

New Products

CE-marked Fast Charger Connector (One-Push Type)

As the need for global warming prevention intensifies all over the world, electric vehicles (EVs) are beginning to spread rapidly. As a main charging infrastructure for EVs, a large number of fast chargers capable of fast charging in approx. 30 minutes are being installed.

Fujikura has released a new CE-marked model, which complies with CHAdeMO1.0, to the European market. With the CE marking, the connector is allowed to be sold and distributed freely in the EU market. Our newly-developed connector with a stylish friendly design has excellent features of the simplest operability among the industry to connect/disconnect with one hand. In addition, the charging lamp using Fujikura illumination technology shows clearly that charging is in progress. The product is designed to offer high visibility due to a wide flashing area while securing ease of use and eye-friendliness with a design to prevent users from directly watching the LED lamp.

Luminous resin is used for the connector release button to increase its visibility in the dark.

Fujikura will continue to keep up with the latest technology trends of the industry and support the growth of the EV infrastructure by developing user-friendly products to fulfill the needs of EV and PHEV users.

Features

- Easy Operation : Just push on to plug in, Push the release button to unplug.
- Clear and Easy-on-the-eyes Charging lamp : Utilizing Fujikura illumination technology, the charging lamp is clear to see and easy on the eyes.
- State of the latch is clear by checking the release button : The latch and release button simultaneously work in an interlocked manner. It gives users an at-a-glance picture of the connection state.

Table 1. Specification (CE version).
(Conductor size: 35, 25, 10 mm²)

Certification standards	IEC62196-1		
Rated voltage	DC500 V		
Rated current	35 mm ²	25 mm ² *	10 mm ² *
	125 A	100 A	60 A
Operating Temperature	-30 ~ +50 °C		
Relative humidity	30 ~ 90%		
Connector weight	1.1 kg		

*Will be released in Oct. 2014

Table 2. Performance.

Insulation resistance	100 MΩ or more
Withstand voltage(V/1min)	AC3000 V
Fitting insertion force	Less than 100N
Temperature rise	Housing : 20 °C or less Terminal : 45 °C or less
Drop impact	No abnormality after dropped on a concrete floor from one meter height
IP code	Unmated : IP44 Mated : IP56
Mechanical endurance	10000 cycles



Fig. 1. Connector.

[Information]

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