



SLOVENSKI STANDARD

SIST EN 61969-2-2:2002

01-september-2002

Mechanical structures for electronic equipment - Outdoor enclosures - Part 2-2: Detail specification - Dimensions of cases (IEC 61969-2-2:2000)

Mechanical structures for electronic equipment - Outdoor enclosures -- Part 2-2: Detail specification - Dimensions for cases

Mechanische Bauweisen für elektronische Einrichtungen - Außengehäuse -- Teil 2-2: Maßnorm - Maße für Gehäuse

Structures mécaniques pour équipement électronique - Enveloppes de plein air -- Partie 2-2: Spécification particulière - Dimensions des coffrets

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Ta slovenski standard je istoveten z: EN 61969-2-2:2000

ICS:

31.240	Mehanske konstrukcije za elektronsko opremo	Mechanical structures for electronic equipment
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61969-2-2

April 2000

ICS 31.240

English version

**Mechanical structures for electronic equipment - Outdoor enclosures
Part 2-2: Detail specification - Dimensions for cases
(IEC 61969-2-2:2000)**

Structures mécaniques pour équipement
électronique - Enveloppes de plein air
Partie 2-2: Spécification particulière
Dimensions des coffrets
(CEI 61969-2-2:2000)

Mechanische Bauweisen für
elektronische Einrichtungen
Außengehäuse
Teil 2-2: Maßnorm - Maße für Gehäuse
(IEC 61969-2-2:2000)

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

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Foreword

The text of document 48D/214/FDIS, future edition 1 of IEC 61969-2-2, prepared by SC 48D, Mechanical structures for electronic equipment, of IEC TC 48, Electromechanical components and mechanical structures for electronic equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61969-2-2 on 2000-02-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2000-11-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2003-02-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61969-2-2:2000 was approved by CENELEC as a European Standard without any modification.

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MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENT – OUTDOOR ENCLOSURES –

Part 2-2: Detail specification – Dimensions for cases

1 General

1.1 Scope

This part of IEC 61969 contains application dimensions for cases.

The dimensions have been derived by selection from the sectional standard IEC 61969-2 and follow the equipment mounting dimensions given in IEC 60917-2-1.

NOTE There is a close similarity to outdoor cabinets as far as the equipment mounting dimensions are concerned. Due to the smaller dimensions of cases, the increments are also smaller compared to outdoor cabinets.

1.2 Normative references **(standards.iteh.ai)**

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 61969. 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 61969 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 ISO and IEC maintain registers of currently valid International Standards.

IEC 60297-1, *Dimensions of mechanical structures of the 482,6 mm (19 in) series – Part 1: Panels and racks*

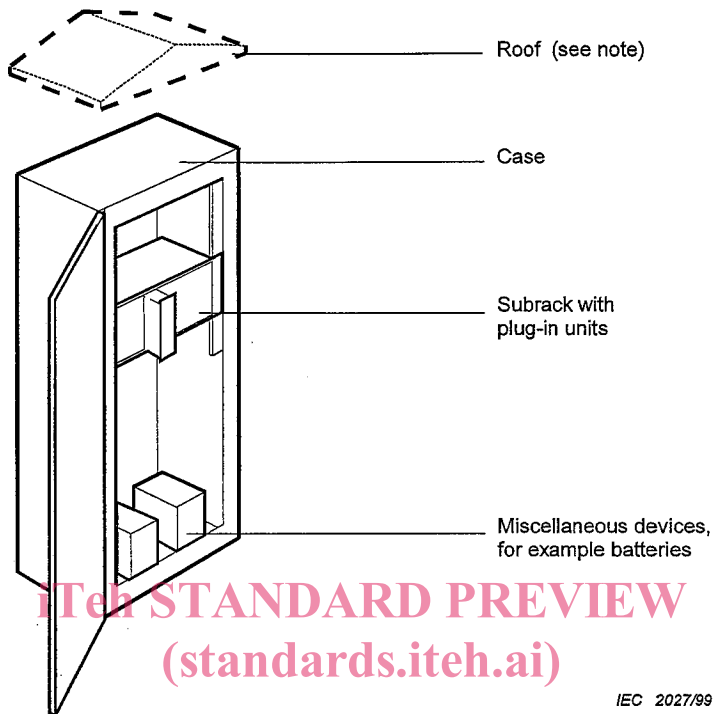
IEC 60917 (all parts), *Modular order for the development of mechanical structures for electronic equipment practices*

IEC 60917-2-1, *Modular order for the development of mechanical structures for electronic equipment practices – Part 2: Sectional specification – Interface co-ordination dimensions for the 25 mm equipment practice – Section 1: Detail specification – Dimensions for cabinets and racks*

IEC 61969-2, *Mechanical structures for electronic equipment – Outdoor enclosures – Part 2: Sectional specification – Coordination dimensions for cases and cabinets*

2 Arrangement overview

An example of an outdoor case is given below.



NOTE The case may be closed at the top without additional parts. Specific roofs are assumed to be optional and are not specified in this standard.

Figure 1 – Arrangement overview

3 Dimensions

The dimensions for outdoor cases are based on the following formulae:

$$H = H_1 + 175 + n \times 400 \quad (1)$$

where

H is the overall height;

H_1 is the aperture height.

$$W = W_1 + 165 + n \times 300 \quad (2)$$

where

W is the overall width;

W_1 is the aperture width.

$$D = (D - (D_1 + D_2)) + 100 + n \times 300 \quad (3)$$

where

D is the overall depth;

D_1 and D_2 are the aperture depths.

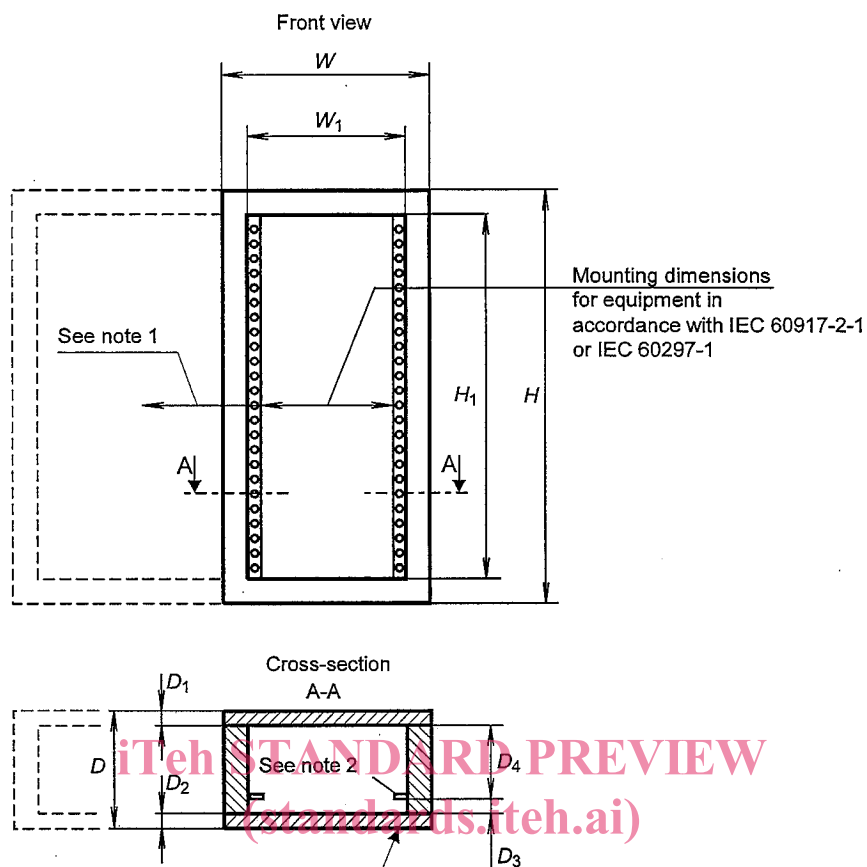
All the dimensions are in millimetres.

Following the rules of IEC 60917, the overall dimensions may be decreased and the aperture dimensions may be increased.

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Accessories such as handles and locks may exceed the pitchline of an outside dimension by a maximum of 25 mm.



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including door IEC 2028/99

NOTE 1 The mounting uprights may be positioned at any $n \times 25$ mm within wider cases

NOTE 2 The depth position may be recessed by $n \times 25$ mm.

Figure 2 – Outdoor case dimensions

Table 1 – Outdoor case height and width dimensions
with depth of 400 mm

Dimensions in millimetres

H	0/-5	400	800		1 200			
H_1	\geq	225	625		1 025			
W	0/-5	700	700	1 000	700	1 000	1 300	1 600
W_1	\geq	535	535	835	535	835	1 135	1 435
D	0/-5	400						
D_1	\leq	50						
D_2	\leq	50						
D_3	\geq	50						
D_4	\geq	250						