

Translated English of Chinese Standard: QC/T29009-1991

www.ChineseStandard.net

Sales@ChineseStandard.net

QC

AUTOMOBILE INDUSTRY STANDARD
OF THE PEOPLE'S REPUBLIC OF CHINA

QCn 29009-91 (QC/T 29009-91)

Automotive wire terminal - Technical requirements

汽车用电线接头 技术条件

QC/T 29009-91 How to BUY & immediately GET a full-copy of this standard?

1. www.ChineseStandard.net;
2. Search --> Add to Cart --> Checkout (3-steps);
3. No action is required - Full-copy of this standard will be automatically & immediately delivered to your EMAIL address in 0~25 minutes.
4. Support: Sales@ChineseStandard.net. Wayne, Sales manager

Approved on: May 16, 1991

Implemented on: September 1, 1991

Issued by: China Automobile Industry Corporation

Table of Contents

1 Subject contents and application scope	3
2 Normative standards	3
3 Technical requirements	3
4 Test methods	5
5 Inspection rules	7
Additional information:	7

Automotive wire terminal - Technical requirements

1 Subject contents and application scope

This Standard specifies the technical requirements, test methods, inspection rules, marks, packing, transportation and storage for automotive wire terminal (hereinafter referred as terminal).

This Standard is applicable to automotive low voltage wire terminal, automotive ignition wire terminal, automotive cylindrical wire connection parts and automotive battery wire terminal.

2 Normative standards

ZB T35 001 *Basic Technical Specifications for Automotive Electrical Equipment*

QCn 29010 *Type, Dimension and Technical Requirements for Automotive Low Voltage Wire Terminal*

QCn 29011 *Type, Dimension and Technical Requirements for Automotive Ignition Wire Terminal*

QCn 29012 *Type, Dimension and Technical Requirements for Automotive Cylindrical Wire Connector Clip*

QCn 29013 *Type, Dimension and Technical Requirements for Automotive Battery Wire Terminal*

GB 2828 *Sampling Procedures and Tables for Lot-by-lot Inspection by Attributes (Applicable to Inspection of Successive Lots or Batches)*

3 Technical requirements

3.1 The appearance and fitting dimension of the terminal shall conform to corresponding stipulations in standards of QCn 29010, QCn 29011, QCn 29012, QCn 29013.

3.2 The surface of the terminal shall be clean, free of burrs and sharp points, without defects such as pile, blank and peeling on the clad layer.

1.5	20	11
2.5	30	16
4.0	35	18
6.0	40	20
10	50	25
16	60	15
25	70	18
35	80	20
50	90	23
70	100	25

Table 2 The voltage drop of the cylindrical connector clip

Section area of wire-core mm ²	Test current A	The voltage drop not more than mV
0.5	5	7.5
0.75	10	15
1.0	15	22.5
1.5	20	30
2.5	30	45
4	35	52.5
6	40	60

3.9 The cooperation of the cylindrical connector-clips shall be tight and reliable. It shall be obviously sensible if there is positioning.

4 Test methods

4.1 Appearance inspection

Inspect with naked eyes, it shall conform to the stipulations of Articles 3.2 and 3.3.

4.2 Moisture resistance test

The test shall be carried out in the environment of which the relative humidity is 90% ~ 95% and temperature is 40±2°C. The samples shall be placed in the moisture resistance box according to the following requirements:

- a. The space between samples on the test board shall not be less than 25mm;
- b. The axis of the samples shall be in the horizontal position; the surface of the terminal shall be completely exposed without contact with other articles.

This is an excerpt of the PDF (Some pages are marked off intentionally)

Full-copy PDF can be purchased from 1 of 2 websites:

1. <https://www.ChineseStandard.us>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Select your country (currency), for example: USA (USD); Germany (Euro).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Tax invoice can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with download links).

2. <https://www.ChineseStandard.net>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Add to cart. Only accept USD (other currencies - <https://www.ChineseStandard.us>).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with PDFs attached, invoice and download links).

Translated by: Field Test Asia Pte. Ltd. (Incorporated & taxed in Singapore. Tax ID: 201302277C)

About Us (Goodwill, Policies, Fair Trading...): <https://www.chinesestandard.net/AboutUs.aspx>

Contact: Wayne Zheng, Sales@ChineseStandard.net

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

----- The End -----