

DESCRIPTION

The **CBS ArcSafe® RRS-3 MDSR1** single-application remote racking system (RRS) is designed to operate Eaton/Cutler-Hammer Magnum DS and SB air circuit breakers without any modifications to existing electrical equipment.* The RRS-3 MDSR1 is compatible with breakers with ratings of 800–4000 A. The motor attaches quickly to the breaker's racking mechanism. The drive element goes through the racking window and is attached by lowering the latch into the lockout/tagout device. The motor detaches just as easily. The RRS-3 MDSR1 features an onboard video camera with a digital display, allowing users to remotely monitor the breaker's position indicator, racking sequence, and applied torque.

All RRS-3 MDSR1 models include the racking motor/actuator with onboard video camera, a power supply, a GFCI power adapter, rechargeable lead-acid batteries, a 30-foot control cable, a handheld video-enabled controller, a durable and watertight Pelican® carrying case, and an instruction manual. An optional 50-foot control cable is available for all models. Customers are responsible for determining the required cable length.

** For remote switching for the Eaton/Cutler-Hammer Magnum DS and SB, CBS ArcSafe offers two options: the RSK-MDS30 for trip/close operations and the RSA-48 for charge/trip/close operations.*



RRS-3 MDSR1

Eaton/Cutler-Hammer Magnum DS, SB
Door Closed, 800 – 4000 A

SPECIFICATIONS

- AC input voltage: 115 V, 60 Hz (220 V, 50/60 Hz available upon request)
- AC fuse type: 3 A, 4 AG
- Battery voltage: 24 V
- Gearmotor voltage: 24 V
- Max battery charging current: 500 mA
- Battery capacity: 3.2 Ahr
- Battery type: Sealed lead-acid
- Video camera lens: 8 mm, 40 degrees FoV
- Video camera light sensitivity: 0.1 lux
- Gearmotor theoretical max torque: 36 foot-pounds
- Gearmotor torque limit factor: 25 foot-pounds
- Racking motor projected life: 10,000-plus operations
- Carrying case: Manufacture by Pelican® with the following features: Vortex® valve, watertight construction, lightweight strong HPX® resin, two press and pull latches, two pad-lockable hasps, double-layered soft-grip handle, flush powerful hinges; meets airline carry-on regulations; exterior dimensions 16.20 x 12.70 x 6.60 in. (41.1 x 32.2 x 16.8 cm)
- Total unit weight: 35 lbs.
- Full part number: RRS-3 MDSR1-30C (for 30-ft. cable) or RRS-3 MDSR1-50C (for 50-ft. cable)



Video-enabled controller with camera for watching the Magnum DS position indicator. On the right side of the screen is the torque bar graph monitor.

