**T1/E1 Protection**

**GR-1089-CORE Inter-building**

Bourns® PortNote® solutions provide protection recommendations for typical port threats.

**Solution Products**

<table>
<thead>
<tr>
<th>Product</th>
<th>Image</th>
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<tbody>
<tr>
<td>TBU-DT085-200-WH</td>
<td><img src="image" alt="TBU-DT085-200-WH" /></td>
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<tr>
<td>TISP4015L1BJR-S</td>
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<tr>
<td>2020-42T-C2FLF</td>
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<tr>
<td>SF-3812TM125T-2</td>
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**Objective**

T1/E1 ports are data communication ports used to communicate over twisted copper pairs. This solution provides protection against surge and power contact threats.

**Compliance**

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

**Benefit**

This solution provides protection without impairing the signal.

**Solution**

- 2 TBU® High-Speed Protectors: TBU-DT085-200-WH
- 2 Thyristor Surge Protectors: TISP4015L1BJR-S
- 2 GDTs: 2020-42T-C2FLF
- 4 SinglFuse™ Telefuse™: SF-3812TM125T-2

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.

To order samples, click on the “Request Sample” button online.

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