

ISOLATING SWITCH

RDX6SD-100

Isolating Switch

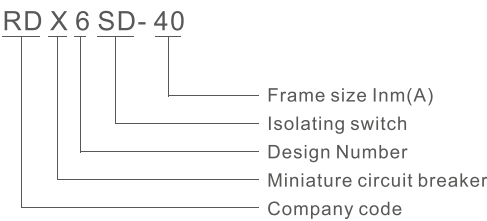


General

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.

Model No.



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, cosΦ=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≤35°C)	°C	-5...+40
	Storage temperature	°C	-25...+70

	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
	connection	ln-lbs	22
			From top and bottom

Main specifications

- 4.1 Rated short-time withstand current: 12I_n, electrifying time 1s;
- 4.2 Rated short-time making capacity: 20I_n, electrifying time 0.1s;
- 4.3 Rated making and breaking capacity: 1.05U_e, 3I_n, cos ϕ = 0.65
- 4.4 Rated limited short-circuit current: 20KA
- 4.5 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)

