



SPB100R

### Surge Protection Device 1P T2 TNC Uc 320V In 40kA I<sub>max</sub> 100kA remote contact

#### Technical Features

##### Capacity

|                   |   |
|-------------------|---|
| Number of modules | 1 |
|-------------------|---|

##### Voltage

|                                                                             |             |
|-----------------------------------------------------------------------------|-------------|
| Rated operational voltage U <sub>e</sub>                                    | 240 - 415 V |
| Continuous operating voltage U <sub>c</sub> according to IEC 61643-1        | 320 V       |
| Voltage protection level U <sub>p</sub> according to IEC 61643-1            | 2 kV        |
| Voltage protection level U <sub>p</sub> L-PE/N-PE according to IEC 61643-11 | 1.70 kV     |
| Voltage level U <sub>p</sub> L-N/PEN IEC 61643-11                           | 2000 V      |

##### Electric current

|                                                                            |        |
|----------------------------------------------------------------------------|--------|
| Nominal discharge current I <sub>n</sub> 8 - 20 μs L-N(PEN)/N-PE IEC 61643 | 40 kA  |
| Max. overcurrent protection device, parallel connection (fuse)             | 250 A  |
| Max. discharge (I <sub>max</sub> ) L-N(PEN)/ N-PE                          | 100 kA |

##### Dimensions

|        |         |
|--------|---------|
| Height | 96.8 mm |
| Width  | 17.6 mm |
| Depth  | 77.5 mm |

##### Use conditions

|                       |             |
|-----------------------|-------------|
| Operating temperature | -40 - 80 °C |
|-----------------------|-------------|

##### Network configuration

|              |            |
|--------------|------------|
| Network type | TN-C<br>TT |
|--------------|------------|

##### Equipment

|                                |     |
|--------------------------------|-----|
| With remote signalling contact | Yes |
|--------------------------------|-----|

##### Connection

|                                                                        |                            |
|------------------------------------------------------------------------|----------------------------|
| Cross-section of input and output with screws, for flexible conductors | 1.5 - 25.0 mm <sup>2</sup> |
| Cross-section of input and output with screws, for massive conductors  | 1.5 - 35.0 mm <sup>2</sup> |
| Cross-section signal contact                                           | 0.14 - 1.5 mm <sup>2</sup> |

##### Standards

|                             |    |
|-----------------------------|----|
| Requirement class IEC 61643 | T2 |
|-----------------------------|----|

##### Frequency

|           |            |
|-----------|------------|
| Frequency | 50 - 60 Hz |
|-----------|------------|

##### Installation, mounting

|                           |          |
|---------------------------|----------|
| Nominal tightening torque | 3 - 3 Nm |
|---------------------------|----------|

##### Sustainability

|                 |     |
|-----------------|-----|
| Halogen free    | Yes |
| REACH-SVHC free | Yes |
| RoHS conform    | Yes |