



MALAYSIAN STANDARD

MS IEC 60898-3:2022

**Electrical accessories – Circuit-breakers
for overcurrent protection for household
and similar installations – Part 3: Circuit-
breakers for DC operation
(IEC 60898-3:2019/AMD1:2022 CSV, IDT)
(Published by Department of Standards
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ICS: 29.120.50

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DEPARTMENT OF STANDARDS MALAYSIA

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For further information on Malaysian Standards, please contact:

Department of Standards Malaysia
Level 4 – 7, Tower 2, Menara Cyber Axis
Jalan Impact, Cyber 6
63000 Cyberjaya
Selangor Darul Ehsan
MALAYSIA

Tel: 60 3 8008 2900
Fax: 60 3 8008 2901
<http://www.jsm.gov.my>
E-mail: central@jsm.gov.my

Committee representation

The National Standards Committee on Generation, Transmission and Distribution of Energy (NSC 05) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organizations:

Association of Consulting Engineers Malaysia
Department of Standards Malaysia (Secretariat)
Federation of Malaysian Manufacturers
Federation of Malaysian Consumers Association
Jabatan Kerja Raya
Malaysian Cable Manufacturers Association
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The Electrical and Electronics Association of Malaysia
The Institution of Engineers, Malaysia
Universiti Malaya
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The Technical Committee on Renewable Energy (NSC 05/TC 5) which supervised the adoption of IEC Standard as Malaysian Standard consists of representatives from the following organizations:

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Grandtop High Voltage Technology Sdn.Bhd.
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Suruhanjaya Tenaga
Tenaga Nasional Berhad
The Electrical and Electronics Association of Malaysia
Universiti Malaya

The Working Group on Circuit-breakers and Similar Equipment for Household Use (NSC 05/TC 5/WG 1) which recommended the adoption of the IEC Standard as Malaysian Standard consists of representatives from the following organizations:

Akademi Binaan Malaysia (Wilayah Tengah)
Association of Consulting Engineers Malaysia
Clipsal (M) Sdn Bhd
Department of Standards Malaysia (Secretariat)
Grandtop High Voltage Technology Sdn Bhd
Hager Engineering (M) Sdn Bhd
Jabatan Kerja Raya Malaysia
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SIRIM QAS International Sdn Bhd
Suruhanjaya Tenaga
The Electrical and Electronics Association of Malaysia
The Institution of Engineers, Malaysia

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National foreword

This Malaysian Standard was developed by the Working Group on Circuit Breaker and Similar Equipment for Household Use (NSC 05/TC 5/WG 1) under the authority of The National Standards Committee on Generation, Transmission and Distribution of Energy (NSC 05).

This Malaysian Standard is identical with IEC 60898-3:2019+AMD1:2022 CSV, *Electrical accessories - Circuit-breakers for overcurrent protection for household and similar installations - Part 3: Circuit-breakers for DC operation*, 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";
- b) the comma which is used as a decimal sign (if any), to read as a point; and
- c) reference to International Standards should be replaced by corresponding Malaysian Standards as follows:

<u>Referenced International Standards</u>	<u>Corresponding Malaysian Standards</u>
IEC 60269-1, <i>Low-voltage fuses - Part 1: General requirements</i>	MS 60269-1, <i>Low-voltage fuses - Part 1: General requirements</i>
IEC 60269-2, <i>Low-voltage fuses - Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) - Examples of standardized systems of fuses A to K</i>	MS 60269-2, <i>Low-voltage fuses - Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) - Examples of standardized systems of fuses A to K</i>
IEC 60269-3, <i>Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household or similar applications) - Examples of standardized systems of fuses A to F</i>	MS 60269-3, <i>Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household or similar applications) - Examples of standardized systems of fuses A to F</i>
IEC 60269-4, <i>Low-voltage fuses - Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices</i>	MS IEC 60269-4, <i>Low-voltage fuses - Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices</i>
IEC TR 60269-5, <i>Low-voltage fuses - Part 5: Guidance for the application of low-voltage fuses</i>	MS 60269-5, <i>Low-voltage fuses - Part 5: Guidance for the application of low-voltage fuses</i>

National foreword (*continued*)

Referenced International Standards

Corresponding Malaysian Standards

IEC 60529, *Degrees of protection provided by enclosures (IP Code)*

MS IEC 60529, *Degrees of Protection provided by Enclosures (IP Code)*

IEC 60664-1, *Insulation coordination for equipment within low-voltage supply systems - Part 1: Principles, requirements and tests*

MS IEC 60664-1, *Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests*

IEC 60947-2, *Low-voltage switchgear and controlgear - Part 2: Circuit-breakers*

MS IEC 60947-2, *Low-Voltage Switchgear and Controlgear - Part 2: Circuit-Breakers*

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 21-1:2005.