

DNM8-400 MCCB



Product Description

DNM8-400 series PV dedicated DC molded case circuit breakers are applicable to DC power grid circuits with rated voltage up to DC1500V and rated current 630A. DC circuit breakers have overload long delay protection and short-circuit instantaneous protection functions, which are used to distribute power and protect lines and power supply equipment from overload, short-circuit and other faults.

The operating mechanism of the DC MCCB has the functions of block speed closing and fast breaking, the structure is compact, size is small and convenient to use.

DNM8-400 MCCB

Technical Parameter

Product Model	SM8-250HPV /2 1000V	SM8-250HPV /3 1500V	SM8-630HPV /4 1500V
Product Name	PV DC MCCB	PV DC MCCB	PV DC MCCB
Rated insulation voltage (Ui)	1500V	1500V	1500V
Rated operating voltage (Ue)	DC1000V	DC1250V DC1500V	DC1000V DC1250V DC1500V
Rated impulse voltage (Uimp)	12kV	12kV	12kV
Number of poles	2	3	4
Release type	Thermomagnetic type (thermomagnetic non adjustable)TMD Fixed		
According to standard	GB 14048.2,IEC/EN 60947-2		
Usage category	A		
Frame current (LN)	250A		630A
Rated working current (LN)	100/125/160/200/225/250A		
Rated limit short-circuit breaking capacity (ICU)	Ue 1000v 20kA	Ue 1500V 15kA Ue1250V 20kA	Ue 1250V/1500V 15kA Ue1000V 20kA
Operating breaking capacity (ICS)	75%ICU	Ue 1500V 15kA Ue1250V 20kA	Ue 1250V/1500V 15kA e1000V 20kA
Protection function	Long delay protection (IR)	1In	
	Instantaneous protection Li	6In(Min 1000A)	
life	Mechanics	10000second	5000second
	Electrical	1000second	500second
Overall dimension (W,H, D)	900×200×86mm	135×200×86mm	Model H 310×240×155 Model G 350×240×155
Installation method:	Fixed	Fixed	Fixed
Protection grade	Wiring port: IP20 / all sides: IP40		
relative humidity	+50°C Down no more than95%		
Whether there are wiring polarity requirements	NO		
class of pollution	Grade 3		
working temperature	-40°C ~+75°C		
Operation instructions	ON/OFF		
Whether the release is adjustable	No		
Electrical accessories	Optional: separation / auxiliary / alarm (Note: only one set can be installed ,on the left and right sides of auxiliary, alarm and separation) ,2p on the left only		
Disconnecter function	YES		

Shape and mounting dimensions

