



# **MALAYSIAN STANDARD**

**MS IEC 60335-2-41:2005**

**HOUSEHOLD AND SIMILAR ELECTRICAL  
APPLIANCES - SAFETY - PART 2-41:  
PARTICULAR REQUIREMENTS FOR PUMPS  
(FIRST REVISION)  
(IEC 60335-2-41:2004, IDT)**

**ICS: 13.120, 97.180, 23.080**

Descriptors: domestic safety, miscellaneous domestic and commercial equipment, pumps

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## **Committee representation**

The Electrotechnical Industry Standards Committee (ISC E) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia  
Department of Standards Malaysia  
Federation of Malaysian Consumers Association  
Federation of Malaysian Manufacturers  
Jabatan Kerja Raya  
Malaysian Electrical Appliances and Distributors Association  
Malaysian Electric Cable Manufacturers Association  
Ministry of Domestic Trade and Consumer Affairs  
Ministry of International Trade and Industry  
Pusat Tenaga Malaysia  
Suruhanjaya Komunikasi dan Multimedia Malaysia  
Suruhanjaya Tenaga  
The Electrical and Electronics Association of Malaysia  
The Institution of Engineers, Malaysia  
Universiti Teknologi Malaysia

The Technical Committee on Safety of Household and Similar Electrical Appliances which supervised the development of this Malaysian Standard consists of representatives from the following organisations:

Federation of Malaysian Manufacturers  
Jabatan Kerja Raya  
Khind Industries Sdn Bhd  
Malaysian Electrical Appliances and Distributors Association  
Ministry of Domestic Trade and Consumer Affairs  
OYL Industries Sdn Bhd  
Sharp Electronics (M) Sdn Bhd  
SIRIM Berhad (Secretariat)  
SIRIM QAS International Sdn Bhd (Electrotechnical Testing Section)  
SIRIM QAS International Sdn Bhd (Product Certification Section)  
Suruhanjaya Tenaga  
The Electrical and Electronics Association of Malaysia  
Universiti Teknologi MARA

The Working Group on Household Electrical Motor Appliances which developed this Malaysian Standard consists of representatives from the following organisations:

Federation of Malaysian Manufacturers  
Khind Industries Sdn Berhad  
Matsushita Electric Company (M) Bhd  
SIRIM Berhad (Secretariat)  
SIRIM QAS International Sdn Bhd (Electrotechnical Testing Section)  
SIRIM QAS International Sdn Bhd (Product Certification Section)  
Suruhanjaya Tenaga  
TNB Research Sdn Bhd

## MS IEC 60335-2-41:2005

### NATIONAL FOREWORD

This Malaysian Standard was developed by the Working Group on Household Electrical Motor Appliances under the authority of the Electrotechnical Industry Standards Committee.

This Malaysian Standard is identical with IEC 60335-2-41:2002, *Household and similar electrical appliances – safety – Part 2-41: Particular requirements for pumps*, published by the International Electrotechnical Commission (IEC). However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, “this International Standard” should read “this Malaysian Standard”;  
and
- b) the comma which is used as decimal sign (if any), to read as a point.

This Malaysian Standard shall be used in conjunction with MS IEC 60335-1:2003, *Household and similar electrical appliances – Safety – Part 1: General requirements*.

This Malaysian Standard cancels and replaces MS IEC 60335-2-41, *Household and similar electrical appliances – safety – Part 2-41: Particular requirements for pumps*.

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

NOTE. IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, wording and presentation of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21.