Medium Voltage Metal-Clad Switchgear with Type VR Circuit Breakers

4.76 kV-15 kV 3000 A 63 kA

Advanced technology for leading reliability

For over 100 years, Square D brand products from Schneider Electric™ have been setting standards in quality for the electric industry and serving utilities with reliability they can count on. By combining the latest developments in circuit breaker technology with world-renowned quality, the MetalClad Type VR Vacuum Circuit Breakers from Schneider Electric are the most advanced medium voltage circuit breakers available.

MasterClad™ standard features

• High-speed operation three cycles
• Removable (drawout) circuit breaker
• Fully compartmented construction
• Grounded metal barriers enclose all live parts
• Automatic shutters
• Insulated bus
• Mechanical interlocks
• Disconnect type CPT and VTs grounded
• Breaker truck in and between test/disconnected and connected positions
• Low voltage instrument/control compartment isolated from primary voltage areas
• Compliance to ANSI standards C37.06, C37.09, C37.013, C37.54 and C37.55 (designed and tested to comply with or exceed ANSI and IEEE standards)
• ISO 9001 Certification (Designed and manufactured in a facility that is Quality Systems Certified by Underwriters Laboratories, Inc.® to ISO 9001)

VR breaker standard features

• 12 pole auxiliary switch
• All outer doors latch open at approximately 120 degrees
• Type RI mechanism with integral manual charging handle
VR vacuum circuit breaker ratings

<table>
<thead>
<tr>
<th>Breaker catalog number</th>
<th>Voltage max. kV rms</th>
<th>Short circuit current kA rms 2 sec</th>
<th>Rated continuous current</th>
<th>Max. symmetrical interrupting capability kA rms</th>
<th>Low frequency withstand kV rms 1 min</th>
<th>Full wave lightning impulse withstand kV crest</th>
<th>Close and latching capability kA peak</th>
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<td>Circuit Breaker</td>
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*5-15 kV 4000 A 63 kA ratings available 2Q 2012

Optional features
- Additional trip coil
- Under voltage tripping
- Trip coil monitoring
- Springs charge indication

Benefits
- High-speed operation (Interrupting time of three cycles)
- Long life (Hermetically sealed interrupters protect contacts from corroding elements and contamination)
- Ease of maintenance (interrupter assemblies have contact wear indicators easily accessible)

UL
Listed Metalclad Switchgear

Schneider Electric USA
1415 South Roselle Road
Palatine, IL 60067
Tel: 888-778-2733
www.schneider-electric.com

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