

72.5 kV switch attachment Vacuum interrupters



An economic solution in a smaller footprint



Eaton vacuum interrupters (VIs) are used in load break switches to connect and disconnect electrical load currents providing limited load switch capacity. As a global leader of the power switching industry, Eaton developed a 72.5 kV vacuum interrupter for use in a vacuum switch attachment for high voltage air disconnect switches. In this application, the vacuum interrupter is only used to break current while providing a lower cost and a smaller footprint alternative to stacking vacuum interrupters in series.

Features

- Single vacuum interrupter allows for a compact switch
- Single vacuum interrupter reduces complicated stacking mechanisms
- Low bellows force option
- Single break option
- Low environmental impact during service life and end of life
- Low maintenance
- Low chop current
- Tested per IEEE® 1247

Markets and applications

Eaton's 72.5 kV switch attachment vacuum interrupter is being used within the utilities industry for substation or transmission applications.

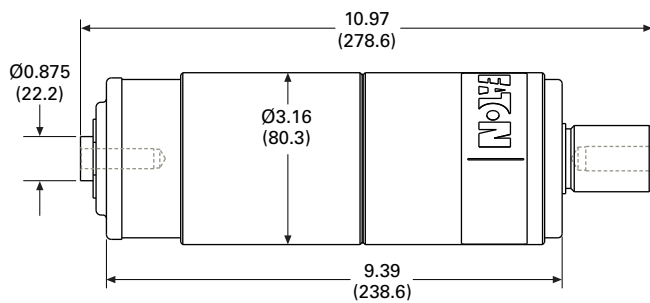
Why Eaton?

At Eaton, we're committed to delivering the right solution for the application. That's why the industry turns to us for an unwavering commitment to personal support that makes customer service a top priority. With global reach to more than 150 countries, we ensure that you have the products and support you need, where and when you need them.

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72.5 kV switch attachment dimensions



Technical specifications

Specification	
Rated maximum switching voltage	72.5 kV ❶
Rated load switching current	1250 A
Rated loop breaking current	2000 A
Maximum breaking current	2000 A
Rated power-frequency withstand voltage	160 kV ❶
Rated power frequency	50/60 Hz
Contact force from atmospheric pressure	8.2 kgF
Peak recovery voltage for line-charging switching current	142 kV ❶
Mechanical life at required contact stroke and operating speeds	10,000 operations

❶ Rated insulation values require external insulation, such as gas, oil or solid dielectric material.

Contact information

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