Surge protection for CAN BUS

Function

Surge protection for CAN BUS with two protection levels.

**Level 1** = ignition of a gas discharge path against earth conductor at 500 V and rapid reduction of the voltage to 75 V.

**Level 2** = limitation of the residual energy with filters and ultra-fast 18 V Transzorb diodes.
Connection

CAN bus network

Connecting cable to PE earth conductor

CAN bus device

Wiring diagram

CAN bus network

CAN-L

CAN-H

+12 V

GND

CAN bus device

+12 V

GND

PE
Dimensions in mm

Technical data

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<tbody>
<tr>
<td>IP rating</td>
<td>IP 40</td>
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<tr>
<td>Terminal area</td>
<td>Max. 1.5 mm²</td>
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<tr>
<td>Max. ambient temperature</td>
<td>45 °C</td>
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Top-hat rail installation (support rail TS35 to standard EN 50022)

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