

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