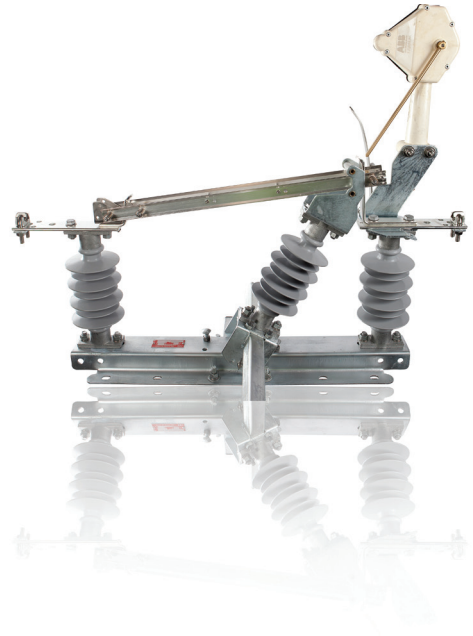


R Series

Outdoor Vertical Break Disconnecter/Load Break Switch

R Series vertical break disconnecter is designed and tested for outdoor distribution and substation applications with voltage rating up to 36 kV and current rating up to 2000 Amps. The disconnecter unit can be upgraded to include load break interrupters for general purpose switching performance. The R Series Switch/Disconnecter can be operated either manually or remotely using a motorized unit.

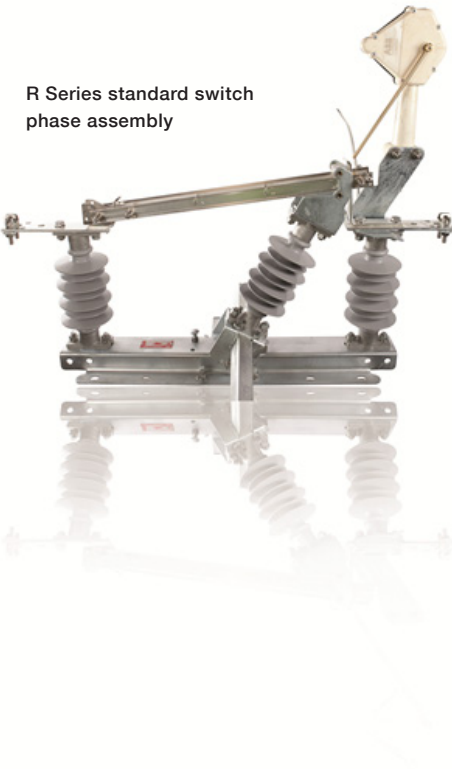


Key Features

- Complies with AS60251-1 and IEC 60265-1
- Vertical break operation
- Rated voltage: 24 and 36 kV
- Rated current: 800, 1200 and 2000 A
- Up to 225 kV BIL
- Porcelain, polymer or cycloaliphatic insulators
- Choice of operating mechanisms: Vertical handle, hook stick, motorized (UEMC50) and auxiliary switch
- Flexible installation and mounting configurations (pole top, mid pole horizontal and mid pole vertical on single or H-POLE structure)
- Fully unitised and adjusted ready for installation or delivered in assembled phases for modular on-site assembly
- Designed and tested in accordance with IEC60265-1 Standard.
- Designed to be fitted with expulsion drop-out fuses or earthing switch
- Stainless steel and hot dip galvanized ferrous components- resistant to corrosive environments
- Silver plated copper contacts
- Tin plated copper terminal palms

R Series Configurations

R Series standard switch phase assembly



R Series/EDO phase assembly



R Series earth switch phase assembly



R Series Operating Mechanisms



Up-Down



Up-Down
fortress lock



Hookstick



UEMC50 Motor



Auxiliary Switch



Auxiliary
Switch/E-SW



R/Earth-SW

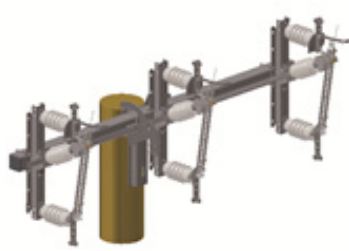


R/Earth-SW C/W
fortress lock

Pole Install Configurations



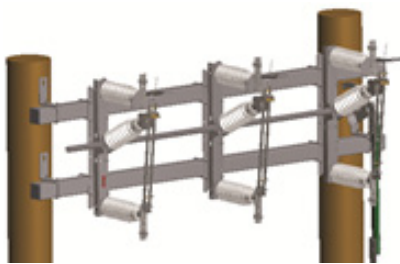
Single Pole/Single X-arm /Horizontal



Single Pole/Single X-arm /Vertical



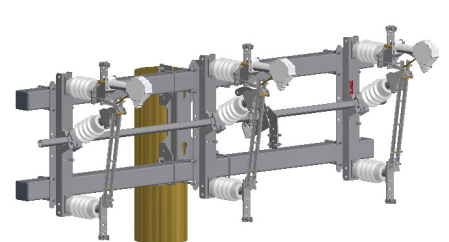
Single Pole/Double X-arm /Horizontal



H-Pole/Double X-arm /Vertical



H-Pole/Single X-arm /Horizontal



Single Pole/Double X-arm /Vertical

R Series

Outdoor Vertical Break Disconnecter/Load Break Switch

Technical Data

Rated Voltage (Ur)	kV	12/24		33/36			
Rated Current (Ir)	A	Up to 2000					
Rated Frequency (fr)	Hz	50/60					
Rated power frequency (1 minute)							
- across isolating distance	kV	60		80		130	
- to earth and between phases	kV	50		70		115	
Rated lightning impulse (1.2/50 μs impulse wave)							
- across isolating distance	kV	170		195	200	230	260
- to earth and between phases	kV	150		170		200	225
Arcing distance	mm	225		380		380	437
Insulator Material	-	Porcelain	Polymer	Porcelain	Polymer	Porcelain	Cycloaliphatic
Creepage distance	mm	380	610	660	1055	1060	1370
Cantilever strength	kN	7.5	9.5	5.5	7	5.5	5.5
Minimum distance between phases	mm	350		380		450	500
Minimum isolating distance	mm	220		320		380	380
Rated short-time current, 800A unit							
- 1 second	kA	25		31.5			
- 3 second	kA	20		25			
Rated peak withstand current	kAp	62.5		78.75			
Mechanical endurance	Ops	1000					
Ambient temperature range	°C	-40....+40					
Load break Interrupter							
- Rated Mainly active load breaking current (I1)	A	630					
- Rated closed loop breaking current (I2a)	A	630					
- Rated no load transformer breaking current (I3)	A	10					
- Rated cable charging breaking current (I4a)	A	18					
- Rated line charging breaking current (I4b)	A	2					
- Mechanical endurance	Ops	1000					

R series flyer

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