



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.

Model	Size	Description	Max. Impulse Voltage	Max. RMS Voltage	Trigger Current Levels	Trigger Time
TBU-RS085-300-WH	8 x 5.5 mm	Dual Bidirectional	850 V	425 V	300 mA	1 µs

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

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.