

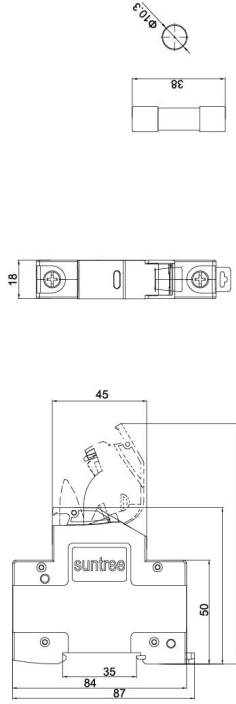
MODEL MEANING

S	RD	30
Enterprise code	Design Number	Frame Rated Current

FUNCTION AND SCOPE OF APPLICATION

This series of fused switch-disconnector is a fuse holder specifically designed for the photovoltaic industry. This series of products can incorporate fuses and is used for overcurrent protection in main circuits and equipment with a rated voltage not exceeding DC 1000V, a rated current not exceeding 30A, and a rated short-circuit capacity not exceeding 30kA. Mainly used in energy storage systems, solar photovoltaic combiner boxes, as short circuit and overload protection for solar photovoltaic power generation devices, batteries and other semiconductor equipment.

DIMENSIONS (MM)



DC Fuse

• SRD-30



Technical Parameters

Model	SRD-30 (Fused switch-disconnector)	SRF-30 (Fuse Core)
Normative references	IEC/EN60947-1 IEC/EN 6097-3	EN 60269-1 EN 60269-6
Rated insulation voltage (Ui)	1200V	/
Rated operational voltage (Ule)	DC1000V	DC1000V
Rated operating current (Ie)	1A-30A	6A, 8A, 10A, 12A, 15A, 16A, 20A, 25A, 30A, 32A
Impulse withstands voltage (Uimp)	6kV	/
Rated accepted dissipative power	≤4W	≤4W
Number of poles	1P	/
Rated limited short-circuit current	30kA	20kA
Matched fuse size	φ 10×38mm	φ 10×38mm
Protection class	IP20	/
Use category:	PV-0	PV-0
Installation Method	35mm DIN rail	/
Wiring capacity	1-10mm²	/
Wiring screw/Terminal block torque	M5 / 1.8-2.3N.m	/
Stripped wire length	13mm	/

NORMAL USE AND INSTALLATION CONDITIONS

- Operating temperature -5°C ~ +40°C
- Altitude: ≤ 2,000m
- Pollution degree: Level 3
- Installation category: Class II, Class III
- Installation method: Installed on the standard guide rail, the standard guide rail should meet the requirements of TH35-7.5 type in JB6525-1992;
- The product should generally be installed vertically, and there should be no significant shock and vibration at the installation place;

CONFORMS TO STANDARD

IEC/EN 60947-1 Low-voltage switchgear and control gear Part 1 General
IEC/EN 60947-3 Low-voltage switchgear and control gear Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units

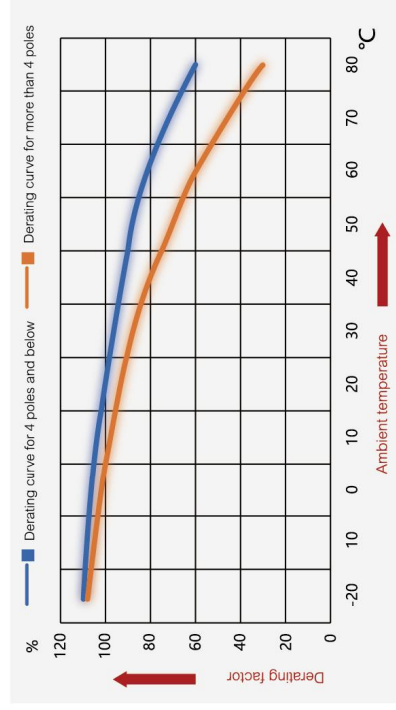
FEATURES

- With indicators, the switch status can be visually determined
- With short circuit and overload protection
- Pluggable, easy core replacement
- V0 flame-retardant case
- Photovoltaic-specific
- Current-carrying parts are made of copper
- DIN rail mounting

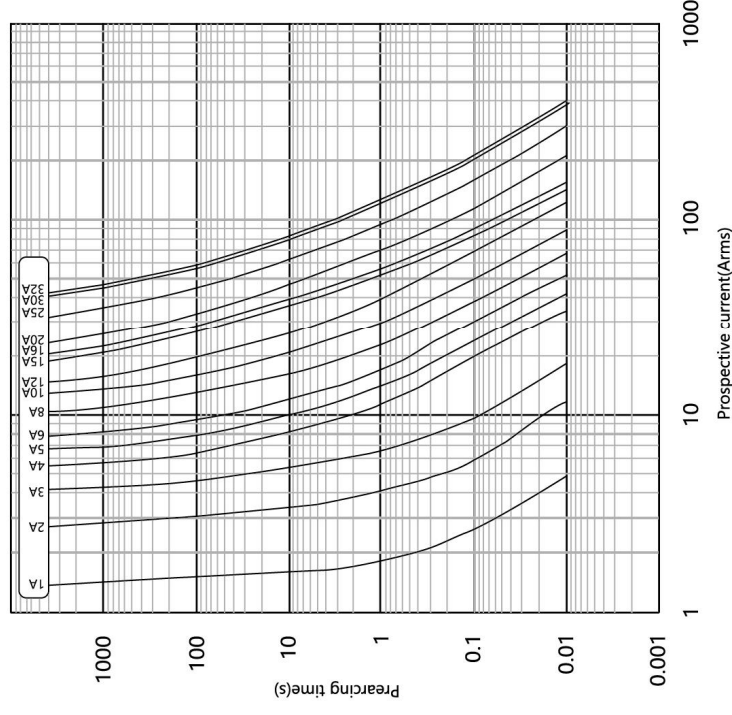
TRANSPORTATION AND STORAGE CONDITIONS

- Temperatures between -25°C and +55°C, up to +70°C for a short period of time (within 24h);
- The relative humidity of the air should not exceed 95% at a temperature of 25°C;
- During transportation, the product should be handled with care, not inverted, and protected from strong impacts as well as rain and snow.

DERATING CURVE



CHARACTERISTIC CURVE



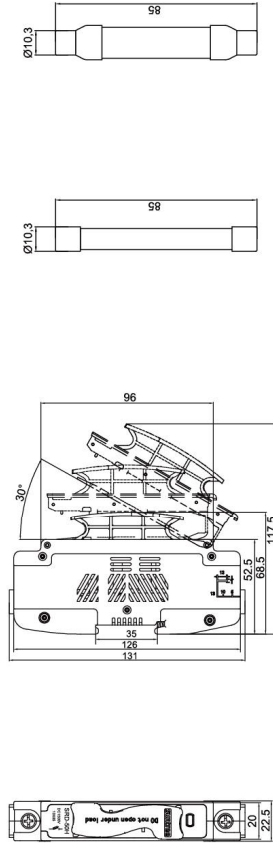
MODEL AND SIGNIFICANCE

S	RD	-	50	H
Company code	Design code of DC fuse-disconnector		Current shell frame	High voltage

GENERAL PARAMETERS

- Suitable for protection of electrical installations against [short-current] and Over current
- plug-in design
- Indication window and optional remote-signaling contact helps users to know the status of device
- The current-carrying parts are all made of copper, low temperature rise
- Unique shape and high recognition
- The whole machine can pass the salt spray test within 48 hours.

DIMENSIONS (mm)



PHOTOVOLTAIC FUSE SERIES

• SRD-50H



ELECTRICAL PARAMETERS

Product Model	SRD-50H
Pole	1P
Rated Operational Voltage/U _{se} (V)	1500VDC
Rated Operational Current/I _n (A)	2A, 3A, 4A, 5A, 8A, 10A, 12A, 15A, 16A, 20A, 25A, 30A, 32A, 40A, 50A
Ultimate Breaking Capacity/I _{cu} (kA)	20kA
Rated Breaking Capacity/I _{cs} (kA)	20kA
Max. Impulse Current/I _{imp} (A)	20kA
Fire-retardant Enclosure Level	V0
Device Width x Height (mm)	131*22*94.5
Method of Mounting	DIN RAIL
Mounting	Easy installed and fastening onto 35mm device rail(DIN)
Terminal Capacity	25mm ²
Fastening Torque of Terminals	3N
Location	Indoor or in the Water-proof Box
Ambient Temperature	-40℃ To 85℃
Altitude	≤2000m
Relative Humidity	90%
Pollution Level	2
Installation Class	II/III

INSTALLATION PRECAUTIONS

- In a medium without explosion risk and free of gases and dust(including conductive dust) sufficient to corrode metal and destroy insulation
- In the condition with no snow erosion
- It can be installed horizontally and vertically
- The magnetic field of the installation position shall not exceed 5 times the geomagnetic field in any direction;
- It should not be installed in flammable and explosive places
- There should be no significant impact and vibration at the installation place