********More safety for charging stations**

With the new EV RCM residual current monitoring modules, Phoenix Contact fulfils the standard requirements according to IEC 61851-1 as regards DC residual current acquisition in charging equipment.

According to current draft standards in charging infrastructure, in the future, either a Type B residual current or alternatively a Type A residual current with additional detection and shutdown equipment will be required in the case of DC residual currents > 6 mA. This should ensure that any occurring DC residual currents, e.g., due to insulation faults in the vehicle, do not have a negative impact on safety equipment in the infrastructure.

The modules detect AC and DC residual currents and the charging process is aborted before the residual current can affect the installation. The RCM modules are compatible with the EV Charge Control series of charging controllers from Phoenix Contact. This means that the residual current modules can be automatically reset and even carry out an automatic self-test. This lowers costs for service operations and increases the availability of the charging station. The module is available in a single- or two-channel design and can therefore be used to monitor residual currents in a domestic charging station or at commercial charging points.

**ENDS**

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