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**NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA**

**GB/T 20234.3-2023**  
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**Connection Set for Conductive Charging of Electric  
Vehicles—Part 3: DC Charging Coupler**  
**电动汽车传导充电用连接装置**  
**第3部分：直流充电接口**

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# Connection Set for Conductive Charging of Electric Vehicles — Part 3: DC Charging Coupler

## 1 SCOPE

This document specifies the general requirements, ratings, connection interface, contact arrangement, contact functions, type, and structure dimensions of DC charging coupler for conductive charging of electric vehicles.

This document is applicable to the DC charging coupler with a rated voltage not exceeding DC 1,500V and a rated current (duration maximum current) not exceeding 800 A.

## 2 NORMATIVE REFERENCES

The following normative documents contain provisions which, through normative reference in this text, constitute essential provision of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendment) applies.

GB/T 19596 Terminology of electric vehicles

GB/T 20234.1 Connection set for conductive charging of electric vehicles - Part 1: General requirements

GB/T 29317 Terminology of electric vehicle charging/battery swap infrastructure

## 3 TERMS AND DEFINITIONS

For the purpose of this document, the terms and definitions given in GB/T 19596, GB/T 20234.1 and GB/T 29317 apply.

## 4 GENERAL REQUIREMENTS

4.1 The technical requirements and test methods of the DC charging coupler shall be as specified in GB/T 20234.1.

4.2 The control pilot circuit and control principle applicable to the DC charging coupler shall meet the requirements of appropriate standard or document.

4.3 The communication protocol applicable to the DC charging coupler shall meet the requirements of appropriate standard or document.

## 5 RATINGS

The ratings of DC charging coupler shall be as specified in Table 1.



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