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IEC 62790: 2020

# DRAFT TANZANIA STANDARD

(Draft for comments only)

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**Junction boxes for photovoltaic modules - Safety requirements and tests**

Draft for Public Comments Only

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**TANZANIA BUREAU OF STANDARDS**

## **0 National Foreword**

This draft Tanzania Standard is being prepared by the Renewable Energy Technical Committee, under the supervision of the Electrotechnical Divisional Standards Committee (EDC)

This draft Tanzania Standard is an adoption of the International Standard IEC **62790:2020**, *Junction boxes for photovoltaic modules - Safety requirements and tests*, which has been prepared by the International Electrotechnical Commission (IEC).

### **Terminology and conventions**

Some terminologies and certain conventions are not identical with those used in Tanzania Standards; Attention is drawn especially to the following:

- 1) The comma has been used as a decimal marker for metric dimensions. In Tanzania Standards, it is current practice to use “full point” on the baseline as the decimal marker.
- 2) Where the words “International Standard(s)” appear, referring to this standard they should read “Tanzania Standard(s)”.

### **3 Scope**

This document describes safety requirements, constructional requirements and tests for junction boxes up to 1 500 V DC for use on photovoltaic modules in accordance with class II. This document applies also to enclosures mounted on PV-modules containing electronic circuits for converting, controlling, monitoring or similar operations.

Additional requirements concerning the relevant operations are applied under consideration of the environmental conditions of the PV-modules. This document does not apply to the electronic circuits of these devices, for which other standards apply.

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