

MDN4000

Low voltage switchgear

Magnum narrow 4000A breaker integration



When it comes to improving capital utilization by minimizing switchgear footprint, Eaton has once again raised the bar.

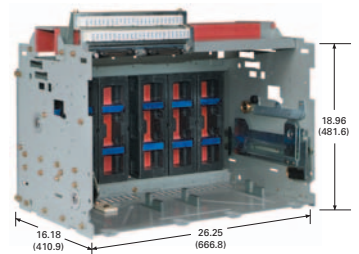
Introducing the integration of the new MDN4000 circuit breaker into low voltage Magnum DS® switchgear... Eaton has condensed all the benefits of MDS breakers into the smallest 4000A frame on the market. Placing the MDN4000 into a 30-inch structure significantly reduces unprofitable space, thereby increasing utilization of capital. It is the perfect development for data centers, institutions, hospitals, government offices and industrial users who need increased power density in limited space. The 14-inch reduction per structure results in the industry's smallest 4000A footprint. Total space allocations for electrical closets can now be condensed, thus reducing the total cost of ownership to our customers.

Product offerings

- UL® 1558 and UL 891
- 508 Vac—100 kAIC maximum short circuit
- 635 Vac—65 kAIC maximum short circuit
- 100 and 150 kAIC bus bracing designs
- 10,000A maximum main horizontal bus continuous current
- 5000A maximum vertical riser bus continuous current
- NEMA® 1 indoor and NEMA 3R walk-in available

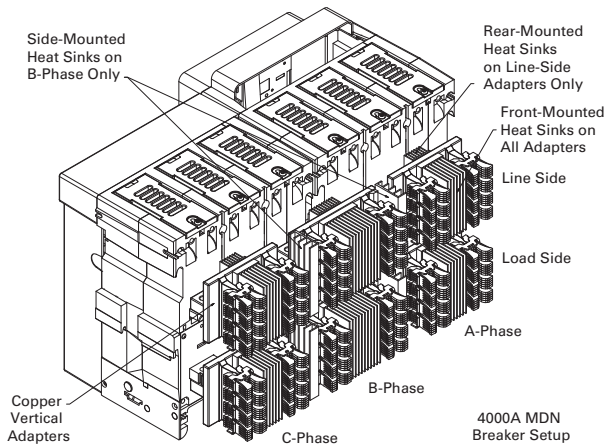
Features

- Industry's smallest footprint at 30-inch-wide breaker structure. The 44-inch-wide structure is still available as an option to serve special applications
- Minimum structure depth of 72 inches
- Three-pole compact design
- AA-BB-CC phasing on a single riser
- Top or bottom conduit entry is available
- Optional insulation on main cross bus
- Modbus® and INCOM™ communications available



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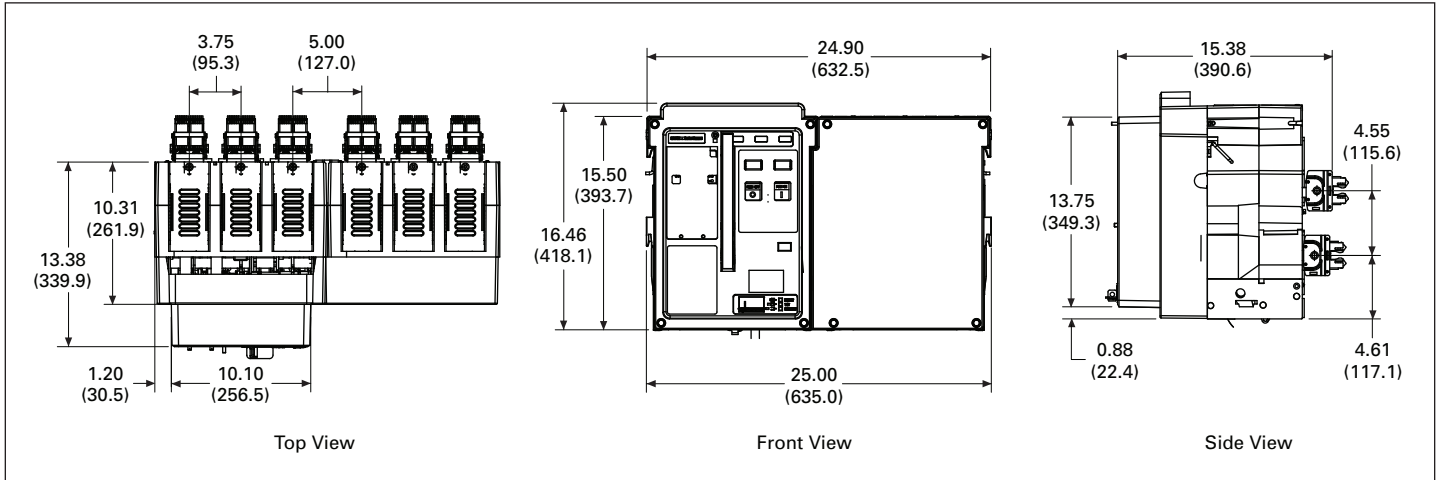
Benefits

- Provides the smallest 4000A application footprint available in the industry
- At 26 inches wide, the new MDN4000 narrow frame breaker is about 8 inches less wide than the current MDS4000 model
- Reduced size and weight of this compact breaker makes it more manageable for the operator to handle
- Smallest ANSI and UL certified 4000A frame circuit breaker offered in today's market

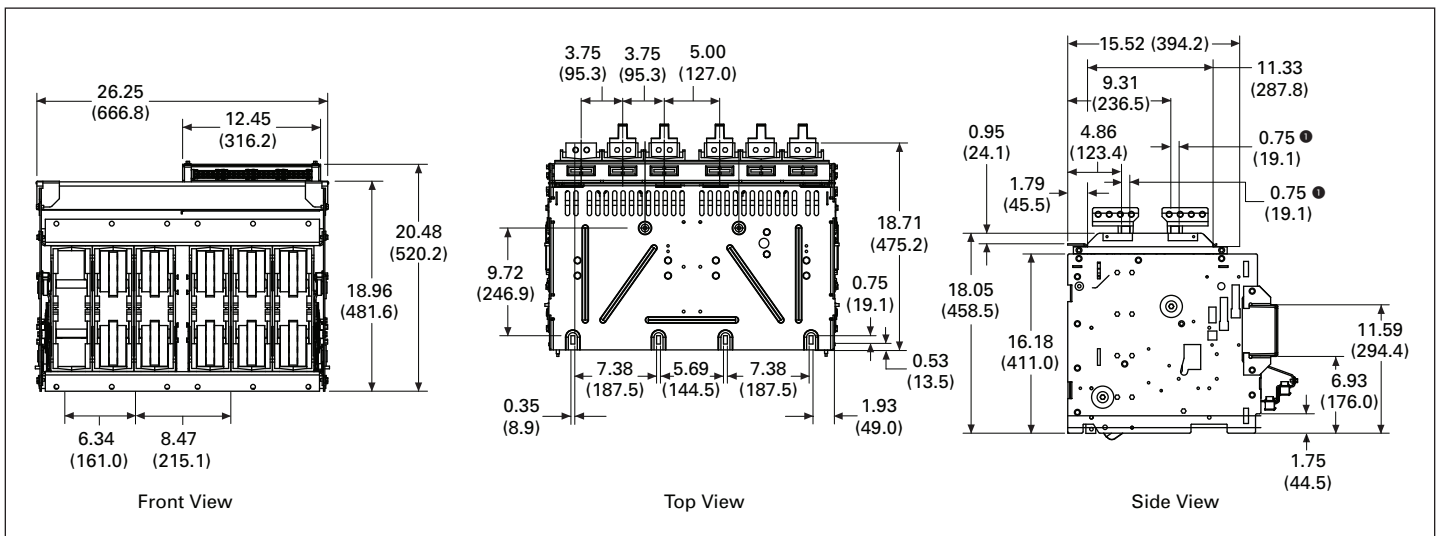
- The Eaton Digitrip™ trip unit technology is offered and features zone selective interlocking and Arcflash Reduction Maintenance System™ technologies

Testing

- ANSI C37.20.7 standards
- UL 1558 and 891
- IEC 60947-2
- Third-party seismic certification



Magnum 4000A Narrow Frame Drawout Air Circuit Breaker



Magnum Air Circuit Breaker 4000A Narrow Frame Cassette

● Thickness of stab.

Note: Dimensions in inches (mm). All dimensions are for reference only. Visit www.eaton.com for 3D CAD blocks and for more dimensional drawings.

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