

MEDIUM VOLTAGE SERVICE

Roll-in replacement for MagneBlast breakers

ABB Electrification Industrial Solutions



ABB incorporates proven technologies for medium voltage roll-in replacement circuit breakers, such as vacuum interrupters and operating mechanisms. Operating mechanisms that are specifically designed to operate with vacuum interrupters include the ADVAC™ spring charged mechanism and the AMVAC™ magnetic operating mechanism.

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01 MagneBlast Medium Voltage retrofit

Overview

ABB is a leading producer of aftermarket low and medium voltage roll-in direct replacement circuit breakers. Roll-in replacement breakers are interchangeable and can be inserted directly into existing switchgear, minimizing downtime in critical applications. ABB offers a comprehensive portfolio of pre-engineered, quick turnaround breakers for most major manufacturers.

Features

Operating mechanisms that are specifically designed to operate with vacuum interrupters include the ADVAC™ spring charged mechanism and the AMVAC™ magnetic low maintenance operating mechanism and electronic controller. Vacuum interrupters embedded in poles for superior protection against humidity, shocks and dust. Reduced number of parts, simple operation, and extended maintenance intervals.



Enhanced Safety and Reliability

All roll-in replacement designs are ANSI/IEEE tested. Upgraded technologies present in the new breaker provide ultimate safe and reliable working environment by reducing personnel time in front of switchgear lineups.

Reduced Maintenance Cost

AMVAC requires the least maintenance of all medium voltage vacuum circuit breaker designs on the market today. High number of operations between breaker servicing. ADVAC spring mechanism provides up to 20,000 mechanical operations in a compact, modular design that is readily accessible and easily maintained to reduce downtime.

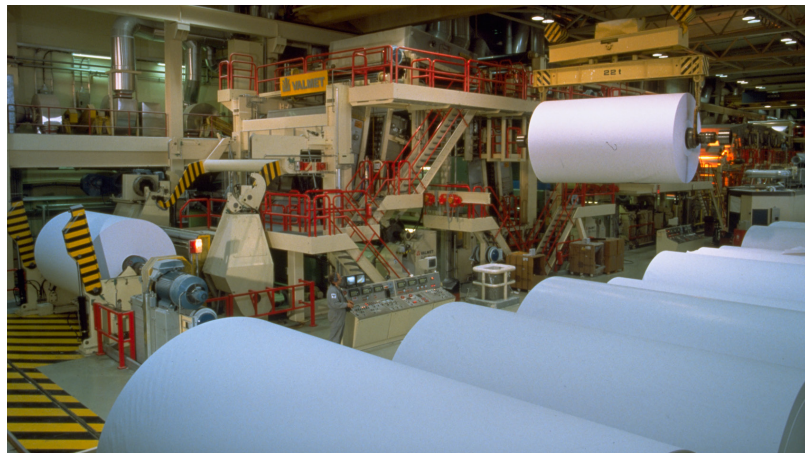
Minimized retrofit down time

Roll-in replacement breakers allow significant reduction in installation time. The motor assembly can be replaced by removing a single screw.

Visit the following link for additional options for your low voltage breaker replacements and upgrades or use the QR code on the right:

<https://new.abb.com/medium-voltage/service/extension-upgrades-and-retrofits>





General Electric roll-in replacement breaker availability

| Original breaker type | KV | MVA | New kA | AMPS | AMVAC | VD4-EL |
|--|----|-----|--------|------|-------|--------|
| AM-13.8-250/500, 1200 A 15 500 25 1200 * | 15 | 500 | 25 | 1200 | * | |
| AM-13.8-250/500, 2000 A 15 500 25 2000 * | 15 | 500 | 25 | 2000 | * | |
| AM-13.8-250/500/750, 1200 A 15 750 40 1200 * | 15 | 750 | 40 | 1200 | * | |
| AM-13.8-250/500/750, 2000 A 15 750 40 2000 * | 15 | 750 | 40 | 2000 | * | |
| AM-13.8-750-5H, 1200 A 15 750 40 1200 * | 15 | 750 | 40 | 1200 | * | |
| AM-13.8-750-5H, 2000 A 15 750 40 2000 * | 15 | 750 | 40 | 2000 | * | |
| AM-13.8-750T, 1200 A 15 750 40 1200 * | 15 | 750 | 40 | 1200 | * | |
| AM-13.8-750T, 2000 A 15 750 40 2000 * | 15 | 750 | 40 | 2000 | * | |
| AM-15-250/500, 1200 A 15 500 25 1200 * | 15 | 500 | 25 | 1200 | * | |
| AM-15-250/500, 2000 A 15 500 25 2000 * | 15 | 500 | 25 | 2000 | * | |
| AM-4.16-150, 1200 A 5 150 31.5 1200 ** | 5 | 150 | 31.5 | 1200 | * | * |
| AM-4.16-150, 2000 A 5 150 31.5 2000 ** | 5 | 150 | 31.5 | 2000 | * | * |
| AM-4.16-250H, 1200 A 5 250 40 1200 ** | 5 | 250 | 40 | 1200 | * | * |
| AM-4.16-250H, 2000 A 5 250 40 2000 ** | 5 | 250 | 40 | 2000 | * | * |
| AM-4.16-250HB, 1200 A 5 250 40 1200 * | 5 | 250 | 40 | 1200 | | * |
| AM-4.16-250HB, 2000 A 5 250 40 2000 * | 5 | 250 | 40 | 2000 | | * |
| AM-4.16-350, 1200 A 5 350 50 1200 * | 5 | 350 | 50 | 1200 | | * |
| AM-4.16-350, 2000 A 5 350 50 2000 * | 5 | 350 | 50 | 2000 | | * |
| AM-4.16-350, 3000 A 5 350 50 3000 ** | 5 | 350 | 50 | 3000 | * | * |
| AM-5-150, 1200 A 5 150 31.5 1200 * | 5 | 150 | 31.5 | 1200 | * | |
| AM-7.2-500, 1200 A 7 500 40 1200 * | 5 | 500 | 40 | 1200 | * | |
| AM-7.2-500, 2000 A 7 500 40 2000 * | 5 | 500 | 40 | 2000 | * | |
| AM-7.5-250, 1200 A 7 250 31.5 1200 * | 5 | 250 | 31.5 | 1200 | * | |
| AM-7.5-250, 2000 A 7 250 31.5 2000 * | 5 | 250 | 31.5 | 2000 | * | |

Contact us:

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