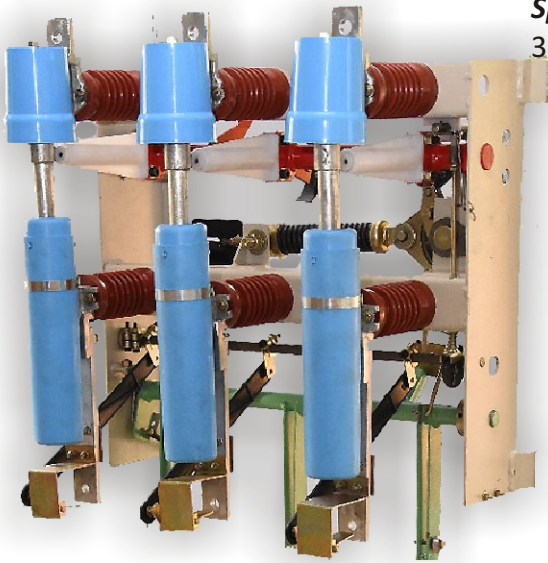


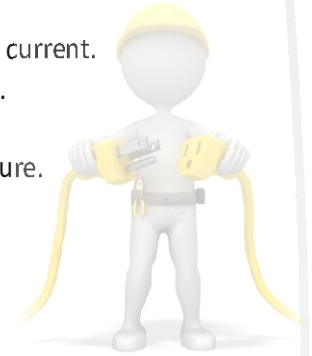
## SE LBS Series >>>



**Spark Engineering** offers Indoor type Load break switches upto 33 kV range. Our Model equips basic robust mechanism which are user friendly and ease in maintenance. Both Motorized and manual operated type are available with us. Our switches are simple with maintenance free mechanism .

### Salient Features: >>>

- ★ Switch can be make/break at the normal rated current.
- ★ Switch can be make at the short circuit current.
- ★ Robust design.
- ★ Switch mechanism has quick make - break feature.
- ★ It is barely dependent on operator skill.
- ★ Provided with Insulated handle



### Switch available in following options: >>>

- ★ With Earth & Without Earth switch
- ★ Shunt Trip Coil for emergency tripping
- ★ Auxiliary contacts including advance contacts
- ★ Motorized feature

### Technical Data >>>

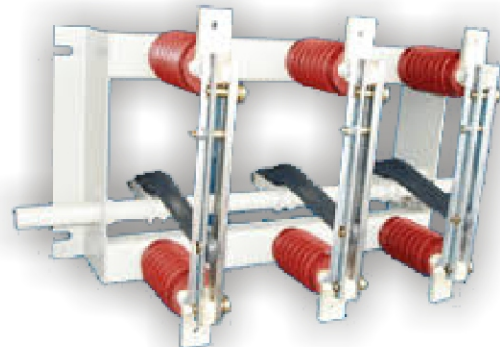
Rated Voltage	12kV	22kV	36kV
Rated Current	630A	630A	630A
Rated Insulation Level	28/75kV	28/75kV	28/75kV
Rated Short Time	26.3kA/3Sec	26.3kA/3Sec	26.3kA/3Sec
Rated Making Current	66kA	66kA	66kA

## SE Offload Isolator Series : >>>

**Spark Engineering** offers Indoor type Offload Isolator upto 33 kV range. Our Model equips basic robust mechanism which are user friendly and ease in maintenance. Both Motorized and manual operated type are available with us. Our switches are simple with maintenance free mechanism .

### Isolator available in following options: >>>

- ★ With Earth & Without Earth switch
- ★ Auxiliary contacts including advance contacts
- ★ Motorized feature
- ★ Single Pole Offload Isolator are also available with us
- ★ Isolator with Arc Quenching mechanism



### Technical Data >>>

Rated Voltage	12kV	22kV	36kV
Rated Current	630A	630A	630A
Rated Insulation Level	28/75kV	28/75kV	28/75kV
Rated Short Time	26.3kA/3Sec	26.3kA/3Sec	26.3kA/3Sec
Rated Making Current	66kA	66kA	66kA

## SE Vacuum Circuit Breaker :

**Spark Engineering** offers Cassette Type ( withdrawable) 12/24 kV Vacuum Cicruit breaker designed for a metal glad switchgear , featuring compact dimensions of the circuit breaker and switchboard panels.

Available current ratings of upto 2000A , with a maximum short time current withstand current of upto 31.5 kA / 1 sec.

SE VCB series is a motor driven spring energy stored mechanism and has capable of more than 20,000 operations



### Features :

- ★ A low maintenance circuit breaker
- ★ Employing VI with a lifetime of 20 years
- ★ Ease of operation on closed front section
- ★ Quick charging time
- ★ Compact design
- ★ Interlocked for safe operation
- ★ Electrical Antipumping feature
- ★ Safety Shutter Mechanism
- ★ Great to withstand extreme climatic conditions

### Circuit Breaker available in following options

- ★ With Earth switch
- ★ With Cassette
- ★ Manual or Motorized Circuit breaker

### Applicable Standards

Load Break Switch	IEC 60265 / IS 9920
Offload Isolator	IEC 60265 / IS 9920
Vacuum Circuit breaker	IEC 62271-100 / IS 3427

### Technical Data

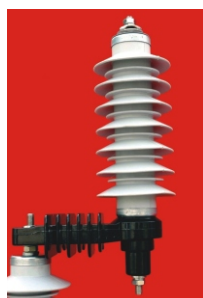
Rated Voltage	12kV	22kV
Rated Current	630A,800A,1250A,2000A	
Rated Insulation Level	28/75kV	28/75kV
Rated Short Time	26.3kA/3Sec	26.3kA/3Sec
Rated Making Current	66kA	66kA
Rated Breaking Current	26.3kA	26.3kA
Operating time	35-55 m.sec	
Total Break time	50-70 m.sec	
Arc Time	12-15 m.sec	
MakingTime	50-70 m.sec	
Operating Sequence	O-3min - CO- 3min - CO O-0.3sec - CO- 3min - CO	

## SE Surge arrester :

**Spark Engineering** offers Arresters from 3 kV to 36 kV which is used for both distribution and station class Application. We have Arresters in Porcelain housing and in Silicon Rubber technology. They are designed in such a way that protect electric equipment from overvoltage. They can withstand severe outdoor exposure and reliable in both overhead and underground installations.

### Features :

- ★ Very sensitive from harmful surges
- ★ Ease in Installation
- ★ High Energy absorption capability
- ★ Enhanced safety
- ★ Exceptional in Temporary overvoltage
- ★ Low Residual Voltages
- ★ Good cantilever and tensile strength



### Applicable Standards

IEC 60099-4
IEC 60099-5
IS 3070

## SE HRC Fuses | PT Fuses :

**Spark Engineering** offers HT HRC Fuses which are used for protection of Power distribution power equipments such as :

- ★ Transformer Protection
- ★ Capacitor Protection
- ★ Motor Protection
- ★ Cables , general circuits

### Features :

- ★ High Speed Operation
- ★ No maintenance
- ★ Do not deteriorate with age
- ★ Provides reliable discrimination
- ★ Very less arc voltage
- ★ Permit consistent performance

### Applicable Standards

IEC 60282-1

IEC 60787

IEC 60644

IEC 60420

BS 2692

IEC 69549



### Technical Data

#### Voltage bTransformer Protection Fuses:

Rated Voltage	3.3kV to 36 kV
Current Rating	0.5 to 6.3A

#### Capacitor Protection Fuses:

Rated Voltage	3.3kV to 12 kV
Current Rating	6A to 250A

#### Motor Protection Fuses:

Rated Voltage	3.3kV to 36 kV
Current Rating	0.5 to 6.3A

#### Transformer Protection Fuses:

Rated Voltage	3.3kV to 36 kV
Current Rating	6A to 200A

#### Expulsion Fuse Cutouts

Rated Voltage	11 kV to 36 kV
Current Rating	upto 200A

For More details please do contact us

**M/s. Spark Engineering**

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