

Breaker Borne Racking (BBR)

Circuit breaker integrated racking mechanism for ADVAC® and AMVAC™ MV vacuum circuit breakers



ABB offers a new motorized racking accessory for ADVAC and AMVAC medium voltage circuit breakers. The integrated racking mechanism remotely performs circuit breaker racking in and racking out operations, helping increase personnel safety by keeping operators outside the arc-flash boundary.



Safety and protection

- Removes personnel from arc-flash boundaries
- Provides remote racking through all three IEEE breaker positions of disconnect, test and connect
- Positive mechanical position interlocking
- Limit switches and mechanical stops help ensure proper operation
- Clutched motor design removes motor resistance for manual racking operation
- Capable of handling 180 ft of torque on racking mechanism



Easy to install

- Minimal wiring with no breaker compartment changes required
- Common design for all ADVAC and AMVAC 5 kV, 8 kV, 15 kV, 27 kV and 38 kV medium voltage circuit breakers
- Several control circuit design levels available
- Optional roll-on-floor (ROF) caster wheel accessories



Protect assets

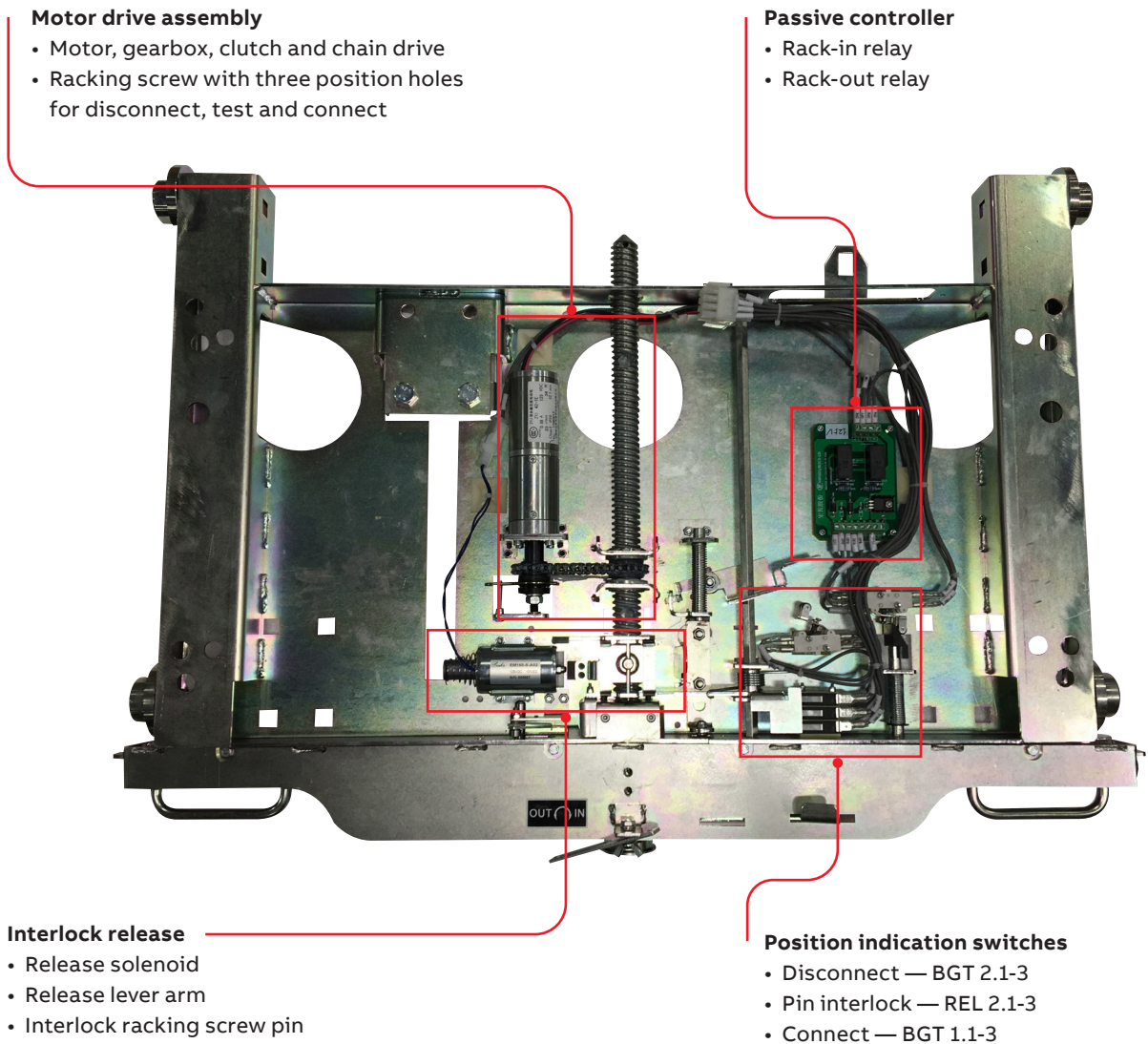
- UL listed
- Type tested according to twice the requirements of IEEE C37.09



Optimize investment

- 10 times less power consumption (63 W) for reduced battery bank systems
- Minimal control requirements
- Helps reduce liability risks during critical racking operation

The ABB medium voltage motorized integrated racking mechanism electrically racks the removable ADVAC® or AMVAC™ circuit breaker between the three physical service positions — disconnect, test and connect — within the switchgear compartment.



BBR integrated racking mechanism

Rated voltage	VDC	125	220
Power	W	63	63
Operating current	A	0.5	0.29

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