



# PRODUCT EXTENSION RELEASE

## TBU® HIGH-SPEED PROTECTORS



## Bourns Announces Expansion of TBU-RS Dual Channel TBU® High-Speed Protector Series

### Model TBU-RS055-300-WH

Riverside, California – June 24, 2020 – Bourns is pleased to announce the expansion of its TBU-RS High-Speed Protector series for use in RS-485 communication interfaces. The new model includes a 550 V maximum impulse voltage and 250 V maximum RMS voltage.

The Bourns® [Model TBU-RS055-300-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-RS055-300-WH | 8 x 5.5 mm | Dual Bidirectional | 550 V                | 250 V            | 300 mA                 | 1 µs         |

The product data sheet with detailed specifications can be viewed on the Bourns website at [www.bourns.com](http://www.bourns.com). Please visit [www.bourns.com/products/circuit-protection/tbu-high-speed-protectors-hsps](http://www.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.