

DC Charger Coupler Connector

The DC charger Coupler Connector facilitates connection of a DC power source to plug-in electric vehicle for rapid charging applications.

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DC charger Coupler Connector Features

- Reliable DC quick charging from a DC power source
- ROHS certified
- JEVSG 105 compliant
- CE mark and (European version)
- Built in safety actuator prevent powered disengagement
- Weather proofing to IP54



AG ELECTRICAL MANUFACTURE FACILITY

- Charging indicator LED
- Leverassisted insertion
- Mates with available DC charge coupler inlet
- Rated Mating Cycles: 10000
- Maximum Rated Voltage: 1000VDC

Pin#	Function
1	Reference GND for insulation monitor
2	Control EV replay (1 of 2)
3	(not assigned)
4	Ready to charger control
5	Power(supply)line - negative
6	Power(supply)line - positive
7	Proximity detectiveon
8	Communication +
9	Communication -
10	Control EV replay(2 of 2)

DC charger Coupler Connector Parameter

North America

Assembly Part Number	Wire Details	Cable Diameter	Rated Current	Cable
E55037-16-5R	AWG2*2+AWG18*9	1.31 in	80A	15ft.
E55037-35-5R	AWG2*2+AWG18*9	1.31 in	125A	15ft.
E55037-70-5R	AWG2*2+AWG18*9	1.31 in	200A	15ft.



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European

Assembly Part Number	Wire Details	Cable Diameter	Rated Current	Cable
E55037-6-5R	35mm ² *2+0.5mm ² *9	30.0mm	30A	5mtr
E55037-16-5R	35mm ² *2+0.5mm ² *9	30.0mm	80A	5mtr
E55037-35-5R	35mm ² *2+0.5mm ² *9	30.0mm	125A	5mtr
E55037-70-5R	35mm ² *2+0.5mm ² *9	30.0mm	200A	5mtr