

Molded Case Circuit Breaker 63-800A

Molded case circuit breakers are available in current ratings from 63A to 800A. They are designed for electrical protection in power distribution systems.



ADDITIONAL IMAGES



Overview

DZ20Y Series MCCB Overview

The DZ20Y series molded case circuit breaker is engineered for reliable electrical protection in circuits with a frequency of AC 50 Hz. Designed for distribution networks operating at 380V and below, this device provides essential overload, short-circuit, and under-voltage protection for power equipment. Specific models are also suitable for motor protection, supporting the starting and operation of squirrel-cage motors.

Key Metrics

Rated Current

225 A

Rated Current

Breaking Capacity

25 kA

Ultimate Short-Circuit (Icu)

19 kA

Service Short-Circuit (Ics)

Technical Specifications

Product parameters

DB20 series molded case circuit breaker applies to the 3-pole and 4-pole frequency of AC 50/60 Hz, the rated operational voltage 380V and the rated current range of 100A-6300A, mainly for the protection of electric power circuits in industrial and commercial power distribution systems.

Technical specifications

Item	Symbol	Rated Current (I _n)			Rated Voltage (U _n)	Rated Short-Circuit Breaking Capacity (I _{cs})	Rated Short-Circuit Making Capacity (I _{cm})	Rated Short-Circuit Withstand Current (I _{sc})
		100A	225A	630A				
1	Rated Operational Voltage (U _n)	380V	380V	380V	380V	100kA	100kA	100kA
2	Rated Current (I _n)	100	225	630	380V	100kA	100kA	100kA
3	Rated Short-Circuit Breaking Capacity (I _{cs})	100kA	100kA	100kA	380V	100kA	100kA	100kA
4	Rated Short-Circuit Making Capacity (I _{cm})	100kA	100kA	100kA	380V	100kA	100kA	100kA
5	Rated Short-Circuit Withstand Current (I _{sc})	100kA	100kA	100kA	380V	100kA	100kA	100kA
6	Rated Trip Time (t _{tr})	100kA	100kA	100kA	380V	100kA	100kA	100kA
7	Rated Trip Time (t _{tr})	100kA	100kA	100kA	380V	100kA	100kA	100kA
8	Rated Trip Time (t _{tr})	100kA	100kA	100kA	380V	100kA	100kA	100kA
9	Rated Trip Time (t _{tr})	100kA	100kA	100kA	380V	100kA	100kA	100kA
10	Rated Trip Time (t _{tr})	100kA	100kA	100kA	380V	100kA	100kA	100kA
11	Rated Trip Time (t _{tr})	100kA	100kA	100kA	380V	100kA	100kA	100kA
12	Rated Trip Time (t _{tr})	100kA	100kA	100kA	380V	100kA	100kA	100kA
13	Rated Trip Time (t _{tr})	100kA	100kA	100kA	380V	100kA	100kA	100kA
14	Rated Trip Time (t _{tr})	100kA	100kA	100kA	380V	100kA	100kA	100kA
15	Rated Trip Time (t _{tr})	100kA	100kA	100kA	380V	100kA	100kA	100kA
16	Rated Trip Time (t _{tr})	100kA	100kA	100kA	380V	100kA	100kA	100kA
17	Rated Trip Time (t _{tr})	100kA	100kA	100kA	380V	100kA	100kA	100kA
18	Rated Trip Time (t _{tr})	100kA	100kA	100kA	380V	100kA	100kA	100kA
19	Rated Trip Time (t _{tr})	100kA	100kA	100kA	380V	100kA	100kA	100kA
20	Rated Trip Time (t _{tr})	100kA	100kA	100kA	380V	100kA	100kA	100kA

Technical specifications table showing current ratings and dimensions for the DZ20Y series.

Electrical Ratings

Parameter	Value
Rated Operational Voltage	380V
Rated Insulation Voltage	660V
Rated Frequency	50Hz
Impulse Withstand Voltage	6kV

Model Range

- 100
- 225
- 400
- 630

Compliance & Environment

Standards Compliance	GB14048.2, IEC 60947-2
Reference Temperature	40 °C

Accessories & Features

Available Accessories

Under-voltage release • Shunt release • Auxiliary contact • Alarm contact • Rotary handle