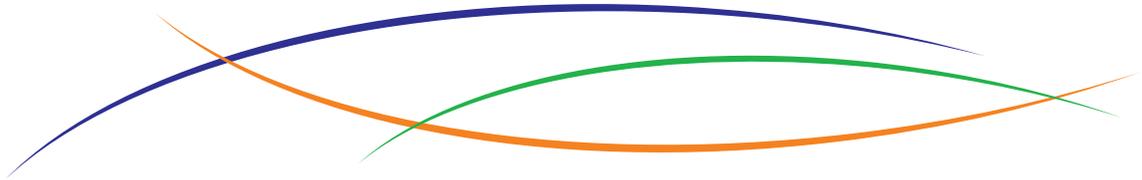




INSTRUCTION BOOK

SRD-50H

Fuse-disconnector

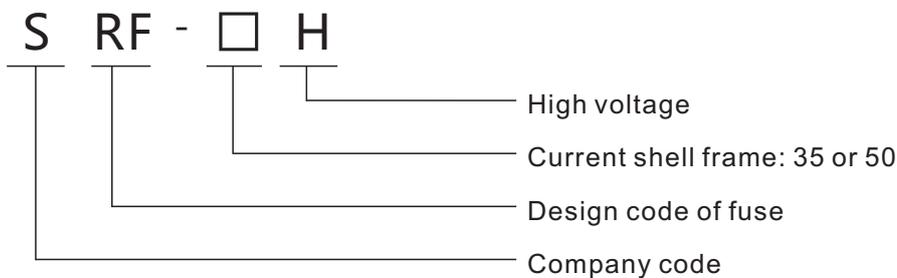
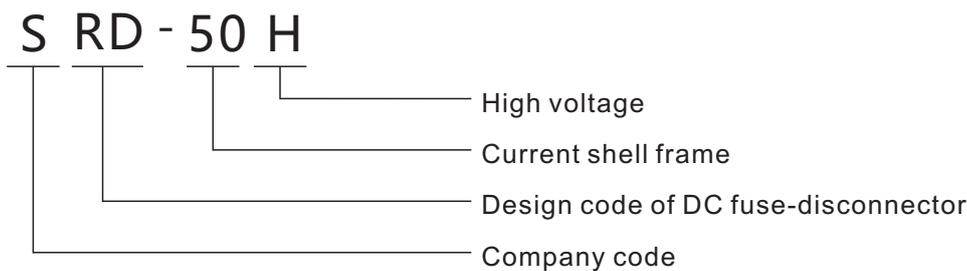


Suntree Electric Group Co., Ltd

1. Application

SRD-50H fuse-disconnector is suitable for short-circuit overload protection in power distribution circuit whose rated voltage does not exceed DC1500V, rated current does not exceed 50A, and rated short-circuit capacity does not exceed 20kA. Mainly used in energy storage system, solar photovoltaic collector box, as solar photovoltaic power generation devices, batteries and other semiconductor equipment short circuit and overload protection.

2. Model meaning



3. Environment condition

- a). Environment temperature shall not be higher than +40°C, and the average temperature within 24 hours shall not exceed 35°C;
- b). The altitude of the installation site is less than 2000m;
- c). The pollution degree is 3;
- d). The installation category of the main circuit is Class II and III;
- e). Install on standard guide rail, the standard guide rail should meet the requirements of TH35-7.5 in JB6525-1992;

f). The product should be installed vertically, and there should be no significant impact and vibration at the installation place.

4. Technical data

1). Basic data

Model	SRD-50H (Fuse-disconnector)	SRF-35H / SRF-50H (Fuse)
Standard	IEC/EN 60947-3	EN 60269-1;EN 60269-6
Rated insulation voltage(Ui)	DC1600V	/
Rated operational voltage(Ue)	DC1500V	DC1500V
Rated operational current(Ie)	1-50A	SRF-35:1-35A SRF-50:15-50A
Rated impulse withstand voltage(Uimp)	8kV	/
Rated accepted dissipation power	/	SRF-35H:≤6W; SRF-50H:≤12W
The number of poles	1P	/
Rated limited short-circuit current	50KA	20KA
Fuse link size	/	SRF-35H : 10mm×85mm SRF-50H : 14mm×85mm
Protection class	Ip20	Ip20
Utilization category	PV-0	PV-0

2). Fuse data

Fuse link type gpv	Rated operational voltage(V)	Rated operational current(A)	Overall dimension(mm)	
			Figure	see the attached diagram
35	DC1500V	1-35	1	
50	DC1500V	15-50	2	

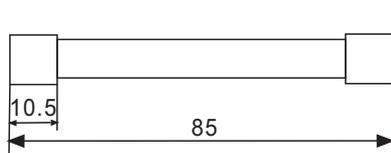


Figure 1

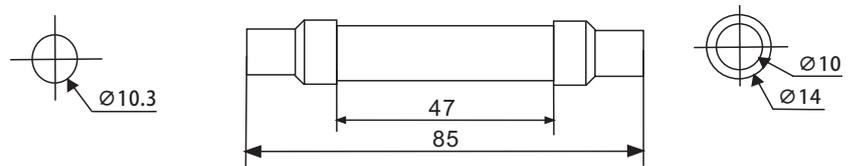
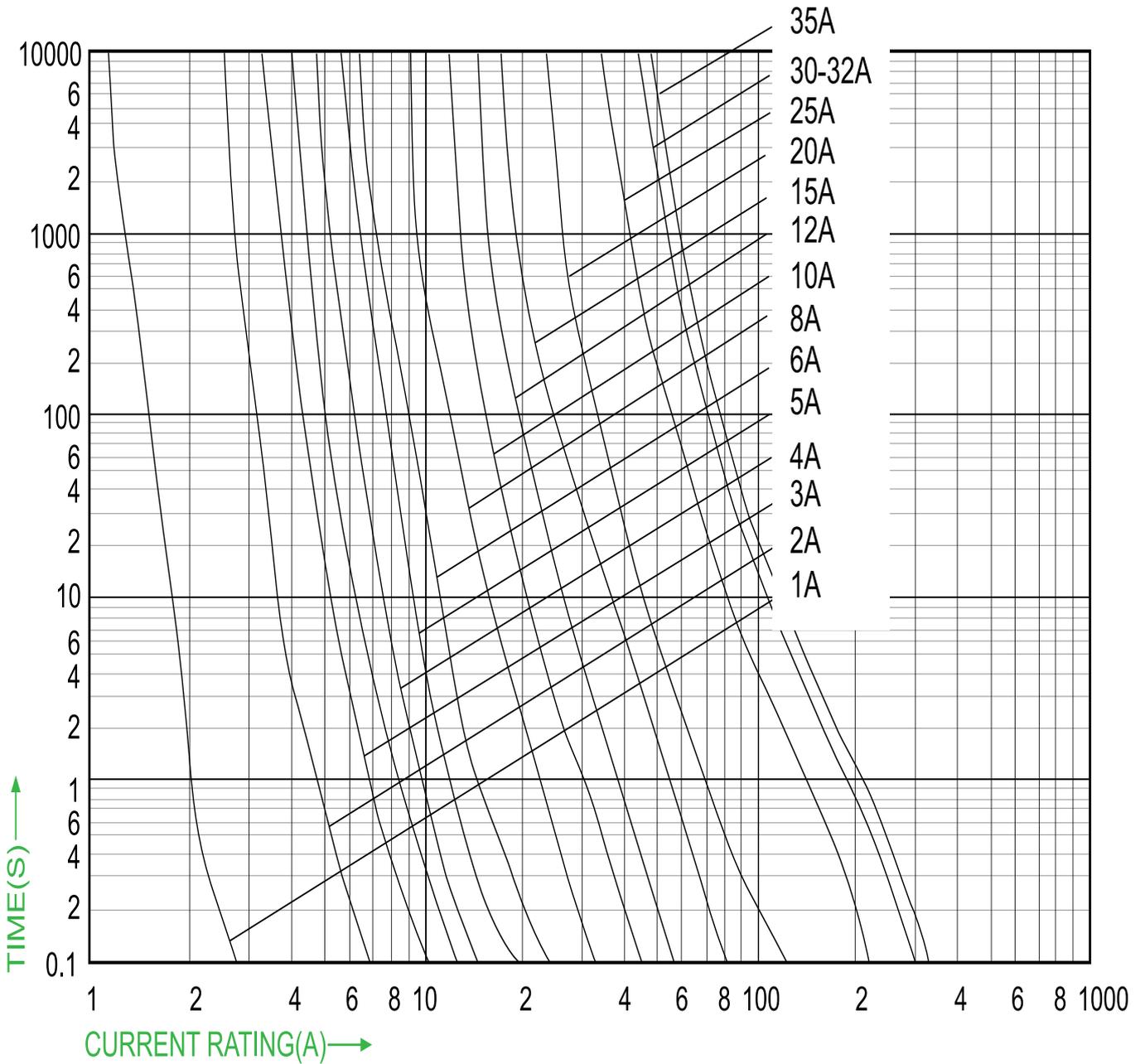


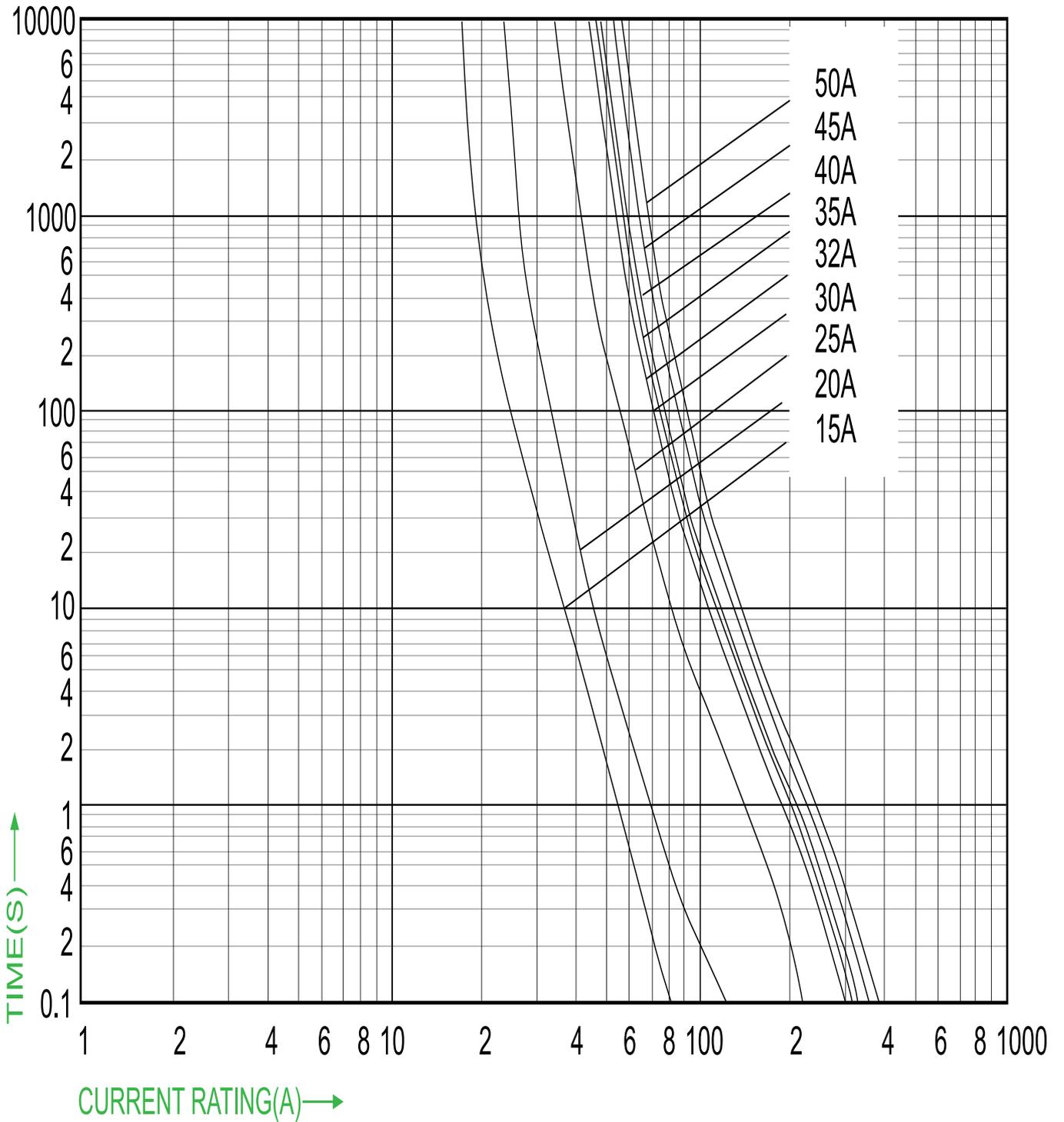
Figure 2

3). Characteristic curve

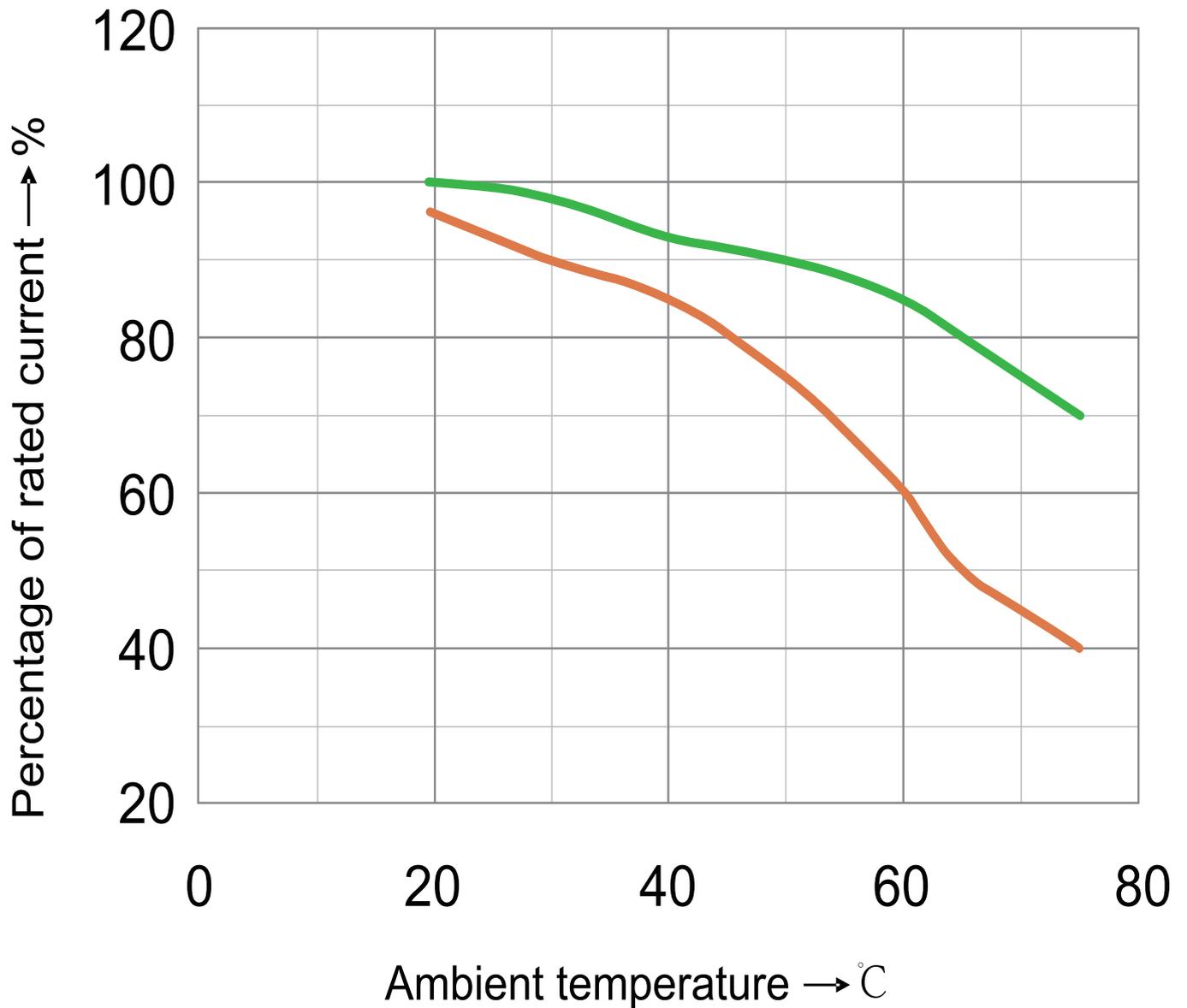
a). SRF-35H Fuse



b). SRF-50H Fuse



4). Derating curve



- Single-pole's derating coefficient
- Multi-pole's derating coefficient

6. Ordering information

When ordering, please specify:

Name: Fuse-disconnector;

Model: SRD-50H + SRF-35H (if no type of fuse, there is no fuse);

Specification: 25A;

And finally, please indicate the purchase quantity.

For example:

Fuse-disconnector, SRD-50H+SRF-35H, 25A, quantity:200.

For special specifications, please consult with us before ordering.

Contact us: 400-021-6828

7. Company Promise

If the product is damaged or cannot be used normally due to quality problems within 18 months from the date of production, the company shall be responsible for free repair or replacement. Of course it needs to be under the premise that the user complies with the use and storage conditions or the seal of the product is good. If the warranty period is exceeded, it shall be repaired with compensation. However, the damage caused by the following circumstances shall be repaired with compensation even within the warranty period.

1. Improper use, maintenance or storage;
2. Self-modification, improper maintenance;
3. After purchase due to fall and installation process damage;
4. Earthquake, fire, lightning strike, abnormal voltage, secondary disasters and other force majeure

suntree
human technology nature



Certificate of approval

Model: SRD-50H

Name: Fuse-disconnector

Standard: IEC/EN 60947-3

Manufacture date: See product or package

Quality inspector:

检XC002

The product is approved to leave the factory.

Suntree Electric Group Co., Ltd

**Please read the instructions carefully
before installing and using the product,
and keep them properly and reserve them.**



Suntree Electric Group Co., Ltd

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