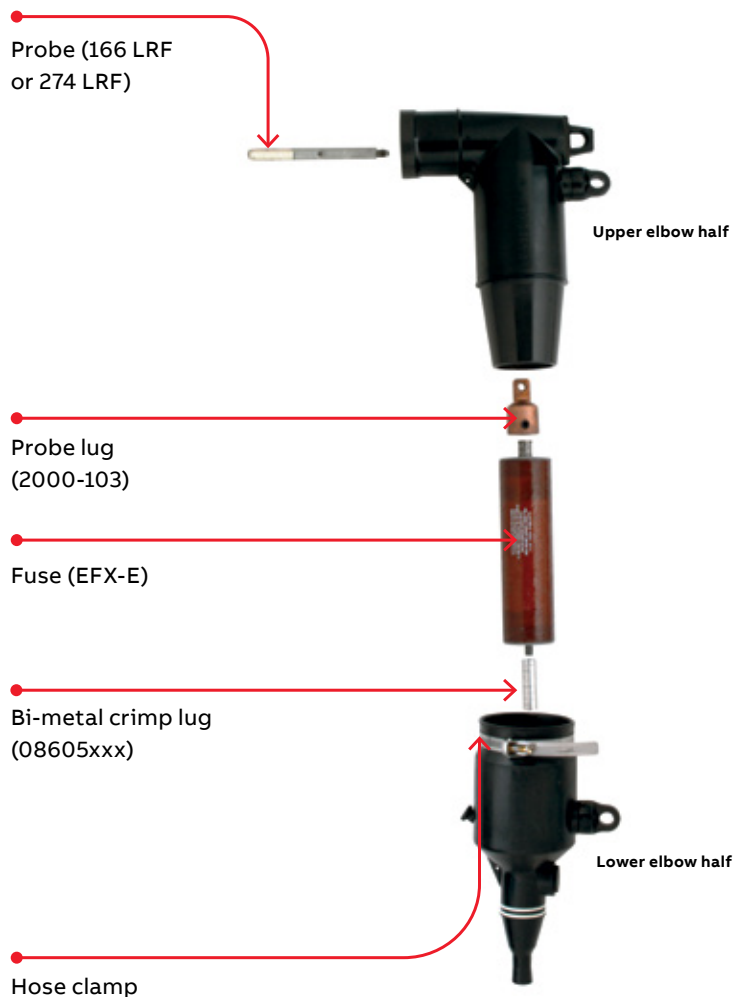
Construction: Submersible, non-venting, deadfront, corrosion resistant

Ambient temperature range: -30 °C to 65 °C

* The 15.5 kV L-G rated fuse requires 75% grounded load to be applied on a 25 kV system. The 17.2 kV L-G rated fuse requires at least 75% grounded load to be applied on a 28 kV system.

Note: Fuses are only suitable for the system voltage class shown if the recovery voltage across the fuse will not exceed its rated maximum voltage. For three-phase applications, this generally requires that protected transformers be gndY–gndY and have at least 50% grounded load. Fuse replacement requires the elbow to be de-energized.

For applications with Delta connections or less than 50% grounded load, the fuse maximum voltage must be greater than system line to line voltage, which may require using the next larger system class housing and fuse.



Certified tests

Elastimold fused elbows have been designed and tested per applicable portions of IEEE, ANSI and other industry standards, including:

ANSI C37.40 Standard for current-limiting fuse service conditions

ANSI C37.41 Standard for current-limiting fuse design and testing

ANSI C37.47 Standard for current-limiting fuse ratings and specifications

IEEE 386 Standard for separable connectors