



EV Charger Temperature Sensors

Driven by the increased production of Electric Vehicles and Plug-in Hybrids (PHEV), the EV charger station market, particularly for Level 3 fast and super charging units will be expanding rapidly. This will support growing infrastructure for everyday individuals, with additional volume driven by rental fleets, public transportation and delivery vehicles.

To increase efficiency, many xEV applications are moving to increasing levels of DC voltage, with HVOR applications as high as 1.2kV DC. This creates challenges for measuring critical temperatures of DC switching circuits and connections. Amphenol is introducing a novel use of our ZTP infrared thermopile to meet IEC 60664 requirements with high accuracy and fast response for non-contact temperature measurement of switching FETS, busbars and connections.

Multiple areas of charging station will require temperature sensing providing opportunity for Infra-red sensors for non-contact (Type ZTP) and embedded NTC products (JS or JRI) where surface measurement is applicable.



AAS Product Types:

- Product prefix: ZTP
 - Non-contact IR
 - Analog & Digital
 - Hermetically-sealed TO package
- Radial leaded NTC
- Ring Terminal
- Surface mounting
- Customizable finished product
- Reliable monitoring

Amphenol
Advanced Sensors

www.amphenol-sensors.com

© 2022 Amphenol Corporation. All Rights Reserved. Specifications are subject to change without notice. Other company names and product names used in this document are the registered trademarks or trademarks of their respective owners.