

# FDS-32

## Solar DC FUSE

A range of 10x38mm fuse links specifically designed for protecting photovoltaic strings. These fuse links are capable of interrupting low overcurrents associated with faulted photovoltaic string arrays (reverse current, multi-array fault).



## Structural Characteristics

- According to EN60269-1
- Rated current: 1-32A
- Rated voltage: DC 1000V

- Rated breaking capacity: DC 20KA
- Operating class gPV for Solar protection

## Connection and Installation

|                               |                                |
|-------------------------------|--------------------------------|
| Connection (mm <sup>2</sup> ) | 2.5-10                         |
| Working Temperature           | -30°C ~ +70°C                  |
| Resistance And Damp Hot       | Class 2                        |
| Altitude (m)                  | ≤ 2000                         |
| Relative Humidity             | 95%                            |
| Protection Class/Degree       | IP20                           |
| Pollution                     | 3                              |
| Installation Environment      | No obvious shock and vibration |
| Installation Class/Type       | Class III/DIN rail             |

## Size (mm)

| Size/Dimension(mm)     | W | 18    |
|------------------------|---|-------|
| WxHxL                  | H | 60    |
|                        | L | 78    |
| Fuse Size              |   | 10x38 |
| Fuse Link Weight(kg)   |   | 0.011 |
| Fuse holder weight(kg) |   | 0.07  |

## Structural Characteristics

- Photovoltaic system fuse accord with EN 60269-1:2007+A1+A2.
- Photovoltaic battery dc fuse designed to used for photovoltaic (PV) system.
- Main effect is to protect the solar panels. Solar panels points in effective condition is broken.
- Fault light cells break points at the same time, does not affect other normal work of light from the stack.
- Technical Data Rated voltage: DC1000V
- Breaking capacity: 20KA
- Function level: PV.

## Specifications

|                                     |                                    |
|-------------------------------------|------------------------------------|
| Model                               | FDS-32                             |
| Pole                                | 1P                                 |
| Rated Voltage Ue (V DC)             | 1000                               |
| Rated Current In (A)                | 1,2,3,4,5,6,8,10,12,15,20,25,30,32 |
| Biggest Block Ability (KA)          | 20                                 |
| The Most High Power Consumption (W) | 3.5                                |

## Dimensions

