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SANS 60529:2013
Edition 1.2 and IEC corr. 1, 2

IEC 60529:2013
Edition 2.2 and corr. 1, 2

SOUTH AFRICAN NATIONAL STANDARD

Degrees of protection provided by enclosures (IP Code)

This national standard is the identical implementation of IEC 60529:2013, and IEC corrigenda 1, 2, and is adopted with the permission of the International Electrotechnical Commission.

WARNING
This document references other documents normatively.

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Table of changes

Change No.	Date	Scope
Nat. amdt 1	1997	Has been amended to draw attention to the existence of another specification that contains national deviations from this standard.
IEC amdt 1	1999	Has been amended to change the standard to a mark specification, to add normative references, and bibliography, and to change certain requirements.
Nat. amdt 2	2001	Has been amended to change the mark and to delete a paragraph in the national forward.
IEC corr. 1	2003	Not applicable to the English text.
Nat. amdt 3	2006	Amended to change the designation from SABS to SANS, with no technical changes.
IEC corr. 2	2007	Not applicable to the English text.
IEC corr. 3	2009	Corrected Figure 5 – Hand-held device to verify protection against spraying and splashing water; second characteristic numerals 3 and 4 (spray nozzle).
IEC amdt 2	2013	Amended to update the introduction, the scope, normative references, requirements for the arrangement of the IP Code, the table on degrees of protection against access to hazardous parts indicated by the first characteristic numeral, to correct cross referencing, to update requirements for degrees of protection against ingress of water indicated by the second characteristic numeral, tests for protection against solid foreign objects indicated by the first characteristic numeral, tests for protection against water indicated by the second characteristic numeral, tests for protection against access to hazardous parts indicated by the additional letter, requirements in the annex on the summary of responsibilities of relevant technical committees (annex B), and to update the bibliography.
IEC corr. 1	2013	Amended to update the requirements on a clause to test for second characteristic numeral 9 by high pressure and temperature water jetting.
IEC corr. 2	2015	Corrected to change the tolerances on dimensions without specific tolerance on a figure for jointed test finger.

National foreword

This South African standard was prepared by National Committee SABS/TC 065, *Explosion prevention*, in accordance with procedures of the South African Bureau of Standards, in compliance with annex 3 of the WTO/TBT agreement.

This document was approved for publication in March 2017.

This document supersedes SANS 60529:2001 (edition 1.2).

Compliance with this document cannot confer immunity from legal obligations.

Reaffirmed and reprinted in October 2018.
This document will be reviewed every five years and be reaffirmed, amended, revised or withdrawn.

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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IEC 60529
Edition 2.2 2013-08

Degrees of protection provided by enclosures (IP Code)

IEC 60529
Édition 2.2 2013-08

Degrés de protection procurés par les enveloppes (Code IP)

CORRIGENDUM 2

Figure 1 – Jointed test finger

Tolerances on dimensions without specific tolerance:

Replace " on angles: 0/–10° " *by* " on angles: 0/–10’ ".

Figure 1 – Doigt d’épreuve articulé

Tolérances des dimensions sans indication de tolérance:

Remplacer " sur les angles: 0/–10° " *par* " sur les angles: 0/–10’ ".