

# One Pole Din Rail Surge Protector Device 40ka



## Description

One Pole Din Rail Surge Protector provides protection against surge current resulted from direct and indirect lightning strike or similar surge voltage. SPD is application to circuit with rated voltage upto 400V~, rated frequency 50/60Hz. The product using metal oxide varistor, designed to protect both phase and neutral line, is of high electricity resistance under normal operation. In case of surge current or voltage caused by lightning strike or similar, SPD functions quickly to conduct the surge voltage/current to earth and thus effectively prevent the downstream equipments of its protected line from destruction. SPD resume its high electricity resistance to secure normal operation of the protected power network without presence of surge voltage.

## Construction and Features:

- ☐ One unit type assure the stability of product
- ☐ On-off indicating window
- ☐ Quick Response

## Technical Features:

- ☐ Number of Pole: 1
- ☐ Frequency: 50/60Hz
- ☐ Connection Terminal: Pillar terminal with clamp
- ☐ Terminal Connection Height (H): 19mm
- ☐ On-Off Indicating Window:
  - Green: Normal Function
  - Red: Functionless, immediate replacement required
- ☐ Connection capacity: rigid conductor 25mm<sup>2</sup>



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| Category  |                            |
|---|----------------------------|
| Rated voltage Un                                    | 380                        |
| Max. Continuous Operating Voltage Uc(V)             | 460                        |
| Voltage Protection Level Up (Kv)                    | 2.3                        |
| Nominal Discharge current in Ka                     | 40                         |
| Rated Varistor Voltage (V)                          | 680 $\pm$ 10%              |
| Max Discharge Current I <sub>max</sub> (Ka)(8/20us) | 70                         |
| Response Time (Ms)                                  | <25                        |
| Power Withstand (J) (2ms)                           | 1580                       |
| Ambient Temperature                                 | -40 ~ +80                  |
| Function Unit Colour                                | Red                        |
| Min Terminal Connection (mm <sup>2</sup> )          | Phase neutral 2.5, earth 4 |



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