

# 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.

RD X 6 SD- 40

Frame size Inm(A)  
Isolating switch  
Design Number  
Miniature circuit breaker  
Company code

#### 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 le	A	32, 63, 100
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage Uimp	V	4000
	Rated short-time withstand current Icw		12le, 1s
	Rated making and breaking capacity		3le, 1.05Ue, cosΦ=0.65
	Rated short circuit making capacity		20le, t=0.1s
	Insulation voltage Ui	V	500
	Pollution degree		2
Mechanical features	Use category		AC-22A
	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	mm2	50
		AWG	18-1/0
	Terminal size top/bottom for busbar	mm2	25
		AWG	18-3
Tightening torque		N*m	2.5
		In-lbs	22
connection			From top and bottom

## Main specifications

4.1 Rated short-time withstand current: 12In, electrifying time 1s;  
 4.2 Rated short-time making capacity: 20In, electrifying time 0.1s;  
 4.3 Rated making and breaking capacity: 1.05Ue, 3In,  $\cos \phi = 0.65$   
 4.4 Rated limited short-circuit current: 20KA  
 4.5 Operating performance: No load 8500 times, On load 1500 times, 10000 in total.  $\cos \phi = 0.8$ ,  
 Operation frequency is 120 times/hour.

## Overall and mounting dimensions(mm)

