

A revolutionary solution for global innovation

The Series-8 Vacuum Interrupter is a standardized and modularized component that has the potential to dramatically alter existing supply chains and product development cycles.

Global citizen

Series-8 meets the highest common denominators of global specifications and certifications – IEEE, IEC and GB/DL – making it a “global citizen.” This lowers risk and investment barriers for those looking to expand into global markets because they can leverage this technology to serve customers across the globe.

Plug & play

The breadth of multiple ratings all fall within a standard height and scalable fit, allowing for “plug and play” capabilities. Therefore, you can upgrade to higher ratings within the same dimensions without having to make revisions to the physical design. In addition, Series-8 Vacuum Interrupters allow for accelerated product development and testing, as well as shorter lead times and reduced inventory costs.

Dual manufacturing

Most vacuum interrupters are sourced regionally from manufacturers with one production or distribution location. If that plant experiences production, delivery or quality control issues, there is no alternate source of supply. Eaton alleviates these concerns with dual manufacturing sources in North America and China, providing two constant supply sources, which greatly enhances supplier reliability.

Competitive pricing

Standardized design makes it easier to develop mass-market product lines that encompass a broad range of performance and safety ratings, and enables competitive pricing. Yet as an Eaton product, Series-8 offers the same high-quality standards that the industry has come to expect.



Powering Business Worldwide



Design highlights

- 1 standard height
- Compact form

Electrical ratings

- Global applicability
- Broad range of ratings

Standard features

- Pre-compact
- 50,000 mechanical cycles

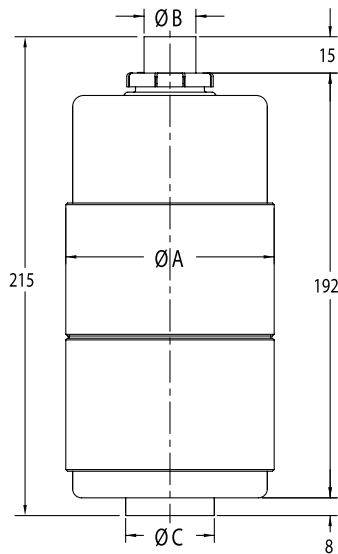
Optional features

- External insulation
- Silver plated electrodes

Series-8 12-17.5kV Vacuum Interrupter Product Line – Electrical performance characteristics

		WL-41132	WL-41143	WL-41145	WL-41153	WL-41156	WL-41163	WL-41165	WL-41167	WL-41173	WL-41175	WL-41177
Applicable breaker standards †		IEC only	IEC, GB & IEEE	IEC, GB & IEEE	IEC, GB & IEEE	IEC, GB & IEEE	IEC, GB & IEEE	IEC, GB & IEEE	IEC, GB & IEEE	IEC, GB & IEEE	IEC, GB & IEEE	IEC, GB & IEEE
Rated voltage range	U_r kV _{max}	12 & 17.5	12, 15 & 17.5	12, 15 & 17.5	12, 15 & 17.5	12, 15 & 17.5	12, 15 & 17.5	12, 15 & 17.5	12, 15 & 17.5	12, 15 & 17.5	12, 15 & 17.5	12, 15 & 17.5
Rated normal current range	I_r A _{rms}	630 / 800	1200 -1250	2000	1200 -1250	2500	1200 -1250	2000	3150	1200 -1250	2000	3150
Rated short-time withstand current	I_k kA _{rms}	20	25	25	31.5	31.5	40	40	40	50	50	50

† Applicable breaker standards include IEC 62271-100 (IEC), GB 1984 (GB), and IEEE C3704, .06 & .09 (IEEE)



Series-8 12-17.5kV Vacuum Interrupter Product Line Dimensions in mm (inches)

	Total compacted length in mm (inches)	Diameter in mm (inches)	Moveable end diameter in mm (inches) / thread	Fixed end diameter in mm (inches) / thread	Nominal contact stroke	Optional features
WL-41132	215 (8.46)	74 (2.91)	18 (0.71) / M8	36 (1.42) / M8	8.5 ± 0.5 mm	E, S
WL-41143	215 (8.46)	82 (3.23)	24 (0.95) / M8	40 (1.60) / M8	8.5 ± 0.5 mm	E, S
WL-41145	215 (8.46)	82 (3.23)	32 (1.26) / M10	45 (1.77) / M10	8.5 ± 0.5 mm	E, S
WL-41153	215 (8.46)	94 (3.70)	24 (0.95) / M8	40 (1.60) / M8	8.5 ± 0.5 mm	E, S
WL-41156	215 (8.46)	94 (3.70)	38 (1.50) / M12	50 (1.97) / M12	8.5 ± 0.5 mm	E, S
WL-41163	215 (8.46)	106 (4.17)	24 (0.95) / M8	40 (1.60) / M8	8.5 ± 0.5 mm	E, S
WL-41165	215 (8.46)	106 (4.17)	32 (1.26) / M10	45 (1.77) / M10	8.5 ± 0.5 mm	E, S
WL-41167	215 (8.46)	106 (4.17)	44 (1.73) / M16	55 (2.17) / M16	8.5 ± 0.5 mm	E, S
WL-41173	215 (8.46)	126 (4.96)	24 (0.95) / M8	40 (1.60) / M8	8.5 ± 0.5 mm	E, S
WL-41175	215 (8.46)	126 (4.96)	32 (1.26) / M8	45 (1.77) / M10	8.5 ± 0.5 mm	E, S
WL-41177	215 (8.46)	126 (4.96)	44 (1.73) / M16	55 (2.17) / M16	8.5 ± 0.5 mm	E, S

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