E-Mobility CHARX charge inlets

JANUARY 2021

Description

Phoenix Contact E-Mobility is updating its portfolio with the launch of the new Generation 4 CCS vehicle inlets. Generation 4 inlets allow high-power charging up to 250 A continuous and up to 500 A on a temporary basis. The new generation includes a version with a cable cross-section of 95 mm² for DC charging at the higher Amps. Core elements of the charging inlet have been engineered to improve temperature sensing and connection technology between the cables and contacts. At the same time as the market launch of the new CCS charging inlets, the CHARX product and solution brand is being introduced, bundling e-mobility products from Phoenix Contact and strengthening our market presence. The new CCS charging inlets are being marketed under the sub-brand CHARX connect, representing all connectivity products in the charging process.

BENEFIT



Features and benefits

FEATURE

DC cable cross-sections up to 95 mm ²	Quick vehicle charging is now possible with charging currents greater than 200 A available on a continuous basis, and up to 500 A available on a temporary basis.
Our broad portfolio covers various charging standards, cable lengths, cable cross-sections, and locking actuators	Select the appropriate vehicle charging inlet to suit a variety of application requirements.
Rated for up to 1000 V	Highest voltage rating available to enable the most efficient charging systems.
Integrated temperature sensors for precise temperature monitoring at each DC power contact transmit the temperature measurement data to the vehicle	If the vehicle is equipped with an assessment function by the manufacturer, it can read the supplied temperature measurement data and trigger a shutdown mechanism if overheating is imminent.
Charging inlets feature an optimized sealing system to achieve an IP67 degree of protection with additional IP6K6K/IP6K9K on the front	The charging inlet is protected against the ingress of moisture and dirt when open and when the charging connector is not inserted.
The external dimensions and mounting dimensions of the CCS type 1 and CCS type 2 charging inlets are identical	Using the same brackets and cut-out to install the charging inlets in vehicles reduces costs for vehicles sold in different markets/regions

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E-Mobility empowered by Phoenix Contact

Learn more at www.phoenixcontact.com/evinlet

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