Bourns Introduces Dual Channel TBU® High-Speed Protector

Model TBU-RS

Riverside, California – April 29, 2020 – Bourns is pleased to announce the release of the Model TBU-RS085-300-WH, for use in RS-485 communication interface protection.

The Bourns® Model TBU-RS085-300-WH is an integrated dual channel Transient Blocking Unit overcurrent and TVS overvoltage protector for the RS-485 communications interface. When coupled with a primary overvoltage protector like the Bourns® GDT Model 2030-42T-SM-RPLF or TISP® Thyristor Surge Protector Model TISP4350J3BJR-S, the integrated solution aids compliance to IEC 61000-4-2 (ESD), IEC 61000-4-4 (EFT) and IEC 61000-4-5 (Surge) standards.

Apart from a reduction in the number of components used, there is also a savings of 52 % in board space when compared to a discrete solution.

<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>Description</th>
<th>Max. Impulse Voltage</th>
<th>Max. RMS Voltage</th>
<th>Trigger Current Levels</th>
<th>Trigger Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBU-RS085-300-WH</td>
<td>8 x 5.5 mm</td>
<td>Dual Bidirectional</td>
<td>850 V</td>
<td>425 V</td>
<td>300 mA</td>
<td>1 µs</td>
</tr>
</tbody>
</table>

The product data sheet with detailed specifications can be viewed on the Bourns website at www.bourns.com. Please visit bourns.com/products/circuit-protection/tbu-high-speed-protectors-hsps for more information on TBU® High-Speed Protectors.

Should you have any questions or need additional information, please contact Bourns Customer Service/Inside Sales.

Features
- Dual channel protector for RS-485 interfaces
- Aids compliance to IEC 61000-4-2 (ESD), IEC 61000-4-4 (EFT) and IEC 61000-4-5 (Surge) standards
- Fast protection response time (1 µs)
- RoHS compliant*

Applications
- RS-485 interface surge protection
- AISG (Antenna Interface Standards Group) modem protection