

Functions and features Technical parameters

DZ47SCB Special Protection Device For Surge Protector



Main feature

- High surge resistance: 10/350us waveform up to 15kA, 8/20us up to 120kA;
- High short-circuit breaking capacity: 65kA, 100kA
- Unique low short-circuit current protection: While having high surge resistance, it can also cut off low short-circuit current above 3A In a very short time, far lower than the instantaneous value of conventional MCB (5-7 times In).
- Lower residual voltage: Compared to conventional MCBS, the residual voltage is lower when the surge current passes through, resulting in a lower level of effective voltage protection at both ends of the SPD branch.
- Compact size: SCB single mode with 15kA impulse current is only 18mm.
- The shell is V0 flame retardant, safer to use

DZ47SCB Special Protection Device For Surge Protector

Technical parameter

Electrical characteristic

Meet the standard	NB/T 42150 "Special Protection Device for Low Voltage Surge Protector"					
Rated working voltage Uo	AC 230V/400V					
Number of poles	1P,2P,3P,4P					
Compatible with SPD experiment category	Class I (T1)	Class II (T2)				
Model number	DZ47SCB-15	DZ47SCB-20	DZ47SCB-40	DZ47SCB-65	DZ47SCB-80	DZ47SCB-120
Waveform (us)	10/350us	8/20us				
Maximum impulse current Iimp	15kA					
Maximum discharge current Imax		20kA	40kA	65kA	80kA	120kA
Rated short-circuit capacity Icn	65kA, 100kA	65kA, 100kA	65kA, 100kA	65kA, 100kA	65kA, 100kA	65kA, 100kA
Minimum delay action current Id	3A	3A	3A	3A	3A	3A

Other parameters

Wiring capacity	2.5~25mm ²
Ultimate torque	2.5 N.m
Working status indication	Handle indicates ON- switch, OFF switch
IP protection level	IP20
Operating ambient temperature	-25 °C ~ +60 °C
Storage ambient temperature	-40
Recommended ground	

Functions and Features

Type selection and material number

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Special protection device for surge protector

Product series	Experimental class	Impulse current limp Maximum discharge current I _{max}	Breaking capacity	Number of poles
DZ47SCB	1	40	100	4P
	1: Class I (10/350us) 2: Class II (8/20us)	Impulse current limp (10/350us) 15: 15kA Max discharge current I _{max} (8/20us) 20: 20kA 40: 40kA 65: 65kA 80: 80kA 120: 120kA	100: 100kA 65: 65kA	1: 1P 2: 2P 3: 3P 4: 4P

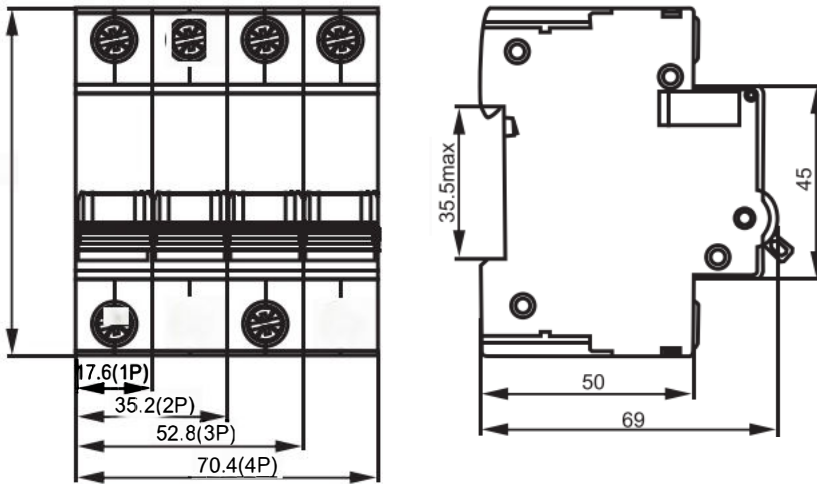
Material number rules: such as DZ47SCB experimental class I, impact current 15kA, breaking capacity 100kA, pole number 4P;
 The corresponding material number is DZ47SCB1151004

Functions and Features

Outline dimensional drawing

Outline dimensional drawing(mm)

DZ47SCB-15/20/40/65/80



DZ47SCB-120

