

**SLOVENSKI  
PREDSTANDARD**

**oSIST IEC 60364-7-740:2006**

junij 2006

---

---

**Električne inštalacije zgradb - 7-740. del: Zahteve za posebne inštalacije ali lokacije - Začasne električne inštalacije za strukture, zabaviščne naprave in stojnice na sejmiščih, v zabaviščnih parkih in cirkusih**

Electrical installations of buildings - Part 7-740: Requirements for special installations or locations - Temporary electrical installations for structures, amusement devices and booths at fairgrounds, amusement parks and circuses

---

---

ICS 91.140.50; 97.200.40

Referenčna številka  
oSIST IEC 60364-7-740:2006(en)



NORME  
INTERNATIONALE

CEI  
IEC

INTERNATIONAL  
STANDARD

**60364-7-740**

Première édition  
First edition  
2000-10

---

---

**Installations électriques des bâtiments –**

**Partie 7-740:**

**Règles pour les installations ou emplacements  
spéciaux – Installations électriques temporaires  
de structures, jeux et baraques dans des champs  
de foire, des parcs de loisirs et des cirques**

**Electrical installations of buildings –**

**Part 7-740:**

**Requirements for special installations or  
locations – Temporary electrical installations  
for structures, amusement devices and booths  
at fairgrounds, amusement parks and circuses**

© IEC 2000 Droits de reproduction réservés — Copyright - all rights reserved

Aucune partie de cette publication ne peut être reproduite ni  
utilisée sous quelque forme que ce soit et par aucun procédé,  
électronique ou mécanique, y compris la photocopie et les  
microfilms, sans l'accord écrit de l'éditeur.

No part of this publication may be reproduced or utilized in  
any form or by any means, electronic or mechanical,  
including photocopying and microfilm, without permission in  
writing from the publisher.

International Electrotechnical Commission  
Telefax: +41 22 919 0300

e-mail: [inmail@iec.ch](mailto:inmail@iec.ch)

3, rue de Varembe Geneva, Switzerland  
IEC web site <http://www.iec.ch>



Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

CODE PRIX  
PRICE CODE

L

*Pour prix, voir catalogue en vigueur  
For price, see current catalogue*

## CONTENTS

	Page
FOREWORD .....	5
INTRODUCTION .....	7
Clause	
740.1 Scope, object and fundamental principles .....	9
740.1.1 Scope.....	9
740.1.2 Normative references .....	9
740.2 Definitions.....	11
740.3 Assessment of general characteristics.....	13
740.31 Purposes, supplies and structure .....	13
740.4 Protection for safety .....	13
740.41 Protection against electric shock.....	13
740.47 Application of protective measures for safety .....	15
740.48 Choice of protective measures as a function of external influences .....	15
740.5 Selection and erection of electrical equipment .....	17
740.51 Common rules .....	17
740.52 Wiring systems.....	17
740.53 Switchgear and controlgear .....	19
740.55 Other equipment.....	19
740.6 Verification.....	23

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICAL INSTALLATIONS OF BUILDINGS –****Part 7-740: Requirements for special installations or locations –  
Temporary electrical installations for structures, amusement devices  
and booths at fairgrounds, amusement parks and circuses**

## FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60364-7-740 has been prepared by IEC technical committee 64: Electrical installations and protection against electric shock.

The text of this standard is based on the following documents:

FDIS	Report on voting
64/1132/FDIS	64/1161/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 3.

The committee has decided that the contents of this publication will remain unchanged until 2006. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition; or
- amended.

## INTRODUCTION

The requirements of this part of IEC 60364 supplement, modify or replace certain of the general requirements of IEC 60364.

The clause numbering follows the pattern and corresponding references of IEC 60364.

The numbers following the particular number of part 7-740 are those of the corresponding parts or clauses of IEC 60364.

The absence of reference to a chapter, a section or a clause means that the corresponding general requirements of IEC 60364 are applicable.

## **ELECTRICAL INSTALLATIONS OF BUILDINGS –**

### **Part 7-740: Requirements for special installations or locations – Temporary electrical installations for structures, amusement devices and booths at fairgrounds, amusement parks and circuses**

#### **740.1 Scope, object and fundamental principles**

##### **740.1.1 Scope**

This part of IEC 60364 specifies the minimum electrical installation requirements to facilitate the safe design, installation and operation of mobile, temporarily or permanently installed electrical machines and structures which incorporate electrical equipment. The machines and structures are intended to be installed repeatedly, without loss of safety, temporarily or permanently, at fairgrounds, amusement parks, circuses or any other places.

For non-electrical safety, refer to CEN TC 152.

The object of this part of IEC 60364 is to define the electrical installation requirements for such structures and machines, both being either integral parts or constituting the total amusement device.

This part does not apply to the electrical equipment of machines (see IEC 60204-1).

##### **740.1.2 Normative references**

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 60364. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of IEC 60364 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of IEC and ISO maintain registers of currently valid normative documents.

IEC 60038:1983, *IEC standard voltages*

IEC 60050(826):1982, *International Electrotechnical Vocabulary (IEV) – Chapter 826: Electrical installations of buildings*

IEC 60204-1:1997, *Safety of machinery – Electrical equipment of industrial machines – Part 1: General requirements*

IEC 60332-1:1993, *Tests on electric cables under fire conditions – Part 1: Tests on a single vertical, insulated wire or cable*

IEC 60332-3:1992, *Tests on electric cables under fire conditions – Part 3: Tests on bunched wires or cable*

IEC 60364-3:1993, *Electrical installations of buildings – Part 3: Assessment of general characteristics*

IEC 60364-4-41:1992, *Electrical installations of buildings – Part 4: Protection for safety – Chapter 41: Protection against electric shock*

IEC 60364-4-481:1993, *Electrical installations of buildings – Part 4: Protection for safety – Chapter 48: Choice of protective measures as a function of external influences – Section 481: Selection of measures for protection against electric shock in relation to external influences*

IEC 60364-5-54:1980, *Electrical installations of buildings – Part 5: Selection and erection of electrical equipment – Chapter 54: Earthing arrangements and protective conductors*

IEC 60947-2:1995, *Low-voltage switchgear and controlgear – Part 2: Circuit-breakers*

IEC 61008-1:1996, *Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) – Part 1: General rules*

IEC 61009-1:1996, *Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) – Part 1: General rules*

IEC 61034 (all parts), *Measurement of smoke density of cables burning under defined conditions*

IEC 61046:1993, *DC or a.c. supplied electronic step-down convertors for filament lamps – General and safety requirements*

IEC 61558-2-6:1997, *Safety of power transformers, power supply units and similar – Part 2: Particular requirements for safety isolating transformers for general use*

IEC 62020:1998, *Electrical accessories – Residual current monitors for household and similar uses (RCMs)*

CEN TC 152: *Non-permanent structures and equipment for fairgrounds and amusement parks: Safety*

## **740.2 Definitions**

For the purpose of this part of IEC 60364, the definitions given in IEC 60050(826) as well as the following definitions apply.

### **740.2.1**

#### **fairground**

area where one or more stands, amusement devices or booths are erected for leisure use

### **740.2.2**

#### **booth**

unit, usually movable, intended to accommodate equipment generally for pleasure or demonstration purposes