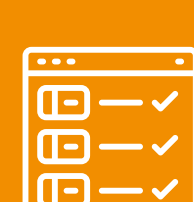




EMPOWER THE FUTURE OF EV CHARGING INFRASTRUCTURE

Designed with deep expertise and advanced technology, TE Connectivity (TE)'s robust portfolio of Electric Vehicle (EV) charging products answers the challenges engineers face and fits the diverse needs of AC and DC charging stations on a global basis for a wide range of power level and charging speed requirements.



Webpage



Virtual Sample Kit



Relay Selector Tool



Shop Online
Order Samples



Contact Us

THE DEVELOPMENT OF A CHARGING INFRASTRUCTURE REQUIRES SMART CHARGING SOLUTIONS TO BE:



Greener, with improved sustainability



Energy-efficient



Cost-effective



Faster, for a longer driving range



Vehicle-to-grid to enable greater flexibility

CHALLENGE

Higher current demand

Higher power required in a smaller package

Increases in charging speed

Charging station safety

Needing a cost-effective, one-stop shop

Finding a collaborative partner with a future-forward mindset

SOLUTION

High-performance, reliable relays and contactors in different power levels to provide a reliable charging circuit design.

TE's high-voltage resistance and compact design are excellent for trends in EVs that require higher power while saving space.

Consider both high power output and wide-ranging current regulation to provide solid protection in fast-charge mode.

Long electrical switching life and high-quality design result in less failure and more stability, making it reliable in case of emergency.

TE offers a broad portfolio of relays, physical connectors, passive and switch components as well as electrical products for EV charging applications with a wide range of power levels. Providing the right products and flexibility makes TE a strategic one-stop-shop partner.

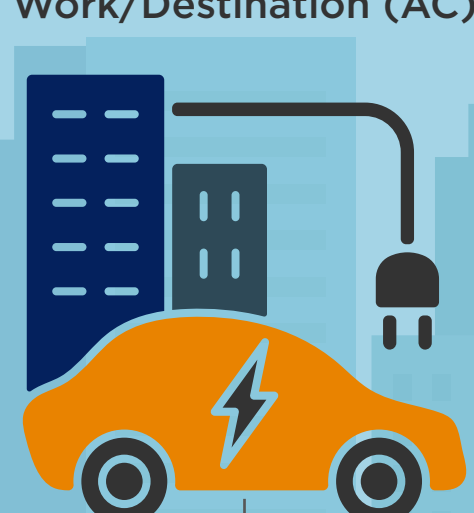
Focused field-application engineering expertise delivers successful charging design and support to meet the diverse needs of AC and DC charging infrastructure.

EXTREMELY FAST CHARGING CHANGES THE PERCEPTION OF EV CHARGING CONVENIENCE

Home (AC)



Work/Destination (AC)



Drive-Through Station (DC)



+

+

AC Charging

Application: Plugs into wall / Charging station / Garage

Voltage: 120VAC / 240-250VAC / 480VAC

Amperage: Max 63A

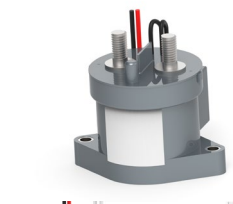
DC Fast Charge

Application: Charging station / Charging pile

Voltage: 50V-1000V / 1500V

Amperage: Max 600A

DC CHARGING STATION



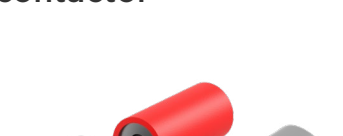
High-voltage DC contactor



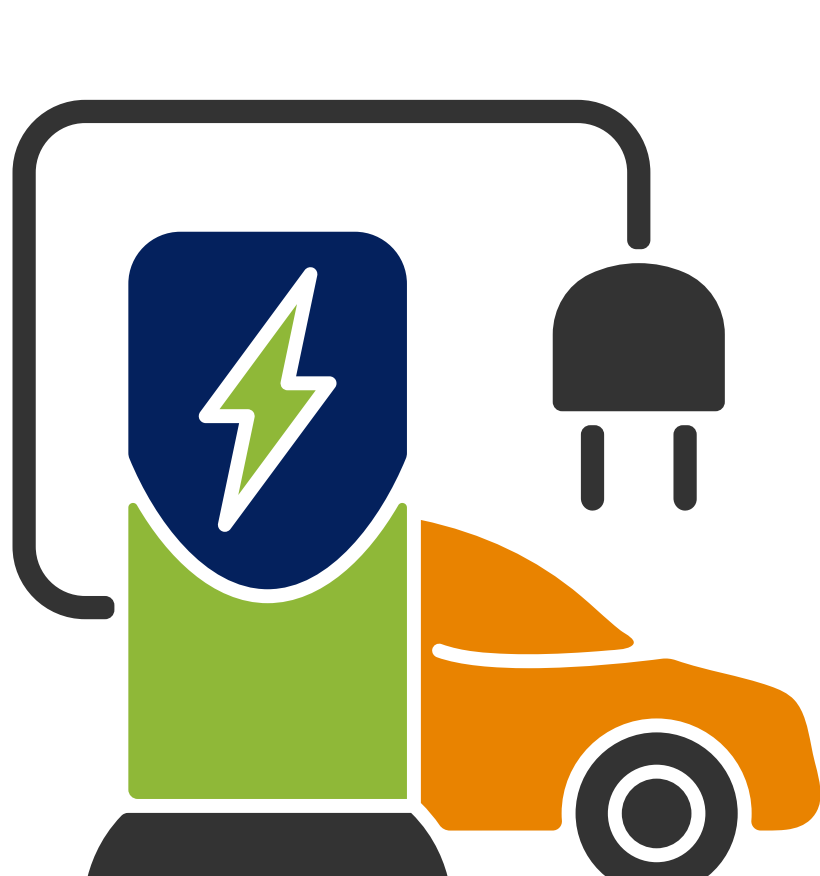
Dynamic series connectors



Identification



Terminals and splices



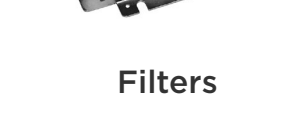
Power resistors



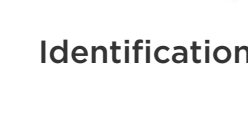
Filters



Board Signal Interconnects



Switches

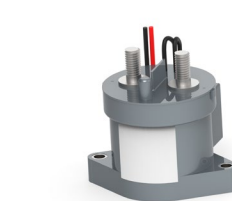


Terminal blocks



Power distribution blocks

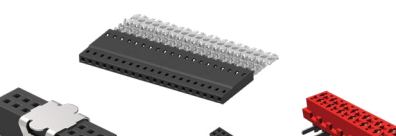
DC CHARGING PILES



High-voltage DC contactor



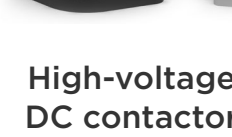
Power latching relay



Board Signal Interconnects



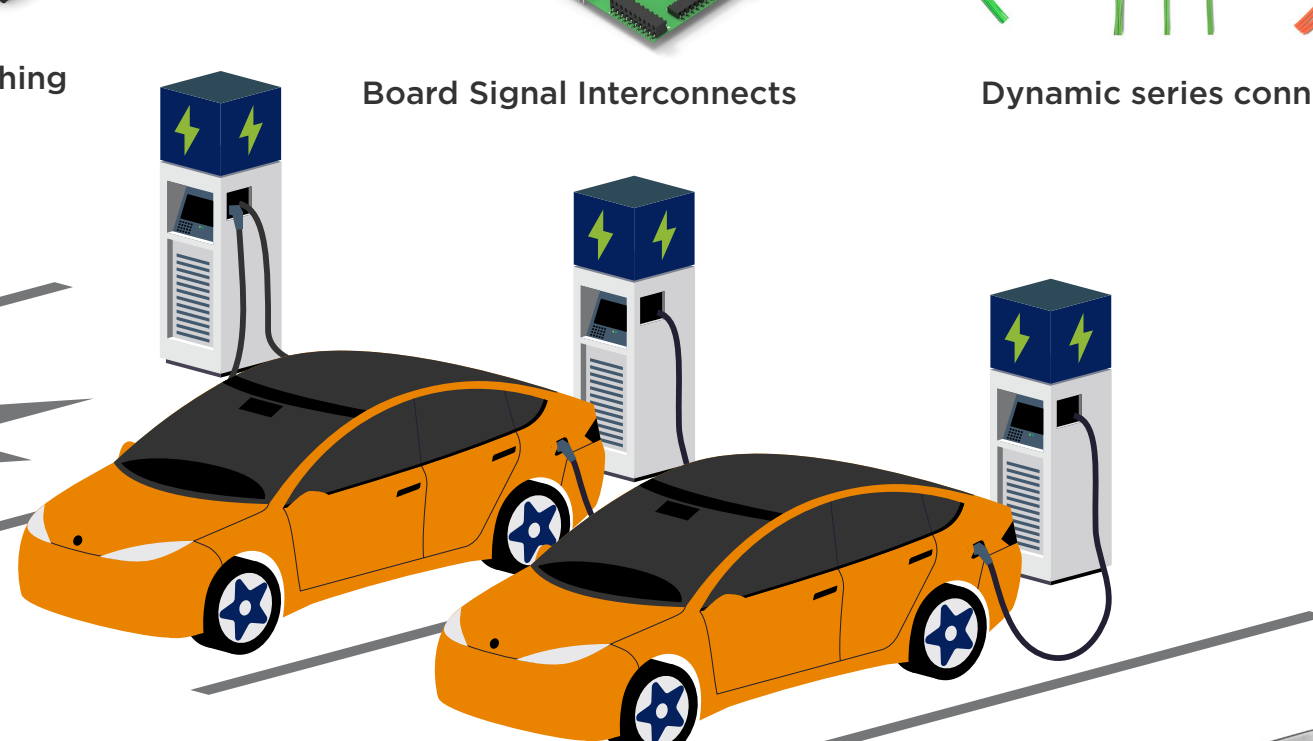
Dynamic series connectors



Identification



Terminals and splices



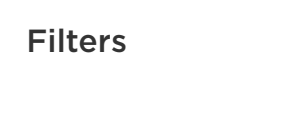
Power resistors



Filters



Board Signal Interconnects



Switches



Terminal blocks



Power distribution blocks

AC CHARGING STATION



Power relay



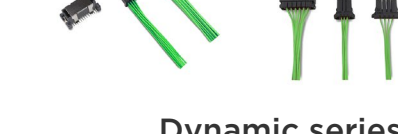
Power latching relay



Dynamic series connectors



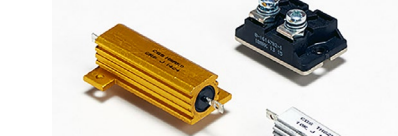
Power PCB relay



Power resistors



Filters



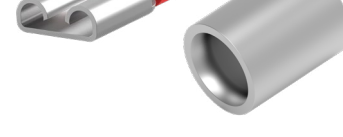
Board Signal Interconnects



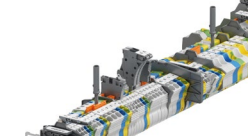
Switches



Identification



Terminals and splices



Terminal blocks



Power distribution blocks