

Product Overview

Main functions

Overvoltage protection, undervoltage protection, automatic reset

Applied standards

JB/T 12762-2015



Product Selection

Product name	Number of poles	Rated current	
CDB6iGQF/GQR	6		
CDB6iGQF: Top inlet	Default: 1P+N	20: 20A	50: 50A
CDB6iGQF: Bottom inlet	6: 3P+N	25: 25A	63: 63A
		32: 32A	80: 80A
		40: 40A	100: 100A

Notes: Model example: CDB6iGQF40: CDB6iGQF top inlet 1P+N 40A

Technical Parameters

Electrical characteristics

Rated operating voltage U_e	1P+N: AC230V
	3P+N: AC400V
Rated current I_n	1P+N: 20/25/32/40/50/63/80A
	3P+N: 20/25/32/40/50/63/80/100A
Voltage frequency	50Hz
Overvoltage operation set value (L-N)	AC275±5V
Overvoltage trip time (L-N)	3~15s(275V), 1~3s(300V), 0.25~0.75s(350V), 0.1~0.2s(400V)

Overvoltage recovery value (L-N)	≤253V
Undervoltage operation set value (L-N)	AC160±5V
Undervoltage trip time	0.6~1.5s
Undervoltage recovery value (L-N)	≥195V
Automatic recover delay	25±5s
Rated limit short-circuit current capacity	6kA
Impulse withstand voltage U_{imp}	4kV
Single-phase maximum protection voltage	450V

Mechanical characteristics

Electrical durability	Times	10000
Ambient operating temperature	-5°C~+40°C	
Storage temperature	-20°C~+60°C	
Altitude	Not exceed 2000m	

Resistance to damp and heat	When the temperature is 40°C, the relative humidity of the air does not exceed 50%; At 20°C, the relative humidity of the air is 90%	
Installation environment	In places without significant vibration and shock	
Pollution level	2	

■ Installation characteristics

Wiring capacity	1P+N: 25mm ² and below	Installation method	Mounted on the DIN standard rail
	3P+N: 35mm ² and below	Wiring method	Top inlet and bottom outlet (for CDB6iGQF) Bottom inlet and top outlet (CDB6iGQR)
Max. ultimate torque	1P+N: 2.5Nm	Protection grade	Protection grade Body: IP20
	3P+N: 3.5Nm		Installed in a distribution box: IP40

Outline and Installation Dimensions

