



PCD 780-2-41:2026
IEC 60335-2-41:2024

DRAFT ZANZIBAR NATIONAL STANDARD

**Household and similar electrical appliances – Safety – Part 2-41:
Particular requirements for pumps**

DRAFT STANDARD FOR PUBLIC COMMENTS

ZANZIBAR BUREAU OF STANDARDS

National foreword

ZBS is in the process of adopting, IEC 60335-2-41:2024 Household and similar electrical appliances – Safety – Part 2-41: Particular requirements for pumps, under the Electrical and Electronics Standard Technical committee. In accordance with ZBS general procedures, this draft standard is presented to the public in order to receive any technical comment concerns.

Technical Committee Representatives

This Draft Zanzibar National Standard was prepared by Electrical and Electronics Standard Technical committee which consists of representatives from the following organizations:

Zanzibar Electricity Corporation (ZECO)
Department of Energy (DoEM)
Zanzibar National Chamber of Commerce, (ZNCC)
Kilimanjaro Cable(T) LTD
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Household and similar electrical appliances – Safety – Part 2-41: Particular requirements for pumps

Scope

This clause of Part 1 is replaced by the following.

This part of IEC 60335 deals with the safety of electric pumps for liquids having a temperature not exceeding 90 °C, intended for household and similar purposes, their rated voltage being not more than 250 V for single-phase appliances and 480 V for other appliances including direct current (DC) supplied appliances and battery-operated appliances.

Examples of appliances within the scope of this standard are

- aquarium pumps;
- garden pond pumps;
- shower-boost pumps;
- sludge pumps;
- submersible pumps;
- table fountain pumps;
- vertical wet pit pumps.

Appliances not intended for normal household use, but that nevertheless can be a source of danger to the public, such as appliances intended to be used by laymen in shops, in light industry and on farms, are within the scope of this standard.

As far as is practicable, this standard deals with the common hazards presented by appliances that are encountered by all persons in and around the home. However, in general, it does not take into account

- persons (including children) whose
 - physical, sensory or mental capabilities; or
 - lack of experience and knowledge
 prevents them from using the appliance safely without supervision or instruction;
- children playing with the appliance.

Attention is drawn to the fact that

- for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements can be necessary;
- in many countries additional requirements are specified by the national health authorities, the national authorities responsible for the protection of labour and similar authorities.

This standard does not apply to

- stationary circulation pumps for heating and service water installations (IEC 60335-2-51);
- pumps for flammable liquids;
- pumps intended exclusively for industrial purposes;
- pumps intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas);
- pumps incorporating chlorinators of the electrolytic type.

Pumps incorporated in appliances are not covered by this standard unless a specific reference is made.

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