

**Mechanical structures for electronic equipment -
Outdoor enclosures - Part 2: Coordination dimensions**

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NATIONAL FOREWORD

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**Mechanical structures for electronic equipment -
Outdoor enclosures -
Part 2: Coordination dimensions
(IEC 61969-2:2011)**

Structures mécaniques pour équipement
électronique -
Enveloppes de plein air -
Partie 2: Dimensions de coordination
(CEI 61969-2:2011)

Mechanische Bauweisen für elektronische
Einrichtungen -
Außengehäuse -
Teil 2: Koordinationsmaße
(IEC 61969-2:2011)

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CENELEC

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

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Foreword

The text of document 48D/482/FDIS, future edition 2 of IEC 61969-2, 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 approved by CENELEC as EN 61969-2:2012.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2012-09-22
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2014-12-22

This document supersedes EN 61969-2:2000, EN 61969-2-1:2000 and EN 61969-2-2:2000.

EN 61969-2:2012 includes the following significant technical changes with respect to EN 61969-2:2000:

It was the intention when EN 61969-2:2000 was created that a sectional standard is to be followed by a detail standard, consisting of EN 61969-2-1 and EN 61969-2-2.

The intention of detail standards was to create a recommended but cost-effective range of outdoor enclosure solutions offered from multiple vendors. However, it became evident that the outdoor enclosure applications were extremely application specific and the intended effect became irrelevant.

Consequently, EN 61969-2-1 and EN 61969-2-2 became obsolete and will be withdrawn at the time when EN 61969-2:2012 is published.

To provide for a useful outdoor enclosure installation matrix EN 61969-2:2012 focuses on overall outdoor enclosure co-ordination dimension only.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 61969-2:2011 was approved by CENELEC as a European Standard without any modification.

Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60917-2	-	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	EN 60917-2	-

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MECHANICAL STRUCTURES FOR ELECTRONIC EQUIPMENT – OUTDOOR ENCLOSURES –

Part 2: Coordination dimensions

1 Scope

This part of IEC 61969 applies to the design of enclosures for outdoor applications for stationary use at non-weatherprotected locations as defined in IEC 61969-1 Ed.2.0.

The internal and external coordination dimensions are derived from IEC 60917-2. The internal dimensions meet the mounting dimensions of subracks in accordance with IEC 60917-2-2 and IEC 60297-3. The external dimensions, compared to IEC 60917-2, are partly increased in order to meet the design requirements of the outdoor specific conditions.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60917-2, *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*

3 Arrangement overview

An example of an outdoor enclosure is given in Figure 1. Application specific roofs and/or bases/plinth, cable entry/exit and external mounted cable entry or cable management boxes are not covered by this standard.