Technical Parameters

CDB6HTC-63 Standard Miniature Circuit Breaker



CDB6HTC-63 standard miniature circuit breaker

CDB6HTC-63 standard miniature circuit breaker has the following functions

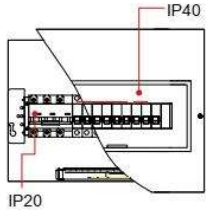
- Short circuit protection
- Overload protection
- Isolation function

Main features	
Rated operating voltage (V)	1P:230/400, 240/415VAC, DC 80V 2P: AC 400/415V, DC125V 3P-4P: AC 400/415V
Rated current (A)	1-63
Rated frequency (Hz)	50/60
Number of poles	1P, 2P, 3P, 4P
Breaking capacity (kA)	6
Standard	GB/T 14048.2, IEC60947-2
Certification	CCC CE RoHS

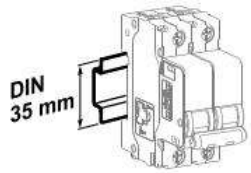
Electrical characteristics		
Rated insulation voltage Ui	(V)	500
Max. operating voltage Uemax 1P,	(V)	240/415 AC, 80DC
2P, 3P, 4P	(V)	415 AC, 125VDC
Rated short circuit capacity Icn	(kA)	6, 10
Rated impulse withstand voltage (1.2/50)	Uimp (kV)	6
Dielectric test voltage		2kV (50/60HZ, 1 minute)
Use category		A
Isolation function		Yes
Pollution level		3
Trip form		Thermal magnetic trip
Trip curve	Ii(B) type curve 4In(AC), 5In(DC)	■
	Ii(C) type curve 8In(AC), 10In(DC)	■
	Ii(D) type curve 12ln(AC), 15In(DC)|	■
Electrical and mechanical accessories		Yes

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Mechanical characteristics	
Handle	Gray
Mechanical life (times)	30000
Electrical life (times)	15000
Protection grade	Installed in distribution box: IP40 Directly installed: IP20
Resistance to mechanical shock	30g, 3 impacts, duration time 11ms (place free from severe vibration and impact)
Vibration resitance (IEC/EN 60068-2-6)	Place free from severe vibration and impact
Resistance to humidity and heat (IEC 60068-2)	Class 2, 28 cycles
Humidity and heat (℃/RH)	When the temperaure is 55℃, the relative humidity is 90%~96%; When the temperaure is255℃, the relative humidity is 99%~100%;
Reference ambinet temp.	40℃
Ambinet temp. (daily mean temp. ≤+35℃)	-35℃~ 70℃
Storage temp.	-40℃~ +85℃



Installed on the 35mm standard rail

Installation characteristics	
Terminal block type	U shaped terminal block
Max. wiring capacity (A)	25mm^2
Max. ultimate torque (A)	2.5 N.m
Tools	Phillips screwdriver or slotted screwdriver
Installation	Installed on the standard DIN rail (35mm)
Inlet method	Top inlet and bottom inlet

Model Catalog and Dimensions Drawings

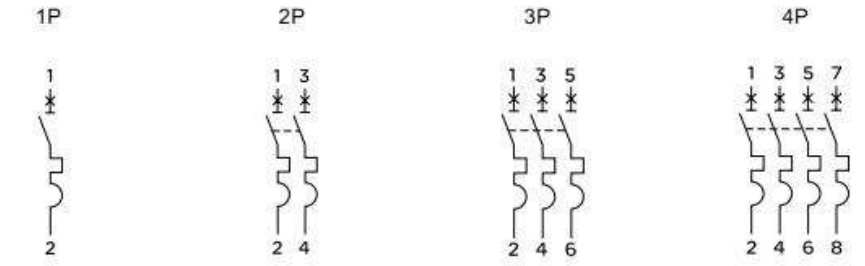
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Model Catalog

Product model	Number of poles	Trip type	Rated current
CDB6HTC-63	1	C	6
	1：1P 2：2P 3：3P 4：4P	B: B type C: C type D: D type	1：1A 2：2A 3：3A 4：4A 5：5A 6：6A 8：8A 10：10A 13：13A 16：16A 20：20A 25：25A 32：32A 40：40A 50：50A 63：63A

Wiring Diagram



Outline and Installation Dimensions

