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

**GB/T 16895.27-2012**

Replacing GB 16895.27-2006

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**[GB/T 16895.27-2012] Low-voltage electrical installations -- Part  
7-705: Requirements for special installations or locations --  
Agricultural and horticultural premises**

低压电气装置 第7-705部分：特殊装置或场所的要求 农业和园艺设施

**(English Translation)**

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## Table of Contents

|                                        |   |
|----------------------------------------|---|
| 705.11 Scope .....                     | 1 |
| 705.12 Normative references .....      | 1 |
| 705.20 Terms and Definitions .....     | 2 |
| 705.312 Distribution System type ..... | 2 |

### Foreword

All technical content in this section is mandatory.

GB 16895 "Buildings (low voltage) electrical apparatus" is divided into five sections.

--- Part 1. Fundamental principles, assessment of general characteristics and definitions;

--- Part 4. Safety;

--- Part 5. Selection and erection of electrical equipment;

--- Part 6. Inspection;

--- Part 7. requirements for special installations or locations.

This section is part of the 7 GB 16895.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB 16895.27-2006 "Electrical installations of buildings Part 7.

Requirements for special installations or locations Section 705

Section agricultural and horticultural facilities. "

This section compared with GB 16895.27-2006, the main technical changes are as follows.

--- For the high-density livestock premises involved, it puts forward new requirements (see 705.556.8);

--- For residential and other premises belonging to the agricultural and horticultural facilities proposed requirements (see 705.312.2.1);

--- For electrical equipment, for example, for use in possible danger of fire and mechanical damage of properties in harsh environments cabling system,

The light emitting device, the power outlet proposed additional requirements (see 705.422.6,705.422.7,705.422.8);

--- Terminal circuits made using RCD protection requirements (see 705.411.1).

This section identical with IEC 60364-7-705.2006 "the first low-voltage electrical installations Part 7-705. special installations or locations to

Demand for agricultural and horticultural facilities. " This part of IEC 60364-7-705.2006 (2nd edition), compared reg numbers for identification, technical content

Identical, but made the following editorial changes.

--- Use the decimal symbol instead of decimal symbol " , " . " , " ;

--- Deletion of the IEC standard "foreword";

--- In the "low-voltage electrical installations - Part 7-705. Requirements for special installations or locations - Agricultural and horticultural facilities", there are other countries

Application of the criteria of our country has nothing to do with the note is omitted in this standard.

Consistency correspondence between this part of international documents and normative references of our files are as follows.

--- GB 2099.1 household and similar purposes plugs and sockets - Part 1. General requirements (IEC 60884-1.2006, MOD)

--- GB 7000.17-2003 Safety requirements of luminaires with limited surface temperatures (IEC 60598-2-24.1997, IDT)

--- GB/T 11918-2001 industrial use - Part 1 plug and socket coupler. General requirements (idt, IEC 60309-1.1999)

Electrical accessories pin and tube accessories of. --- GB/T 11919-2001 industrial plug and socket coupling - Part 2

Dimensional interchangeability requirements (idt IEC 60309-2.1999)

--- GB 16895.4-1997 Electrical installations of buildings - Part 5. Selection and erection of electrical equipment Chapter 53. switch

Preparation and control equipment (idt IEC 60364-5-53.1994)

--- GB/T 19215.2-2003 Electrical installation Cable trunking and ducting systems - Part 2. Particular requirements - Section 1. Installation

Cable trunking and ducting systems on walls or ceilings (IEC 61084-2-1.1996 IDT)

This part of the National Standardization Technical Committee of electrical building equipment (SAC/TC205) and focal points.

This section is responsible for drafting unit. electrical machines in Design and Research Institute.

## Introduction

The requirements of this section is to supplement, modify or replace some of the content in general requirements GB 16895 in other parts.

This section follows the provisions of GB 16895 number of models and make the appropriate references.

No later connected to the dedicated Section 7-705 is GB 16895 part number or a corresponding clause number.

Of this section or section is not listed, it means that the corresponding GB 16895 General requirements still apply.

Low-voltage electrical installations

Requirements for special installations or locations. Section 7-705

Agricultural and horticultural facilities

### 705.11 Scope

This section provides a fixed electrical installations to agricultural and horticultural facilities, indoor and outdoor. Some requirements are also used to make other

Places, such as public buildings and facilities belonging to agricultural and horticultural facilities.

As family houses and similar applications, locations and regions, it is not included in this section.

If some special requirements of Section 705 is also applicable to other places such as residential and public buildings like that, which in this section

The body will be described.

### 705.12 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein

Member. For undated references, the latest edition (including all repair orders) applies to this document.

GB 7000 (all parts) lamps [IEC 60598 (all parts)]

IEC 60598-2-24 Safety requirements of luminaires with limited surface temperatures (Luminaires-Part 2-24. Particular requirements-

Luminaires with limited surface temperatures)

IEC 60309-1 industrial plug and socket couplers - Part 1. General requirements (Plugs, socket-outlets and couplers

for industrial purposes - Part 1. General requirements)

IEC 60309-2 industrial plug and socket coupling - Part 2. pin and tube accessories electrical accessories interchangeability dimensions

Requirements (Plugs, socket-outlets and couplers for industrial purposes - Part 2. Dimensional

interchangeability requirements for pin and contact tube accessories)

Part 5 IEC 60364-5-53 Electrical installations of buildings. Selection and erection of electrical equipment Chapter 53. Switchgear and control

Device (Low-voltage electrical installations of buildings - Part 5-53. Selection and erection of electrical

equipment - Isolation, switching and control)

IEC 61084-2-1 for electrical installations cable trunking and ducting systems - Part 2. Particular requirements - Section 1. for installation in a wall or ceiling

Board cable trunking and ducting systems

(Cable trunking and ducting systems for electrical installations - Part 2.

Particular requirements - Section 1. Cable trunking and ducting systems intended for mounting on walls or ceilings)

Safety - Part 2-71 IEC 60335-2-71 Household and similar electrical appliances. breeding and rearing animals with electrical heating appliances

Particular requirements (Household and similar electrical appliances - Safety - Part 2-71. Particular requirements

for electrical heating appliances for breeding and rearing animals)

IEC 60364-5-55 low-voltage electrical installations - Part 5. Selection and erection of electrical equipment Chapter 55. Other equipment (Low

voltage electrical installations - Part 5-55.

Selection and erection of electrical equipment - Other equipment)

IEC 61386-21 for electrical installations - Part 21 Catheter System. Particular requirements - Rigid conduit systems (Conduit systems

for cable management - Part 21. Particular requirements - Rigid conduit systems)