SIEMENS

Ingenuity for life

Closed-door racking modification

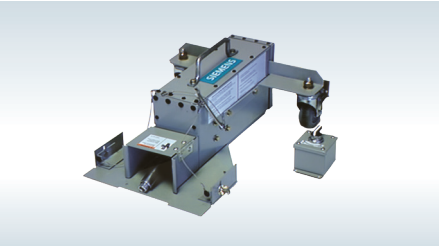
Allis-Chalmers D&F switchgear

In order to improve operator safety, Siemens offers a field modification to convert types D and F switchgear to a closed-door, remote rack design. This modification provides a cost-effective solution to keep operators clear of the arc flash zone during breaker racking.

Allis-Chalmers and, later, Siemens manufactured types D and F medium-voltage switchgear from 1958 through the late 1980s. This gear utilized air-magnetic breakers that were typically manually racked via a lever while the cubicle panel door was open.

The field modification consists of a floor-mounted screw racking device and a breaker-mounted bracket to interface with the floor-mounted screw device. These additions allow end-users to either have closed-door manual racking or closed-door remote racking.

The closed-door remote racking option requires the above mentioned cell and breaker additions, as well as a minor front panel modification, to accept a torque-regulated motor. The motor can be moved from one cell position to the next, thus only one motor device is required.



Before: Original floor-mounted lever racking, commonly used on types D and F switchgear, required the operator to stand in front of the breaker with the panel door open.

After: Following the field modification, the breaker can be racked in and out while the operator stands outside of the arc flash zone.

Top view of racking screw

Manufacturer	Model	kV	Ratings MVA	AMP
Allis-Chalmers/Siemens				
D gear	MA, MSV	4.76	250	1,200, 2,000
			350	1,200, 2,000
	FA, FSV	4.76	350	3,000
F gear	FB, FSV	8.25	500	1,200, 2,000, 3,000
	FC/FCV, FSV	15	500	1,200, 2,000
			750	1,200, 2,000, 3,000
			1,000	1,200, 2,000, 3,000

Easily installed on existing units and can be provided for 5 kV, 7.5 kV and 15 kV ratings, from 1,200 A through 3,000 A.

Siemens Industry, Inc.
7000 Siemens Road
Wendell, NC 27591

For more information, please contact our Customer Support Center.
Phone: 1-800-333-7421

usa.siemens.com

Order No: EMTS-B40013-00-4AUS
Printed in USA