

# PORTNOTE®

## **T1/E1 Protection**

### GR-1089-CORE Inter-building

#### **Solution Products**



TBU-DT085-200-WH



TISP4015L1BJR-S



2020-42T-C2FLI



**Design Kit** 



PN-DESIGNKIT-40

#### **Objective**

T1/E1 ports are data communication ports used to communicate over long cable distances. This solution provides protection against surge and power contact threats.

#### **Solution**

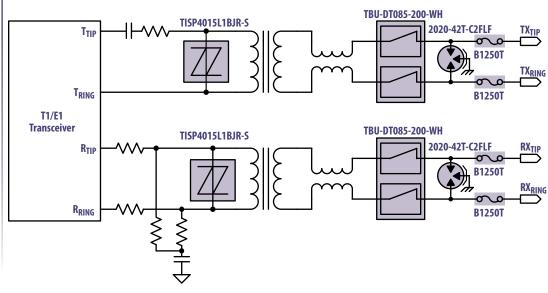
- 2 TBU\* High-Speed Protectors: TBU-DT085-200-WH
- 2 Thyristor Surge Protectors: TISP4015L1BJR-S
- 2 GDTs: 2020-42T-C2FLF
- 4 Fuses: B1250T

#### **Compliance**

GR-1089-CORE, Section 4, Port Types 1, 3, 5

#### **Benefit**

This solution provides protection without impairing the signal.



The schematic above illustrates the application protection and does not constitute the complete circuit design. Customers should verify actual device performance in their specific applications.

**BOURNS**®

**Americas:** *Tel* +1-951 781-5500

Fax +1-951 781-5700

**Asia-Pacific:** *Tel* +886-2 256 241 17 *Fax* +886-2 256 241 16

recommendations for typical port threats.

Bourns\* PortNote\* solutions provide protection

For more information, go to:

www.bourns.com

or email: protection@bourns.com

**Europe:** *Tel* +41-(0)41 768 55 55 *Fax* +41-(0)41 768 55 10

COPYRIGHT© 2011 - BOURNS, INC. •  $10/11 \cdot e$ /CPK1131 • "PortNote" is a registered service mark of Bourns, Inc. "Bourns" and "TBU" are registered trademarks of Bourns, Inc. in the U.S. and other countries.