

## SYSTEM FEATURES



- Provides surge protection against harmful transient voltages that are induced onto data lines and damage network.
- Compact footprint and universal mounting bracket allows installation flexibility.
- Use POE option for power over the Ethernet applications.
- Can be used on 1Gb systems

## PRODUCT SPECIFICATIONS

### GENERAL SPECIFICATIONS

**Applications:** Data systems

**Design:** Solid State fail-safe design

**Warranty:** 3-Year Unlimited Free Replacement

**Testing:** Tested to and meets UL497B

### ELECTRICAL SPECIFICATIONS

#### Strength:

TK-CT2-CAT6: 6000 Watts per unit

TK-CT2-CAT6-POE: 6000 Watts per unit

**Wires Protected:** All wires.

**Response Time:** < 1 nanosecond

**Number of Protected Pairs (Wires):** 4 Pair (8 wire)

### MECHANICAL SPECIFICATIONS

**Dimensions DIN2 Case:** 3.94"L x 1.40"W x 2.28"H

**Dimensions CAT6 dongle/cord:** 1.30"L x 1.30"W x 0.75"H

**Enclosure Type:** High-impact, non-metallic UL 94-5V flame resistant rated

**Connection Method:** DIN2 Case: RJ45 In/Out (RJ45 female connections on both sides), Dongle: female input with corded male output

**Mounting Method:** DIN2 units come standard with a case that allows the units to be screw or Din-Rail mounted. CAT6 dongle units hang in line with the CAT6 cable.

**Operating Temperature:** -40° C to 85° C (-40° F to 185° F)

### SPECIFICATIONS

Model Number	Description	Maximum Operating Voltage	Maximum Data Rate
TK-CT2-CAT6-DIN2-DONGLE	4 Pairs (8 Wires) RJ45 IN/Out Standard CAT5e to CAT6	7.5V	1000 Mbps
TK-CT2-CAT6-POE-DIN2-DONGLE	4 Pairs (8 Wires) RJ45 IN/Out Power Over Ethernet	56V	1000 Mbps
TK-CT2-CAT6-DONGLE	4 Pairs (8 Wires) RJ45 IN/Out Standard CAT6	7.5V	1 Gbps
TK-CT2-CAT6-POE-DONGLE	4 Pairs (8 Wires) RJ45 IN/Out Power Over Ethernet	56V	1 Gbps
TK-CT2-CAT6-DIN2	4 Pairs (8 Wires) RJ45 IN/Out Standard CAT6	7.5V	1 Gbps
TK-CT2-CAT6-POE-DIN2	4 Pairs (8 Wires) RJ45 IN/Out Power Over Ethernet	56V	1 Gbps

### DESCRIPTION

The Total Protections Solutions management team has pioneered the development of power conditioning and protection products for high end electronics for over 30 years. Total Protection Solutions is your one stop shop for all your residential and commercial surge suppression and power filtering needs. The TPS CAT6 offers the highest quality data line protection available. Strategically protect data pathways that are connected to network. Installing the CAT6 will reduce damage caused by surges that enter on these pathways and destroy routers, hubs and network devices.

**OPTION: Suffix-"C" for conformal coating for DIN2 enclosure and Dongle SPDs for high moisture environments.**

**OPTION: CAT6-POE-DONGLE suffix "-GTGW" for floating soft ground pigtail.**

### Enclosure Dimensions with Dongle

**CAT6:** 1.30"L x 1.30"W x 0.75"H

