Substation products and solutions

Substation
Station class hookstick disconnects
EH
EH EHL EHTT
Application:
Off-load disconnection and isolation of substation equipment.
On-load disconnection and isolation of substation equipment.
Substation tandem-transfer switching.

Voltage class (U d):
15, 25, 38 kV
Continuous current:
600, 900, 1,200, 2,000 A
Lightning impulse (BIL):
110, 150, 200 kV

Description:
The type EH is a simple and reliable power-class disconnect switch which features a square-tubular blade for exceptional mechanical rigidity and electrical conductivity.

Features:
• High-pressure, coin-silver jaw contacts
• Positive-latch, effective pry-out mechanism
• Precision machined hinge and jaw castings for low-resistance connection
• 90º blade stop
• NEMA 3” D.B.C. insulators
• Standard or customized mounting options
• Galvanized steel channel or formed universal base.

Options:
• Available in a type V configuration
• Tapped connection
• Grounded neutral
• Cold connected
• Cold connected with parallel neutral
• Backpack set.
• Pair with Siemens protective relays to match most typical applications
• Medium-volume knockouts, 90°, 120° and 150° standard

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Distribution circuit breaker
SDV7

Ratings:
• 15.5 kV, 20 kA to 40 kA, 1,200 A to 3,000 A, 110 kV BIL
• 17.5 kV, 20 kA to 40 kA, 1,200 A to 3,000 A, 110 kV BIL
• 27.6 kV, 20 kA to 25 kA, 1,200 A to 2,000 A, 150 kV BIL

Enclosure types:
• Standard: non-arc-resistant, type SDV7
• Optional: arc-resistant, accessibility type 2B to ANSI/IEEE C37.20.7, type SDV7-AR.

Features and benefits:
• Extended capacitor switching (optional)
• Tested for out-of-phase switching ratings (ANSI/IEEE C37.09)
• Large relay and control compartment
• Stainless steel exterior hardware
• Porcelain dry-type bushings with extended creep
• Highly reliable vacuum interrupters - mean time to failure (MTTF) over 50,000 years
• Pair with Siemens protective relays to match most typical applications
• Moderate and high seismic qualification (zones 1-4) available
• Meets or exceeds the latest ANSI, IEEE and NEMA standards
• ANSI/IEEE “rain-tested” enclosure (ANSI/IEEE C37.20.2).
### Distribution switching

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The Siemens family of outdoor, medium-voltage distribution products and solutions

**Features:**
- Continuous current: Ruggedly built, the Siemens step-type voltage regulator is available for indoor and outdoor applications. It is available for single- or three-phase units.
- Energy class: This technology is based on a droop of experience in circuit breakers, and can be used on the Siemens 5SR or 5US voltage regulators.
- Voltage regulation: The step type voltage regulator is not available in the US. It can improve the utility's return on investment by reducing line losses and helping to mitigate transmission, distribution, and substation equipment failure.