



**BSI Standards Publication**

## **Wearable electronic devices and technologies**

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Part 201-3: Electronic textile — Determination of electrical resistance of conductive textiles under simulated microclimate

## National foreword

This British Standard is the UK implementation of EN IEC 63203-201-3:2021. It is identical to IEC 63203-201-3:2021.

The UK participation in its preparation was entrusted to Technical Committee AMT/9, Printed Electronics.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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### Amendments/corrigenda issued since publication

| Date | Text affected |
|------|---------------|
|------|---------------|

English Version

**Wearable electronic devices and technologies - Part 201-3:  
Electronic textile - Determination of electrical resistance of  
conductive textiles under simulated microclimate  
(IEC 63203-201-3:2021)**

Technologies et dispositifs électroniques prêts-à-porter -  
Partie 201-3: Textile électronique - Détermination de la  
résistance électrique des textiles conducteurs sous  
microclimat simulé  
(IEC 63203-201-3:2021)

Tragbare elektronische Geräte und Technologien - Teil 201-  
3: Elektronische Textilien - Bestimmung des elektrischen  
Widerstandes von leitfähigen Textilien unter simuliertem  
Mikroklima  
(IEC 63203-201-3:2021)

This European Standard was approved by CENELEC on 2021-05-12. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

## **European foreword**

The text of document 124/136/FDIS, future edition 1 of IEC 63203-201-3, prepared by IEC/TC 124 "Wearable electronic devices and technologies" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63203-201-3:2021.

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) 2022-02-12
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-05-12

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## **Endorsement notice**

The text of the International Standard IEC 63203-201-3:2021 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

ISO 8388:1998    NOTE    Harmonized as EN ISO 8388:2003 (not modified)

## Annex ZA (normative)

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

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

| <u>Publication</u> | <u>Year</u> | <u>Title</u>                                                                                                                                                                  | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------|
| ISO 139            | -           | Textiles - Standard atmospheres for conditioning and testing                                                                                                                  | EN ISO 139   | -           |
| ISO 11092          | 2014        | Textiles - Physiological effects - Measurement of thermal and water-vapour resistance under steady-state conditions (sweating guarded-hotplate test)                          | EN ISO 11092 | 2014        |
| ISO 21232          | 2018        | Textiles - Determination of moisturizing effect of textile materials by measurement of microclimate between textiles and simulated human skin using sweating guarded hotplate | -            | -           |
| -                  | -           | Textiles and textile products - Electrically conductive textiles - Determination of the linear electrical resistance of conductive tracks                                     | EN 16812     | 2016        |

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