Introducing
High Voltage Pre-Charge Relays Mini K HV

TE Connectivity (TE) has been making and supporting relays around the world for almost 80 years selling approximately 1 billion each year to the automotive, aerospace, defense, marine and industrial markets. TE is leveraging its experience in the automotive and high-voltage industries to advance hybrid and electric mobility with safe, reliable, efficient solutions for hybrid, electric fuel cell vehicle batteries.

TE high voltage pre-charge relays are a cost-effective, safe, light-weight and reliable solution for pre-charging the DC high voltage power system in hybrid, full battery electric vehicles and fuel-cell vehicles.

High voltage pre-charge relays, Mini K HV, operates safely with two arc extinguishing magnets. Its small package and PCB mount or plug-in terminals make it an easy choice for voltage levels up to 450VDC and pre-charge currents and limiting break currents up to 20 Amps.

TE connectivity

High Voltage Pre-Charge Relay Mini K HV

Mini K HV KEY FEATURES

- Safe - magnetic arc suppression
- Prevents contact welds
- Form X (NO DM) contact arrangement
- Suitable for voltage levels up to 450 VDC
- Pre-charge currents up to 20A
- Limiting break currents up to 20A
- Small package size - low profile
- Light weight
- Available with PCB mount and plug-in terminals
- Base product, Mini K relay, has been in the market for approx. 20 years

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APPLICATIONS

- DC high voltage pre-charge in hybrid, battery electric and fuel cell vehicles

MECHANICAL

- Available in a PCB mount or plug-in configuration
- Mechanical endurance: > 10^7 ops

ELECTRICAL

- Contact arrangement: 1 form X (NO DM)
- Rated voltage: 450VDC
- Switching current – normal operation: 20A on / 0A off: min 10^5 ops.
- Switching current – fault break operation: 20A on / 20A off: min 10
- Nominal coil voltage: 12V

STANDARDS AND SPECIFICATIONS

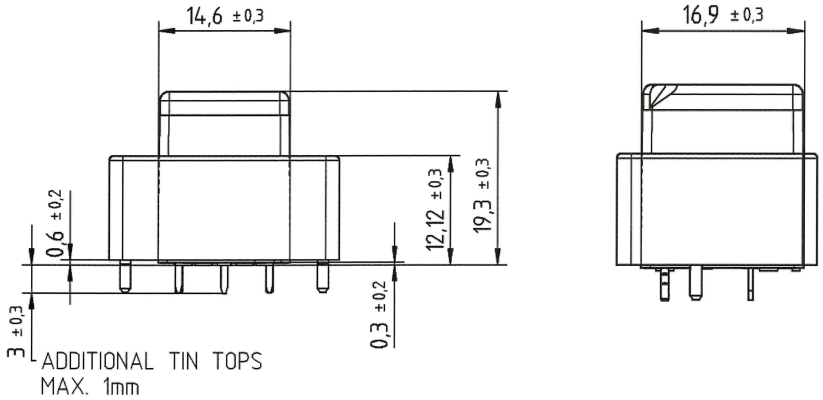
- RoHS
- UL94-HB
- IEC 60068

AVAILABLE DATE

- Q4 2012

PRODUCT DIMENSIONS

- PCB version



- Plug-in version