

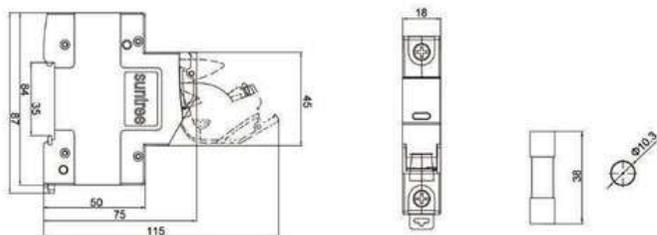
## MODEL MEANING



## 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

CE

11  
12



## Technical Parameters

Model	SRD-30 (Fused switch-disconnector)	SRF-30 (Fuse Link)
Normative references	IEC/EN60947-1 IEC/EN 60947-3	EN 60269-1 EN 60269-6
Rated insulation voltage (Ui)	1200v	/
Rated operational voltage (Ue)	DC1100V	DC1000V
Rated operating current (Ie)	1A-30A	6A, 8A, 10A, 12A, 15A, 16A, 20A, 25A, 30A
Impulse withstands voltage (Uimp)	8kV	/
Rated accepted dissipative power	<4W	≤4W
Number of poles	1P	/
Rated limited short-circuit current	30KA	20KA
Matched fuse size	$\phi 10 \times 38\text{mm}$	$\phi 10 \times 38\text{mm}$
Protection class	IP20	/
Use category:	PV-0	PV-0
Installation Method	35mm DIN rail	/
Wiring capacity	1-10mm <sup>2</sup>	/
Wiring screw/Terminal block torque	M5 / 1.8-2.3N.m	/
Stripped wire length	13mm	/

## NORMAL USE AND INSTALLATION CONDITIONS

- Operating temperature -40°C ~ +85°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/EN60947-3 Low-voltage switchgear and control gear Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units

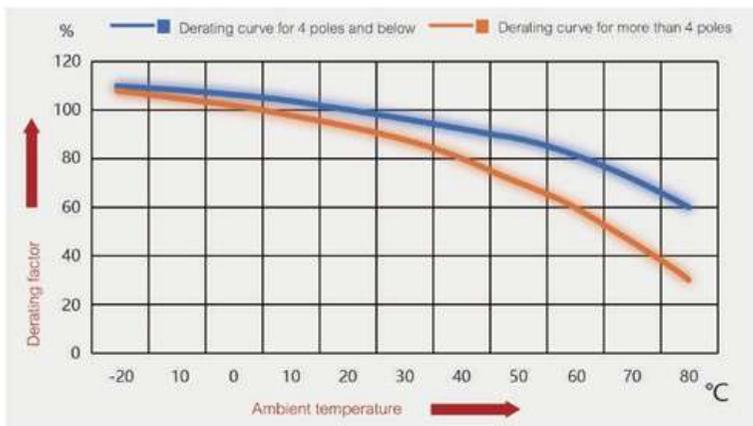
## FEATURES

- 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

