



Load Break Switch Panel - PCESAIR



Construction :

The 11 kV/22 kV Load break switches are manufactured suitable for mounting in sheet steel enclosure. The PCESAIR type load break switch offers a simple and compact construction with epoxy insulators, double switch blades, forged contacts with arc quenching chamber, lagging pin and loop less current path. The Nylon/FRP insulation makes the switch light weight with greater electrical safety and mechanical strength. LBS Panel is available in free standing Indoor/Outdoor type and RMU type configurations.

The main frame is welded steel structure and the contacts are mounted on epoxy insulators. The upper fixed contact houses the arc quenching chamber and the connection terminal. The switch is also equipped with spring-assisted mechanism due to which constant speed is achieved during opening and closing operation. The switch is also provided with stored energy tripping device.

Special Features :

- Compact and reliable design.
- Rated SC making capacity up to 20 kA (RMS) 50 kA (PEAK) and make/break up to 630A.
- Tripping initiation by means of fuses.
- The dry type arc quenching chambers join two switch principle for safe disconnections of heavy and small current.
- Nylon/FRP insulation provides lighter weight, greater electrical safety and higher mechanical strength to the switch.
- Optional Mechanically interlocked earth switch.
- Suitable for Capacitor bank current switching.



Load Break Switch



Technical Data			Available Combinations
Parameter	Description 11 kV	Description 22 kV	
Designation	Indoor PCESAIR 1263025	Indoor PCESAIR 2463025	
Type of Break	Air Break	Air Break	Load Break Switch + HRC Fuse + Fuse Trip Mechanism
Rated Voltage	12 kV	24 kV	Load Break Switch + HRC Fuse + Fuse Trip Mechanism + Earth Switch
Rated Insulation Voltage	28 kV RMS / 75 kV PEAK	50 kV RMS / 125 kV PEAK	Load Break Switch + HRC Fuse + Fuse Trip Mechanism + Shunt Trip & Electrical Standard Indications
Rated Current	630 A	630 A	Load Break Switch + HRC Fuse + Fuse Trip Mechanism + Earth Switch + Shunt Trip & Electrical Standard Indications
Rated Frequency	50 Hz	50 Hz	
No. of Phase	3	3	
No. of Break / Pole	Single	Single	
Rated Short Circuit Withstand Current	25 kA	25 kA	
Rated Short Circuit Peak Withstand Current	63 KA	63 KA	
Rated Short Circuit Making Capacity	20 kA RMS / 50 kA PEAK	20 kA RMS / 50 kA PEAK	
Applicable Standard	IS-9920	IS-9920	

Technical specifications may change due to constant improvements.



Power Control Electro Systems Pvt.Ltd.

E-32, M.I.D.C., Kupwad, Sangli, Maharashtra, Pin - 416436.
 Ph.: ++91 233 2645630, 2645640. Fax : ++91 233 2645640
 Email : sales@pcesystems.in
 Web.: www.pcesystems.in