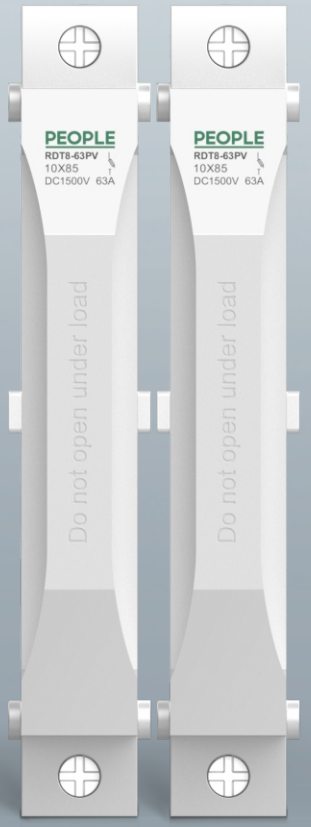
PEOPLE
ELECTRIC



RDT8-PV Series fuse

More practical

Threshold voltage, accurate control of suction release voltage. Wide voltage suction, three-speed suction circumference.Built-in anti-surge function to protect equipment from damage。

More professional

Products through3C certification, strong current limiting ability, even if the working condition is complex, can also break 20kA fault current。

More reliable

It can be used in DC 1000V and 1500V optical storage systems。

More secure

Material high heat resistance, excellent electrical properties, VO flame retardant grade, with excellent high and low temperature resistance, acid and salt resistance, melt selection of silver material, stable characteristics and low power consumption。

RDT8-PV series fuse

Product overview

Fuse structure: composed of isolator and Fuse link. The moving contact consists of a Fuse carrier with a Fuse link. Fuse link structure: Made of pure silver melt, high-quality quartz sand, high-strength fuse and cylindrical cap contacts. Usage: gPV- with a full range of DC breaking capability, used for photovoltaic power generation and energy storage system DC side overcurrent protection.
Compliant with standards: GB/T14048.3, GB/T13539.1, GB/T13539.6。

Selection guide

RDT8	32	PV	30
Product code	Specification	Only for PV	Rated current of the fuse link
Packed closed tube type fuse	32 63	Dedicated to solar photovoltaic system	32(10×38):2,3,4,5,6,8,10,12,15,20,25,30 63(10×85):2,3,4,5,6,8,10,12,15,20,25,30

Normal working conditions and installation conditions

☐The ambient temperature does not exceed 40 ℃, the average measured in 24h does not exceed 35 ℃, and the average measured in a year is lower than the lowest value of the ambient air temperature of -5 ℃. The air is clean and its relative humidity does not exceed 50% at a maximum temperature of 40 ℃. You can have higher relative humidity at lower temperatures. For example, at 20 ℃, the relative humidity can reach 90%. Due to the temperature change occurring on the product body condensation situation must be taken measures。

☐The fuse should be installed in a place where there is no significant shaking or shock vibration。

☐Pollution level: Level 3。

☐Installationcategory:ClassIII。

☐The card is mounted on the TH35-7.5 standard guide rail and installed vertically。

☐Current correction factor

Altitude	≤2000m	(2000～3000)m	≥3000m
Current correction factor	1	0.9	0.8

RDT8-PV series fuse

Main technical parameters

Isolator	RDT8-32PV	RDT8-63PV
Rated voltage	DC 1000V	DC 1500V
Rated current	32A	63A
Peak withstand current	20kA	
Class of protection	IP2X	
Category of use	DC-PV0	
Fuse link size	10×38	10×85
Rated current /A	2,3,4,5,6,8,10,12,15,20,25,30	2,3,4,5,6,8,10,12,15,20,25,30
Rated breaking capacity	20kA	
Minimum fusing current	1.45In A	

Outline dimension

RDT8-32PV

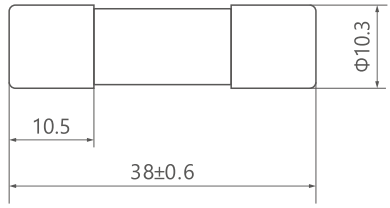


Figure 1 Fuse link

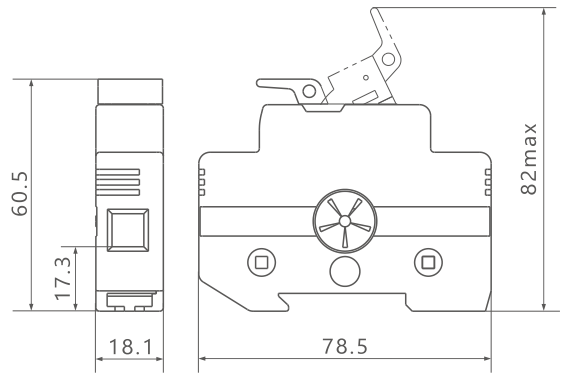


Figure 2 isolator

RDT8-63PV

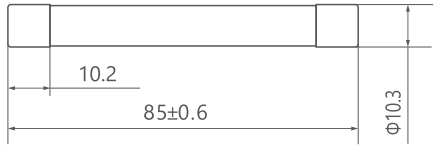


Figure 3 Fuse link

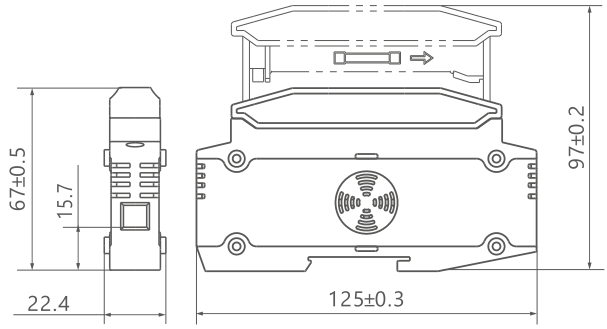


Figure 4 isolator

RDT8-PV series fuse

Protection characteristic curve

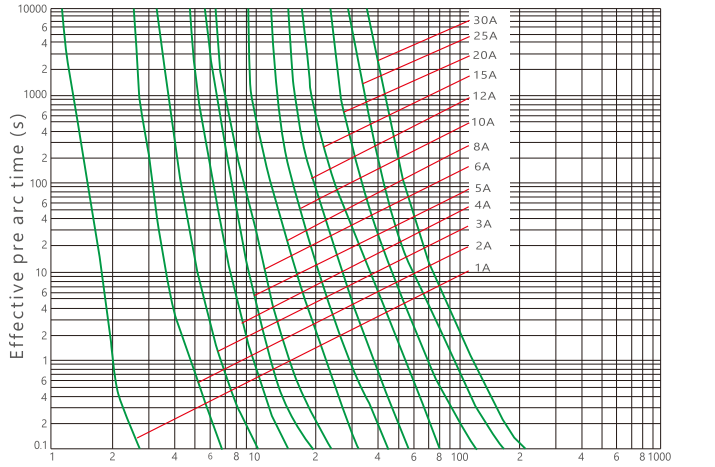


Figure 5：10×38 Fuse

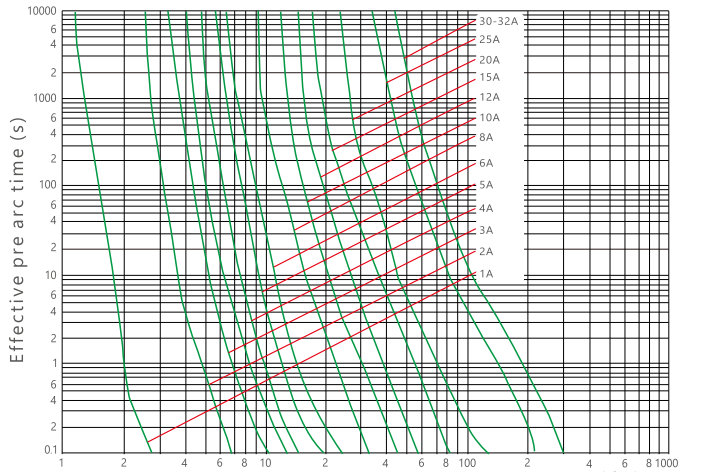


Figure 6：10×85 Fuse

Order instructions

Please indicate the name, model, rated current and quantity of fuse when purchasing。

☐Isolator and fuse breakers must be purchased separately。

☐When purchasing the fuse, please indicate the current of the fuse。

For example, Isolator RDT8-63PV 1000 pieces. Fuse RDT8-63PV/30A 1000 pieces。