

RDX6SD-100 series Isolating Switch



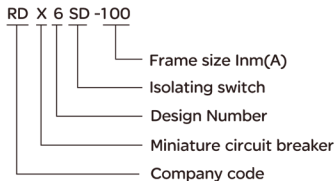
General

RDX6SD-100 series isolating switch is applicable to the circuit with an alternating current of 50HZ/60HZ, rated voltage to 400V, and rated current up to 100A for isolator or making and breaking function.

The product meets the standards of IEC60947.3.

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Type designation



Product category

3.1 Rated current In: 32A, 63A, 100A;

3.2 Number of poles: Single pole, Two poles, Three poles, Four poles.

Technical parameter

	Standard		IEC/EN 60947-3
Electrical features	Rated voltage Ue	V	230/400
	Rated current Ie	A	32, 63, 100
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage Uimp	V	4000
	Rated short-time withstand current Icw		12Ie, 1s
	Rated making and breaking capacity		3Ie, 1.05Ue, cos Φ =0.65
	Rated short circuit making capacity		20Ie, t=0.1s
	Insulation voltage Ui	V	500
	Pollution degree		2
	Use category		AC-22A
Mechanical features	Electrical life		1500
	Mechanical life		8500
	Protection degree		IP20
	Ambient temperature (with daily average $\leq 35^{\circ}\text{C}$)	$^{\circ}\text{C}$	-5...+40
	Storage temperature	$^{\circ}\text{C}$	-25...+70

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	Standard	IEC/EN 60947-3	
Electrical features	Terminal connection type	Cable/Pin-type busbar	
	Terminal size top/bottom for cable	mm ²	50
		AWG	18-1/0
	Terminal size top/bottom for busbar	mm ²	25
		AWG	18-3
	Tightening torque	N*m	2.5
In-lbs		22	
connection		From top and bottom	

Main specifications

4.1 Rated voltage: 230V/400V

4.2 Rated short-time withstand current: 12I_e, time 1s;

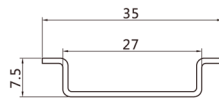
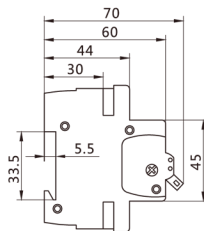
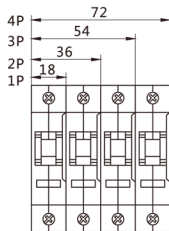
4.3 Rated short-time making capacity: 20I_e, time 0.1s;

4.4 Rated making and breaking capacity: 3I_e, 1.05U_e, cos φ=0.65

4.5 Rated limited short-circuit current: 4KA

4.6 Operating performance: No load 8500 times, on load 1500 times, 10000 in total. cos φ=0.8, Operation frequency is 120 times/hour.

Overall and mounting dimensions(mm)



DIN-Rail dimensioned drawing