



SPB165R

**Surge Protection Device 1P T2 TNC Uc 320V In 20kA I<sub>max</sub> 65kA remote contact**

**Technical properties**

**Configuration**

Number of modules	1
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**Main electrical features**

Rated operational voltage U <sub>e</sub>	240 / 415 V
Frequency	50/60 Hz
Nominal discharge current (I <sub>n</sub> ) 8/20μs, IEC 61643)L-N(PEN)/ N-PE	20 kA

**Voltage**

Maximum continuous operating voltage U <sub>c</sub>	320 V
Voltage protection level U <sub>p</sub> according to IEC61643-1	1.45 kV
Voltage protection level U <sub>p</sub> L-PE/N-PE according to IEC61643-11	1.7 kV
Voltage level U <sub>p</sub> L-N/PEN IEC61643-11	1.45 kV

**Electric current**

Calibration of the protection upstream	160 A
Max discharge (I <sub>max</sub> ) L-N(PEN)/ N-PE	65 kA

**Dimensions**

Depth of installed product	58.2 mm
Height of installed product	89.8 mm
Width of installed product	17.7 mm

**Electrical specifications**

Short-circuit breaking capacity (I <sub>sc</sub> cr)	25 kA
Signal contact Cross-sections	0.14 / 1.5 mm <sup>2</sup>
Signal contact Current carrying capacity AC/DC	3 / 1 A
Signal contact Voltage rating AC/DC	250 / 30 V

**Network configuration**

Network type	TN-C
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**Installation, mounting**

Tightening torque	3
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**Connection**

Connection cross-section of input and output with screws, for massive conductors	1.5 / 35 mm <sup>2</sup>
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Connection cross section of access and exit  
with screws, for flexible conductor

1.5 / 25 mm<sup>2</sup>

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**Standards**

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Test class IEC61643-11 / VDE0675-6-11

T2

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European directive WEEE

concerned

**Use conditions**

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Operating temperature

-40...80 °C