

# Intelligent Air Circuit Breaker DW45 Series

The DW45 series intelligent air circuit breaker is designed for AC power distribution networks with rated voltage AC400V/AC690V. It distributes electric energy and protects circuits and electrical equipment from overload, undervoltage, short circuit, and single-phase grounding faults.



## ADDITIONAL IMAGES



## Overview

### Intelligent Air Circuit Breaker (DW45 Series)

The DW45 series intelligent air circuit breaker is designed for robust power distribution and protection in AC 50/60Hz networks. It provides comprehensive defense against overloads, undervoltage, short circuits, and single-phase grounding faults. Featuring advanced intelligent control units, this breaker ensures precise monitoring and reliable performance in demanding industrial and commercial applications.

## Electrical Specifications

### Breaking Capacity Performance

Parameter	400V (kA)	690V (kA)
Icu (Ultimate)	100	65
Ics (Running)	65	50
Icw (1s)	65	50

Rated Operational Voltage: AC 400V / 415V / 690V

Rated Current Range: 630A - 6300A

Rated Insulation Voltage (Ui): 1000 V

Rated Impulse Withstand Voltage (Uimp): 12 kV

Operating Frequency: 50 Hz

## Design & Features

### Supported Protocols

Modbus • Profibus-DP • Device Net

### Available Types

Fixed Type, Withdrawable Type

### Pole Configurations

3P, 4P

### Compliance Standards

IEC 60947-2

## Installation & Service

### Installation Category

- Circuit Breaker: IV
- Auxiliary Circuit: III

### Pollution Degree

3

### Connection & Incoming

Horizontal, Vertical, Up-feed, Down-feed