

VOB6-63DC



Overview

The VOB6-63DC series miniature DC circuit breaker (up to 63A rated current and up to 10kA optional breaking capacity) features a DC polarity-free design, supporting 1P to 4P configurations with a maximum working voltage of DC1200V. Compliant with GB/T and IEC standards, it integrates a contact position indicator window and an innovative layered structure to deliver safe and convenient overload and short-circuit protection for DC systems.

Technical Data

Compliant with Standards	GB/T 14048.2, IEC 60947-2
Number of Poles	1P, 2P, 3P, 4P
Rated Current (In)	1, 2, 3, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63A
Rated Voltage (Ue)	DC 300V (1P), DC 600V (2P), DC 900V (3P), DC 1200V (4P)
Rated Frame Current	63A
Rated Insulation Voltage (Ui)	1200V
Rated Impulse Withstand Voltage (Uimp)	6kV
Ultimate Short-circuit Breaking Capacity (Icu)	10kA (4.5kA / 6kA optional)
Operating Short-circuit Breaking Capacity (Ics)	7.5kA
Usage Category	A
Tripping Curve (Instantaneous)	B (4In-7In), C (8In±20%), D (12In±20%)
Overload Tripping (1.05In)	Agreed non-tripping time 1h (Cold state)
Overload Tripping (1.30In)	Agreed tripping time 1h (Hot state)
Mechanical Life	20,000 cycles
Electrical Lifespan	≥ 1,500 cycles
Protection Grade	IP20
Reference Temperature	30°C
Unipolar Width (per pole)	18mm
Wiring Capacity	16 mm ²
Connection Method	Both upper and lower incoming lines are acceptable (DC polarity free)

Overall and Installation Dimension

