

# AIR CIRCUIT BREAKER DEMONSTRATOR

EM-80-01-01D

EDU-LABS



## Specification:

- 630A TPN Air Circuit Breaker
- Frame Current: 600A
- 50KA Short circuit interrupt capacity
- No of Pole: 3
- 230V Shunt Trip Coil and Stand
- Draw out mounting

Warranty: 1 year against manufacturing defect.

**Typical Scope of work: Field inspection & light maintenance are able to perform by optional circuit breaker testing equipments.**

## Preliminary Operations

- Ensure the breaker is de-energized, extracted from the fixed part, and the charging spring is discharged
- Download the breaker's trip unit/key plug report
- Remove and visually inspect the covers, accessories, trip unit, trip coil, and arch chambers and suppressors.

### **Power Section Cleaning and Checks**

- Visually inspect for traces of wear, overheating, cracks on the external plastic structure, and foreign objects in the power section
- Clean off dirt, dust, traces of condensation and oxidation
- Check arch gap as necessary
- Check for tightness of structure screws and other hardware

### **Cleaning, greasing, and lubrication**

- Remove dirt, dust, old grease & lubrication on supports of the drive shaft, opening & closing shafts, hooks, and springs
- Apply a new coat of grease and lubrication

### **Testing & Programming and final check**

- Verify and adjust protection release settings as necessary
- Perform simulated injection testing using hardware and software and verify opening and closing operations
- Test the circuit breaker accessories (if applicable)
- Re-assemble circuit breaker and protection release and download final report

**Note: Due to products continuous development process, layout and specification may change without prior notices.**