



MALAYSIAN STANDARD

MS IEC 60898-1:2007
(CONFIRMED:2015)

**Electrical accessories - Circuit-breakers for
overcurrent protection for household and
similar installations - Part 1: Circuit-breakers
for a.c. operation
(First revision)
(IEC 60898-1:2003, IDT)**

ICS: 29.120.50

Descriptors: fuses and other overcurrent protection devices

NOTE. This Malaysian Standard has been reviewed and confirmed as being current.

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The Electrotechnical-1 Industry Standards Committee (ISC E) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia
Department of Standards Malaysia
Federation of Malaysian Manufacturers
Independent Power Producer
Jabatan Kerja Raya Malaysia
Kementerian Perdagangan Dalam Negeri dan Hal Ehwal Pengguna
Malaysian Cable Manufacturers Association
Malaysian Electrical Appliances and Distributors Association
Ministry of International Trade and Industry
Persatuan Pengguna-Pengguna Standard Malaysia
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Suruhanjaya Komunikasi dan Multimedia Malaysia
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Tenaga Nasional Berhad
The Electrical and Electronics Association of Malaysia
The Institution of Engineers, Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Low Voltage Switchgears, Controlgears and Wiring Accessories which recommends adoption the IEC Standard consists of representatives from the following organisations:

ABB Installations materials (East Asia) Pte Ltd
Association of Consulting Engineers Malaysia
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Hager Engineering (M) Sdn Bhd
Jabatan Kerja Raya Malaysia
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SIRIM QAS International Sdn Bhd (Product Certification and Inspection Section)
Suruhanjaya Tenaga
The Electrical and Electronics Association of Malaysia
TNB Distribution Division
TNB Research Sdn Bhd
Universiti Malaya

The Working Group on Circuit Breaker and Similar Equipment for Household Use which recommends adoption of the IEC Standard consists of representatives from the following organisations:

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Association of Consulting Engineers Malaysia
Clipsal International Pte Ltd
Hager Engineering (M) Sdn Bhd
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SIRIM QAS International Sdn Bhd (Product Certification and Inspection Section)
Suruhanjaya Tenaga
Time Era Sdn Bhd
TNB Distribution Division

NATIONAL FOREWORD

The adoption of the IEC Standard as a Malaysian Standard was recommended by the Working Group on Circuit Breakers and Similar Equipment for Household Use under the authority of the Electrotechnical-1 Industry Standards Committee.

This Malaysian Standard is the first revision of MS IEC 60898-1:2003, *Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 1: Circuit-breakers for a.c. operation*.

This Malaysian Standard is identical with IEC 60898-1:2003, *Circuit-breakers for overcurrent protection for household and similar installations —Part 1: Circuit-breakers for a.c. operation*, published by the International Electrotechnical Commission (IEC). However, for the purposes of this Malaysian Standard, the following apply:

- a) the distribution voltage to consumer installation in Malaysia is 240 V for single phase and 415 V for three-phase. The voltage tolerances are +5 % – 10 %;
- b) in the source text, “this International Standard” should read “this Malaysian Standard”;
- c) the comma which is used as a decimal sign (if any), to read as a point; and
- d) the basis IEC 60898-1 is printed in English and French languages. However, only the English version is retained for this Malaysian Standard.

This Malaysian Standard cancels and replaces MS IEC 60898-1:2003.

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, and wording (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21-1.

INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRICAL ACCESSORIES – CIRCUIT-BREAKERS FOR OVERCURRENT PROTECTION FOR HOUSEHOLD AND SIMILAR INSTALLATIONS –

Part 1: Circuit-breakers for a.c. operation

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 60898-1 has been prepared by sub-committee 23E: Circuit-breakers and similar equipment for household use, of IEC technical committee 23: Electrical accessories.

This consolidated version of IEC 60898-1 is based on the first edition (2002) [documents 23E/470/FDIS and 23E/478/RVD], its amendment 1 (2002) [documents 23E/484/FDIS and 23E/492/RVD] and its amendment 2 (2003) [documents 23E/521/FDIS and 23E/525/RVD].

It bears the edition number 1.2.

A vertical line in the margin shows where the base publication has been modified by amendments 1 and 2.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 3.

Annexes B, C, E, H, I, J, K and L form an integral part for this standard.

Annexes A, D, F and G are for information only.

In this standard, the following print types are used:

- Requirements proper: in roman type.
- *Test specifications: in italic type.*
- Explanatory matter: in smaller roman type.

The committee has decided that the contents of the base publication and its amendment 1 and 2 will remain unchanged until 2007. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

Preview Only