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

GB 16895.31-2008

**Electrical installations of buildings -- Part 7-717: Requirements
for special installations or locations -- Mobile or transportable
units**

建筑物电气装置 第7-717部分：特殊装置或场所的要求 移动的或可搬运的单元

(English Translation)

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Foreword

GB (/ T) all the technical content of this section 16895 is mandatory.

GB (/ T) 16895 "Electrical installations of buildings" series of national standards are divided into the following five sections.

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

--- Part 4. Security

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

--- Part 6. Inspection Requirements for special installations or locations. --- Part 7 this is Part 7. Requirements for special installations or locations in the 717 section.

This section identical with IEC 60364-7-717:2001 "Electrical installations of buildings - Part 7-717. Requirements for special installations or locations Unit mobile or transportable "(in English).

This part of IEC 60364-7-717:2001 on the same technical content, but contains the following editorial changes.

a) the decimal symbol instead of using decimal notation " , " . " , " ;

b) using the "part" instead of "this International Standard";

c) by deleting the IEC standard "Preface." this part of the reg number and IEC 60364-7-717:2001 exactly.

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.

Participated in the drafting of this section. Beijing Institute of Architectural Design.

Introduction

GB/T 16895 requirements of this part is to supplement, modify or replace the GB/T 16895 General requirements for other parts of some content.

This part of the terms of the numbers follow GB/T 16895 mode and make the appropriate references.

Dedicated 7-717 number connected to the later part of the GB/T 16895 corresponding part numbers or terms of numbers.

GB /chapters, sections or strips T 16895 in this section are not listed, it means that the GB/T 16895 of the corresponding general requirements still apply use.

GB 16895.31-2008/IEC 60364-7-717:2001 Electrical installations of buildings
Requirements for special installations or locations. Section 7-717 Transportable unit or movement or transportable unit 717 moves

717.1 Scope

GB (/ T) the special requirements of this section 16895 of the provisions applicable to mobile or transportable units.

In this section the term "unit" refers to a vehicle and/or mobile or transportable structure in which the entire or part of the fitted Electrical installations.

These units are.

--- Movable type, for example, the vehicle (the drive itself or towed);

--- Or transportable type, for example, placed on the base of the box.

Examples of its application, such as broadcasting vehicles, medical service vehicles, advertising vehicles, fire trucks, construction vehicles and the like.

Two or more units can be connected together electrically.

These requirements do not apply to.

--- Generators;

--- Marina and yachts;

--- GB 5226.1 mobile machinery;

--- Electric vehicle traction equipment.

Additional requirements for other parts of Section 7, for example showers, medical facilities

and other additional requirements, if applicable, should also be considered for this section.

717.2 Normative references the following documents contain provisions which, through GB (/ T) referenced in this section 16895, constitute provisions of this part. For dated references Documents, all subsequent amendments (not including errata content) or revisions do not apply to this section; however, encouraged to reach under this section Research into whether the parties to the agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB 2099.1 plugs and sockets for household and similar purposes - Part 1. General Requirements (GB 2099.1-2008, IEC 60884-1.

2006, MOD)

GB/T 5013.4-2008 rated voltage of 450/750V and below rubber insulated cables Part 4. Cords and flexible cables (idt IEC 60245-4:2004, IDT) GB/T 5023.3-2008 rated voltage of 450/750V and below PVC insulated cables - Part 3. No fixed wiring Sheathed cables (IEC 60227-3:1997, IDT) GB/T 5023.4-2008 rated voltage of 450/750V and below PVC insulated cables Part 4. Fixed wiring protection Cables (IEC 60227-4:1997, IDT) GB/T 5226.1-2000 Safety of machinery electrical equipment. Part 1. General requirements (idt IEC 60204-1:1997) GB/T 11918-2001 industrial plug and socket couplers - Part 1. General requirements (idt IEC 60309-1:1999) GB/T 11919-2001 industrial plug and socket coupling - Part 2. Dimensions plug pin and sleeve mutual electrical accessories in other requirements (idt IEC 60309-2:1999) GB 16895.31-2008/IEC 60364-7-717:2001 GB/T 14823.2-1993 Electrical installation rigid insulation conduit duct special requirements (neq IEC 60614-2-2. 1980) Part 5 GB 16895.20-2003 Electrical installations of buildings. Selection and erection of electrical equipment Chapter 55. Other equipment System 551. Low-voltage power equipment (IEC 60364-5-551:1994, IDT) Part 4-41 GB 16895.21-2004 Electrical installations of buildings. Protection for safety Protection against electric shock (IEC 60364-4-41.

2001, IDT)

GB 19212.1-2003 Safety of power transformers, power supply units and similar products - Part 1. General requirements and tests (idt IEC 61558-1:1997) GB/T 17045-2008 General Protection against electric shock devices and equipment (IEC 61140:2001 + IEC 61140A1:2004, IDT) IEC 60364-7 (all parts), Electrical installations of buildings Part 7. Requirements for special installations or locations IEC 60614-2-3:1990 Electrical apparatus duct Technical specifications - Part 2. Particular requirements for conduit section 3. Insulation Material soft catheter

717.3 General Characteristics Assessment 717.31 purpose, structure and power supply

717.312 Distribution System type 717.312.2 grounding system type Note. In this section indicated the use of premises TN, TT or IT systems, it means only protection principle of the

system is suitable.

717.312.2.1 TN system in any unit, it does not allow the use of TN-C system.

717.313 Power

Available in the following manner to the power supply unit.

a) Power supply in line with GB 16895.20-2003 pick from a low-pressure power generation equipment (see Figure 717A.1 and 717A.2), or

b) Power supply from fixed electrical contact means having an effective protection measures (see Figure 717B.1 and 717B.2), or

c) power supply connection from fixed electrical apparatus used in line with GB/T 17045-2008 simple segregation of power supply (see Figure 717C.1,

Figure 717C. 2 and 717C. 3), or

d) power supply connection from fixed electrical installations, the use of electric-powered segregation policy (see the example 717D).

Note 1: in a), b) and c) of the cases, it may require grounding.

Note 2: In Fig. 717C. Under 1, you may need to set the ground for protection purposes pole (see 717.413.1.5.3).

Note 3: When using the IT equipment within the unit, or when necessary to reduce electromagnetic interference, simple-delimited or separated electrical protection is appropriate.

Can be used in line with a), b), c) or d) any way to the power supply unit, or by way of a) one of the other combinations with their powered by.

Power supply, connect the device or separator device may be disposed within the unit.

717.4 Security

717.41 Protection against electric shock 717.412 direct contact protection 717.412.4 not permitted outside the scope of protection placed outriggers.

717.412.5 unit for the external power supply socket for an electrical equipment with a rated residual operating current not exceeding 30mA remaining electric Flow protection as an additional protection, except in one of the following protection circuit power supply socket.

--- SELV;

--- PELV;

--- Electrical separation.

717.413 indirect contact protection 717.413.1 automatic power-off protection

a) in accordance with a 717.313) when the power supply, allowing only the use of TN and IT