Chinastandards.org

ICS 40.50

QC

AUTOMOTIVE INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

QC/T 1201.3-2023

Compatibility of on-board battery swap system for battery electric commercial vehicles-Part 3: Battery swap mechanism

纯电动商用车车载换电系统互换性 第3部分：换电机构

(English Translation)

Issued by: Ministry of Industry and Information Technology of the People's Republic of China

Preview: page 1 of 3 shown, 13 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/qc-t-1201-3-2023

Table of Contents

[Preview only]
1 Scope
1.1 Brake performance
1.2 Heat fade and recovery of brake
1.3 Line failure and booster failure
1.4 Wear of brake linings (pads)
2 Normative References
2.1 Terms
3 Terms and Definitions
3.2 Abbreviations
4 General Requirements
5 Technical Requirements
6 Test Methods
7 Inspection Rules

1 Foreword

QC/T 1201.3-2023 was issued by Ministry of Industry and Information Technology of the People's Republic of China on 29 December 2023.

It is one of 5 parts of the QC/T 1201 series.

The QC/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

This document specifies the requirements for compatibility of the battery swap mechanism in the on-board battery swap system of battery electric commercial vehicles with cab-back battery swap. This document is applicable to Categories N2 and N3 battery electric vehicles whose cab-back swappable battery system is replaced as a whole. It may be used as a reference for vehicles with battery swap made in other forms.

QC/T 1201.3-2023 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 1,601 other QC/T standards.

Preview: page 2 of 3 shown, 13 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/qc-t-1201-3-2023

Of the 409 QC/T standards that do carry an ICS number, 397 (97%) fall under ICS 43, in the field of road vehicle engineering.

3 Normative references

GB/T 1804 - General tolerances - Tolerances for linear and angular dimensions without individual tolerance indications

GB/T 19596 - Terminology of electric vehicles

GB/T 19804 - Welding - General tolerances for welded constructions - Dimensions for lengths and angles - Shape and position

4 About this standard

Sector: Automobile & Vehicle

Issued by: Ministry of Industry and Information Technology of the People's Republic of China

English translation: about 13 pages

5 Related standards

Other parts of this standard:

QC/T 1201.1-2023 - Interchangeability of On Board Power Exchange System for electric commercial vehicle

QC/T 1201.2-2023 - Compatibility of on-board battery swap system for battery electric commercial vehicles - Part 2: Battery swap cooling interface

QC/T 1201.4-2023 - Compatibility of on-board battery swap system for battery electric commercial vehicles - Part 4: Swappable battery system

QC/T 1201.5-2023 - Compatibility of on-board battery swap system for battery electric commercial vehicles - Part 5: Communication between the vehicle and the battery system

6 Classification and status

International classification (ICS): 40.50

Chinese Standard Classification (CCS): T 40

Prefix QC/T: recommended standard.

Preview: page 3 of 3 shown, 13 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/qc-t-1201-3-2023