Bourns Adds New Dual Channel TBU® High-Speed Protectors


Riverside, California – October 3, 2019 – Bourns is pleased to announce the release of the Model TBU-DF055-100-WH, TBU-DF055-200-WH, TBU-DF085-100-WH and TBU-DF085-200-WH bidirectional, dual channel, High-Speed Protectors (HSPs) for use in data line protection.

The Bourns® Model TBU-DF Series precise and fast switching TBU® protectors are constructed using MOSFET semiconductor technology. These TBU® HSPs are designed to protect against faults caused by short circuits, overvoltage transients and faults in battery cells, up to rated limits.

The TBU® High-Speed Protector, placed in the system circuit, will monitor the current with the MOSFET detection circuit, triggering precisely and quickly within 1 µs to provide an effective barrier behind which sensitive electronics will not be exposed to large currents during transient events.

<table>
<thead>
<tr>
<th>Model</th>
<th>Peak impulse voltage withstand (V_{imp})</th>
<th>Protection current (I_{trigger})</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBU-DF055-100-WH</td>
<td>550 V</td>
<td>100 mA</td>
</tr>
<tr>
<td>TBU-DF055-200-WH</td>
<td>550 V</td>
<td>200 mA</td>
</tr>
<tr>
<td>TBU-DF085-100-WH</td>
<td>850 V</td>
<td>100 mA</td>
</tr>
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<td>TBU-DF085-200-WH</td>
<td>850 V</td>
<td>200 mA</td>
</tr>
</tbody>
</table>

**Features**
- Superior circuit protection
- Overcurrent protection
- Blocks surges up to rated voltage limit
- High-speed performance
- Small SMT package
- RoHS compliant*

**Applications**
- RS-485 interfaces
- Exposed sense and data lines
- Factory automation
- Protection modules and dongles
- Process control equipment
- Test and measurement equipment
- General electronics

The product data sheet with detailed specifications can be viewed on the Bourns website at [bourns.com](http://bourns.com).


Should you have any questions or need additional information, please contact [Customer Service/Inside Sales](mailto:CustomerService@bourns.com).