



SLOVENSKI STANDARD
SIST EN IEC 63180:2021/oprA1:2024
01-marec-2024

Metode merjenja in deklariranje območja zaznavanja detektorjev - Pasivni infrardeči javljalniki zaznavanja večjih in manjših gibov- Dopolnilo 1

Methods of measurement and declaration of the detection range of detectors - Passive infrared detectors for major and minor motion detection - Amendment 1

Verfahren zur Messung und Bestimmung des Erfassungsbereichs von Meldern - Passive Infrarotmelder für die Erfassung großer und kleiner Bewegungen

Méthodes de mesure et qualification de la plage de détection des détecteurs - Détecteurs infrarouges passifs pour la détection de mouvements de forte et de faible amplitude

Ta slovenski standard je istoveten z: EN IEC 63180:2020/prA1:2024

ICS:

| | | |
|-----------|-----------------------------------|--------------------------------------|
| 13.320 | Alarmni in opozorilni sistemi | Alarm and warning systems |
| 29.120.40 | Stikala | Switches |
| 97.120 | Avtomatske krmilne naprave za dom | Automatic controls for household use |

SIST EN IEC 63180:2021/oprA1:2024 en,fr,de



23B/1491/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

| | |
|-----------------------------------------------------------|-----------------------------------------------|
| PROJECT NUMBER: IEC 63180/AMD1 ED1 | |
| DATE OF CIRCULATION: 2024-01-26 | CLOSING DATE FOR VOTING: 2024-04-19 |
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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| IEC SC 23B : PLUGS, SOCKET-OUTLETS AND SWITCHES | |
| SECRETARIAT: Italy | SECRETARY: Mr Cristiano Masini |
| OF INTEREST TO THE FOLLOWING COMMITTEES: TC 34 | PROPOSED HORIZONTAL STANDARD: <input type="checkbox"/> Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary. |
| FUNCTIONS CONCERNED: <input checked="" type="checkbox"/> EMC <input type="checkbox"/> ENVIRONMENT <input type="checkbox"/> QUALITY ASSURANCE <input checked="" type="checkbox"/> SAFETY | |
| <input checked="" type="checkbox"/> SUBMITTED FOR CENELEC PARALLEL VOTING Attention IEC-CENELEC parallel voting The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting. The CENELEC members are invited to vote through the CENELEC online voting system. | <input type="checkbox"/> NOT SUBMITTED FOR CENELEC PARALLEL VOTING |

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TITLE:

Amendment 1 - Methods of measurement and declaration of the detection range of detectors - Passive infrared detectors for major and minor motion detection

PROPOSED STABILITY DATE: 2028

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

METHODS OF MEASUREMENT AND DECLARATION OF THE DETECTION RANGE OF DETECTORS –

Passive infrared detectors for major and minor motion detection

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International Standard IEC 63180 Amendment 1 has been prepared by subcommittee 23B: Plugs, socket-outlets and switches, of IEC technical committee 23: Electrical accessories.

This amendment includes the following significant technical changes with respect to edition 1:

- a) Improvement of general tolerances of the test environment and test equipment;
- b) Definition of the rotating point of the test arm;
- c) Addition of the recommended mounting heights for performing the tests;
- d) Addition of acceleration and deceleration speeds for scaled dummies;
- e) Modification of the pre-conditioning test at minimum and maximum declared ambient temperature with new performance criteria;
- f) Addition of an alternative test procedure for large tangential major motion detection areas.

The text of this International Standard is based on the following documents:

| | |
|---------------|------------------|
| FDIS | Report on voting |
| 23B/xxxx/FDIS | 23B/xxxx/RVD |

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54 Full information on the voting for the approval of this International Standard can be found in the
55 report on voting indicated in the above table.

56 This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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58 **METHODS OF MEASUREMENT AND DECLARATION**
 59 **OF THE DETECTION RANGE OF DETECTORS –**
 60
 61 **Passive infrared detectors for major and minor motion detection**
 62

63 **4. General requirements on tests**

64 *Add to the last paragraph:*

65 NOTE For more repeatable measurements it is recommended to use the automated test procedure.

66 **5 Test environment**

67 *Replace the tenth paragraph by:*

68 The test room temperature and the temperature of the walls, ceiling and floor shall be stable
 69 during the tests within a tolerance of:

70 - ± 2 K for manual tests

71 - $\pm 1,5$ K for automated tests

72 **6 Test equipment**

73 **6.2 Test dummies for major motion detection when using automated test systems**

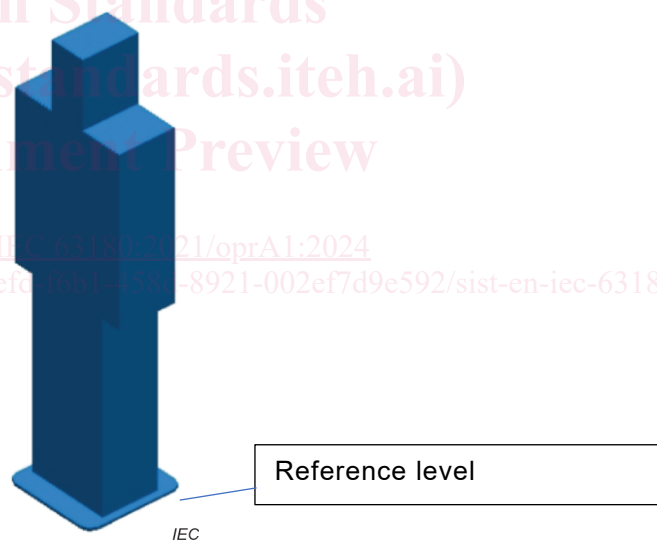
74 *Replace Figure 4 by:*

75

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Figure 4 – Test dummy perspective view

78 *Replace the fifth, sixth, seventh and eighth paragraph by.*

79 The body and legs are heated to a temperature of (7 ± 1) K above the ambient temperature of
 80 the test room.

81 NOTE 1 The shoulders are part of the body.

82 All test sides of the dummies shall be heated except the bottom side which are not relevant for
 83 the test.

84 The temperature of the surface for each zone of the dummy shall be homogeneous and the
 85 spread shall be ≤ 5 K.