

RDSP6

Surge Protection Device

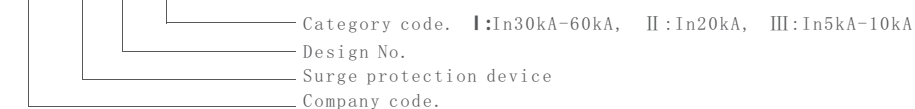


Application

RDSP6 series surge protection device, is mainly applied to the TN-C, TN-S, TT, IT power system of AC50Hz or 60Hz, nominal discharge current 5kA~60kA, Maximum discharge current 10kA~100kA, Rated operational voltage 220V or380 to protect the power grid from thunder shock overload and surge overload voltage. It is Widely applied to residential, transportation, electric power, the third industry and the industrial field of surge protection requirements.

Model No.

RD SP 6 - □



Normal working condition and Installation environment

- 3.1 Frequency: AC power frequency from 48Hz to 62Hz.
- 3.2 Voltage: Continuous voltage on the terminal should not exceed the maximum continuous operational voltage
- 3.3 Altitude: should not exceed 2000m
- 3.4 Using and storage Temperature:
 - Normal range: -5°C ~ +40°C
 - Limit temperature: -40°C ~ +70°C
- 3.5 Humidity: relative humidity should from 30% to 90%. Under the indoor humidity
- 3.6 Installation location without obvious impact and vibration, and the angle between the product and vertical plane should not exceed 5°.

Main Technical Parameter

- 4.1 Surge main technical Parameter see Table1, Table2
- 4.2 Protective class: IP20
- 4.3 This product conforms to standard of IEC61643-1.
- 4.4 Testing type: II class Test.

RESIDUAL CURRENT CIRCUIT BREAKER

Table1

Model No.	Power grid operational voltage Ue(V)	Maximum continous operational voltage Uc(V)	Maximum discharge I _{max} (kA)	Nominal discharge current I _n (kA)	Protection module color	Fuse (A)	Wire diameter		Respond timet(ns)
							Phases,neutral line mm ²	ground line mm ²	
RDSP6-III	220 380	420	10	5	White	10-16	hard line 25-10	two color 25-10	<25
RDSP6-III			20	10					
RDSP6- II			40	20	Yellow	16-20	hard line 4-16	two color 4-16	
RDSP6- II			60	30					
RDSP6- I			80	40	Red	40-63	hard line 6-25	two color 6-25	
RDSP6- I			100	60					
RDSP6- I									

Table2

Production type	Power grid operational voltage Ue	Maximum continous operational voltage Uc	Voltage protection class Up(kV)				Ground system
			I _n =20/10/5kA		I _n =60/40/30kA		
1P	220V	420V	1.8		2.4	2.2	TN-C/IT
2P							TN/TN-S/IT
3P			TN-C/IT				
4P	380V	420V	2.0	1.8	2.4	2.2	TT/TN-S/IT
1P+N	220V	420V					TT/TN-S/IT
2P+N	380V	420V					
3P+N							

Overall and Installation Dimensions:

Overall and installation dimensions, see Fig 1.

