

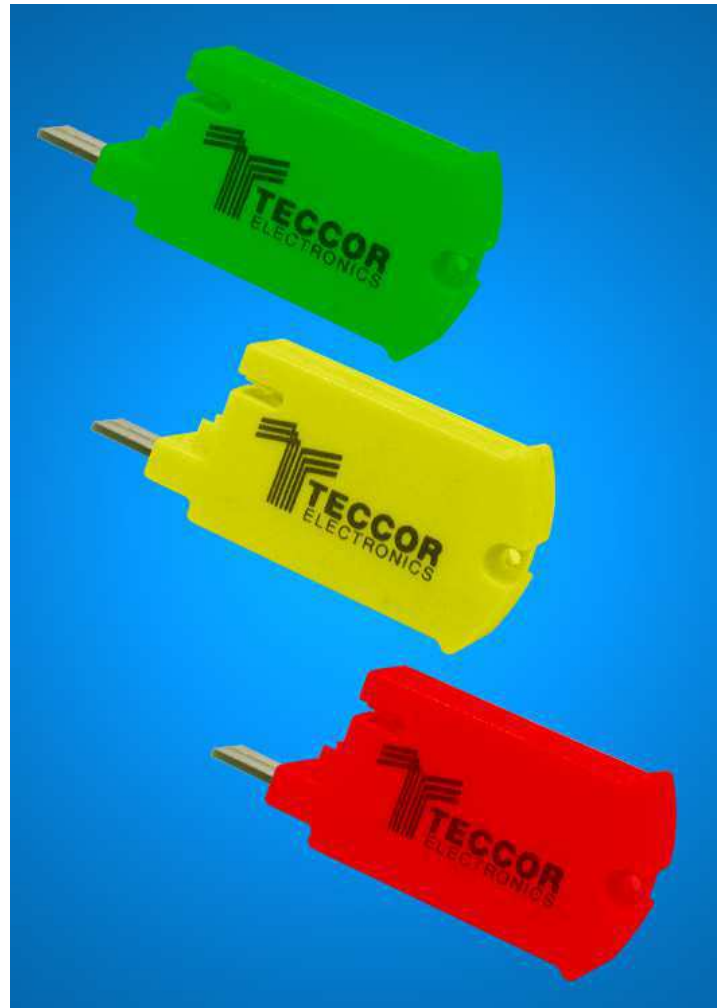
Telecommunications Network Line Protection

Lightning fast . . . again and again and again . . . guaranteed

Teccor's TK Series modules use semiconductor technology for self-resetting protection against overvoltage and overcurrent (sneak current) transients caused by lightning, electrostatic discharge, and AC power faults. Until needed, TK Series modules are transparent to the telephone network, allowing efficient operation at maximum speed and bandwidth, with no signal degradation.

TK Series plug-in modules fit existing Krone LSA-Plus™ frames and can be used in applications at telephone exchanges, remote locations, building entrances, and customer premises. Breakdown voltages are available from 75V to 350V and overcurrent (sneak current) ratings from 150mA to 350mA. An integrated, fast acting, unbalanced, fail-safe mechanism ensures controlled operation for added personnel safety and superior equipment protection. Modules are assembled by Teccor, using Teccor-manufactured silicon devices, thereby ensuring the most cost-effective solution.

Teccor Electronics is a global supplier and the largest US manufacturer of solid state (crowbar-type) transient voltage suppressors.



- *Enhances reliability and survivability of the network*
- *Reduces network faults*
- *Reduces service calls*
- *6 year warranty (contact factory for details)*
- *Meets industry standards and requirements*
- *Broadband (high speed data) compatible*
- *Available in three- and five-point configurations*

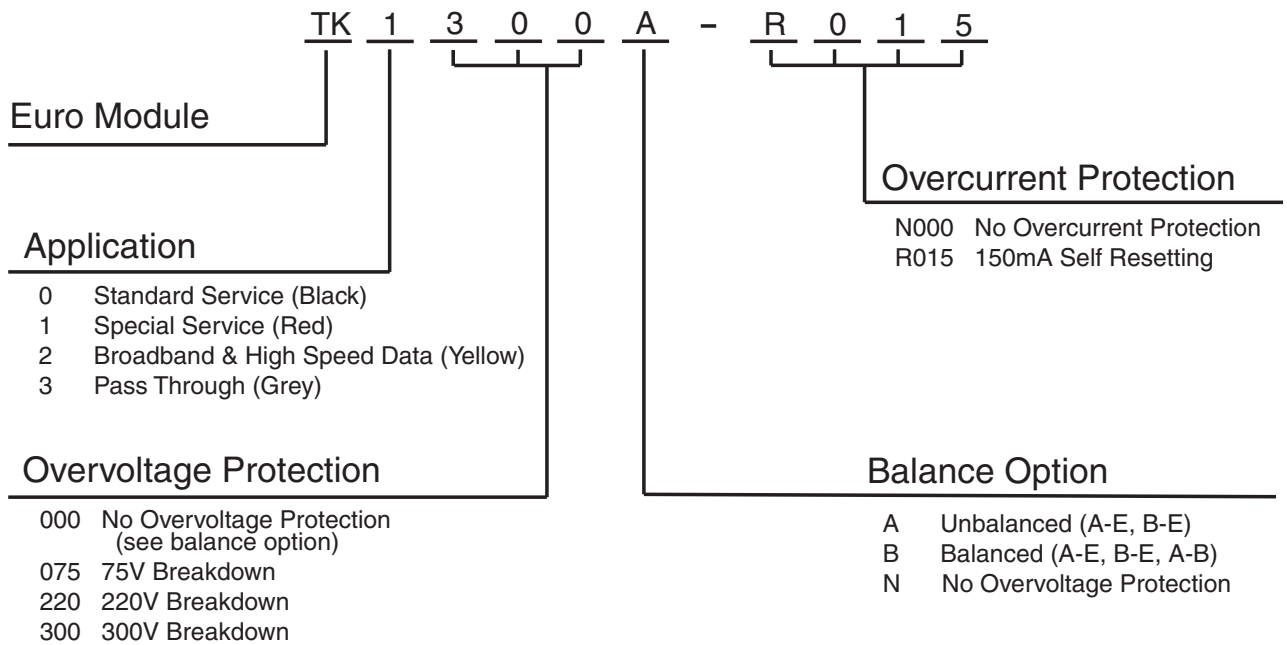
Overvoltage Protection Performance @ 25°C

Response Time: < 1ns
 Stand-by Voltage: Available from 75 to 350 volts
 DC Breakdown Voltage: Available from 75 to 350 volts
 Impulse Breakdown: Available from 75 to 350 volts
 Rated Impulse Discharge Life: Unlimited @ 100A (10 x 700µs)
 DC Holdover: Clears within 20ms
 Capacitance: <30pF @ 50V, 1VAC, 1MHz
 Safety and Equipment Protection: Fast acting unbalanced fail safe protection responds to AC power cross conditions (A and B to Earth)

Overcurrent Protection Performance @ 25°C

Activation Time: < 210 seconds with >350mA of current
 Restoration Time: < 90 seconds when the fault current is removed
 Line Resistance: 10 ohms ± 20%, maximum
 Imbalance: < 0.5 ohms
 Storage Temperature: -40 to 85°C
 Operating Temperature: -40 to 65°C

Ordering Information



NOTE: One Earthing bar (p.n. T0038500) is required per each connector strip.

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