

# PRODUCT EXTENSION RELEASE

## TBU® HIGH-SPEED PROTECTORS



## Bourns Adds New Dual Channel TBU® High-Speed Protectors

### *Model TBU-DF055-100-WH, TBU-DF055-200-WH, TBU-DF085-100-WH and TBU-DF085-200-WH Series*

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  $\mu$ s to provide an effective barrier behind which sensitive electronics will not be exposed to large currents during transient events.

Model	Peak impulse voltage withstand ( $V_{imp}$ )	Protection current ( $I_{trigger}$ )
TBU-DF055-100-WH	550 V	100 mA
TBU-DF055-200-WH	550 V	200 mA
TBU-DF085-100-WH	850 V	100 mA
TBU-DF085-200-WH	850 V	200 mA

#### 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

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



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