



# MALAYSIAN STANDARD

MS IEC 62271-200:2017

**High-voltage switchgear and controlgear -  
Part 200: AC metal-enclosed switchgear and  
controlgear for rated voltages above 1 kV and  
up to and including 52 kV  
(First revision)  
(IEC 62271-200:2011, IDT)**

**ICS: 29.130.10**

Descriptors: high-voltage, switchgear, controlgear, AC metal-enclosed, rated voltages above 1kV,  
up to and including 52 kV

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**DEPARTMENT OF STANDARDS MALAYSIA**

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**Department of Standards Malaysia**  
Ministry of Science, Technology and Innovation  
Level 1 & 2, Block 2300, Century Square  
Jalan Usahawan  
63000 Cyberjaya  
Selangor Darul Ehsan  
MALAYSIA

Tel: 60 3 8318 0002  
Fax: 60 3 8319 3131  
<http://www.jsm.gov.my>  
E-mail: [central@jsm.gov.my](mailto:central@jsm.gov.my)

OR **SIRIM Berhad**  
(Company No. 367474 - V)  
1, Persiaran Dato' Menteri  
Section 2, P. O. Box 7035  
40700 Shah Alam  
Selangor Darul Ehsan  
MALAYSIA

Tel: 60 3 5544 6000  
Fax: 60 3 5510 8095  
<http://www.sirim.my>  
E-mail: [msonline@sirim.my](mailto:msonline@sirim.my)

## CONTENTS

|   |     |
|---|-----|
| Committee representation .....  | iv  |
| National foreword .....   | v   |
| FOREWORD .....  | vii |
| 1 General .....   | 7   |
| 1.1 Scope .....   | 7   |
| 1.2 Normative references .....  | 8   |
| 2 Normal and special service conditions .....   | 8   |
| 3 Terms and definitions .....   | 9   |
| 4 Ratings .....   | 15  |
| 4.1 Rated voltage ( $U_r$ ) .....   | 15  |
| 4.2 Rated insulation level .....  | 16  |
| 4.3 Rated frequency ( $f_r$ ) .....   | 16  |
| 4.4 Rated normal current and temperature rise .....   | 16  |
| 4.5 Rated short-time withstand currents ( $I_k$ ) .....   | 16  |
| 4.6 Rated peak withstand current ( $I_D$ ) .....  | 16  |
| 4.7 Rated durations of short circuit ( $t_k$ ) .....  | 17  |
| 4.8 Rated supply voltage of closing and opening devices and of auxiliary and control circuits ( $U_a$ ) ..... | 17  |
| 4.9 Rated supply frequency of closing and opening devices and of auxiliary circuits .....                     | 17  |
| 4.10 Rated pressure of compressed gas supply for controlled pressure systems .....                            | 17  |
| 4.11 Rated filling levels for insulation and/or operation .....   | 17  |
| 4.101 Ratings of the internal arc classification (IAC) .....  | 17  |
| 4.102 Rated cable test voltages .....   | 19  |
| 5 Design and construction .....   | 19  |
| 5.1 Requirements for liquids in switchgear and controlgear .....  | 19  |
| 5.2 Requirements for gases in switchgear and controlgear .....  | 19  |
| 5.3 Earthing of switchgear and controlgear .....  | 20  |
| 5.4 Auxiliary and control equipment .....   | 21  |
| 5.5 Dependent power operation .....   | 21  |
| 5.6 Stored energy operation .....   | 21  |
| 5.7 Independent manual or power operation (independent unlatched operation) .....                             | 21  |
| 5.8 Operation of releases .....   | 21  |
| 5.9 Low- and high-pressure interlocking and monitoring devices .....  | 21  |
| 5.10 Nameplates .....   | 21  |
| 5.11 Interlocking devices .....   | 23  |
| 5.12 Position indication .....  | 23  |
| 5.13 Degrees of protection by enclosures .....  | 24  |
| 5.14 Creepage distances for outdoor insulators .....  | 24  |
| 5.15 Gas and vacuum tightness .....   | 24  |
| 5.16 Liquid tightness .....   | 24  |
| 5.17 Fire hazard (flammability) .....   | 24  |
| 5.18 Electromagnetic compatibility (EMC) .....  | 24  |
| 5.19 X-ray emission .....   | 24  |
| 5.20 Corrosion .....  | 24  |
| 5.101 Internal arc fault .....  | 25  |
| 5.102 Enclosure .....   | 25  |
| 5.103 High-voltage compartments .....   | 27  |

|       |  |    |
|-------|--|----|
| 5.104 | Removable parts .....  | 30 |
| 5.105 | Provisions for dielectric tests on cables .....                                      | 30 |
| 6     | Type tests .....   | 31 |
| 6.1   | General .....  | 31 |
| 6.2   | Dielectric tests .....   | 32 |
| 6.3   | Radio interference voltage (r.i.v.) test .....                                       | 35 |
| 6.4   | Measurement of the resistance of circuits .....                                      | 35 |
| 6.5   | Temperature-rise tests .....   | 36 |
| 6.6   | Short-time withstand current and peak withstand current tests .....                  | 37 |
| 6.7   | Verification of the protection .....   | 38 |
| 6.8   | Tightness tests .....  | 39 |
| 6.9   | Electromagnetic compatibility tests (EMC) .....                                      | 39 |
| 6.10  | Additional tests on auxiliary and control circuits .....                             | 39 |
| 6.11  | X-radiation test procedures for vacuum interrupters .....                            | 40 |
| 6.101 | Verification of making and breaking capacities .....                                 | 40 |
| 6.102 | Mechanical operation tests .....   | 41 |
| 6.103 | Pressure withstand test for gas-filled compartments .....                            | 42 |
| 6.104 | Tests to verify the protection of persons against dangerous electrical effects ..... | 43 |
| 6.105 | Weatherproofing test .....   | 44 |
| 6.106 | Internal arc test .....  | 44 |
| 7     | Routine tests .....  | 47 |
| 7.1   | Dielectric test on the main circuit .....  | 48 |
| 7.2   | Tests on auxiliary and control circuits .....  | 48 |
| 7.3   | Measurement of the resistance of the main circuit .....                              | 48 |
| 7.4   | Tightness test .....   | 48 |
| 7.5   | Design and visual checks .....   | 48 |
| 7.101 | Partial discharge measurement .....  | 48 |
| 7.102 | Mechanical operation tests .....   | 49 |
| 7.103 | Pressure tests of gas-filled compartments .....                                      | 49 |
| 7.104 | Tests of auxiliary electrical, pneumatic and hydraulic devices .....                 | 49 |
| 7.105 | Tests after erection on site .....   | 49 |
| 7.106 | Measurement of fluid condition after filling on site .....                           | 50 |
| 8     | Guide to the selection of switchgear and controlgear .....                           | 50 |
| 8.101 | General .....  | 50 |
| 8.102 | Selection of rated values .....  | 50 |
| 8.103 | Selection of design and construction .....   | 50 |
| 8.104 | Internal arc fault .....   | 55 |
| 8.105 | Summary of technical requirements, ratings and optional tests .....                  | 59 |
| 8.106 | Ratings of earthing circuits .....   | 61 |
| 8.107 | Ratings for cable testing .....  | 61 |
| 9     | Information to be given with enquiries, tenders and orders .....                     | 61 |
| 9.1   | Information with enquiries and orders .....  | 61 |
| 9.2   | Information with tenders .....   | 62 |
| 10    | Transport, storage, installation, operation and maintenance .....                    | 63 |
| 10.1  | Conditions during transport, storage and installation .....                          | 63 |
| 10.2  | Installation .....   | 63 |
| 10.3  | Operation .....  | 63 |

|   |    |
|---|----|
| 10.4 Maintenance .....  | 63 |
| 11 Safety .....   | 63 |
| 11.101 Procedures .....   | 64 |
| 11.102 Internal arc aspects .....   | 64 |
| 12 Influence of the product on the environment .....  | 64 |
| Annex AA (normative) Internal arc fault – Method to verify the internal arc classification (IAC) .....  | 65 |
| Annex BB (normative) Partial discharge measurement .....  | 80 |
| Annex CC (informative) Regional deviations .....  | 86 |
| Bibliography .....  | 87 |
| <br>  |    |
| Figure 101 – LSC1 .....   | 54 |
| Figure 102 – LSC2 .....   | 54 |
| Figure 103 – LSC2 .....   | 54 |
| Figure 104 – LSC2A .....  | 54 |
| Figure 105 – LSC2B .....  | 54 |
| Figure 106 – LSC2B .....  | 54 |
| Figure AA.1 – Mounting frame for vertical indicators .....  | 73 |
| Figure AA.2 – Horizontal indicator .....  | 73 |
| Figure AA.3 – Position of the indicators .....  | 74 |
| Figure AA.4 – Room simulation and indicator positioning for accessibility A, classified rear side, functional unit of any height .....                          | 75 |
| Figure AA.5 – Room simulation and indicator positioning for accessibility B, classified rear side, functional unit greater than or equal to 1 900 mm high ..... | 76 |
| Figure AA.6 – Room simulation and indicator positioning for accessibility B, classified rear side, functional unit less than 1 900 mm high .....                | 77 |
| Figure AA.7 – Test arrangement for overhead connected pole-mounted switchgear and controlgear .....   | 78 |
| Figure AA.8 – Ceiling height stated from the floor or false floor level where the switchgear is actually placed .....   | 79 |
| Figure BB.1 – Partial discharge test circuit (three-phase arrangement) .....  | 84 |
| Figure BB.2 – Partial-discharge test circuit (system without earthed neutral) .....   | 85 |
| <br>  |    |
| Table 101 – Nameplate information .....   | 21 |
| Table 102 – Locations, causes and examples of measures to decrease the probability of internal arc faults .....   | 56 |
| Table 103 – Single phase-to-earth arc fault current depending on the network neutral earthing .....   | 58 |
| Table 104 – Summary of technical requirements, ratings and optional tests for metal-enclosed switchgear .....   | 59 |
| Table AA.1 – Parameters for internal fault test according to compartment construction .....   | 72 |
| Table BB.1 – Test circuits and procedures .....   | 83 |

## Committee representation

The Industry Standards Committee on Generation, Transmission and Distribution of Energy (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  
Jabatan Kerja Raya Malaysia  
Malaysia Nuclear Power Corporation  
Malaysian Association of Standards Users  
Malaysian Cable Manufacturers Association  
Malaysian Electrical Appliances and Distributors Association  
Malaysian Green Technology Corporation  
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Tenaga Nasional Berhad  
The Electrical and Electronics Association of Malaysia  
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The Technical Committee on High Voltage Power Transmission which supervised the adoption of the IEC Standard as Malaysian Standard consists of representatives from the following organisations:

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Malaysian National Committee of CIGRE  
SIRIM Berhad (Secretariat)  
Suruhanjaya Tenaga  
Syarikat SESCO Berhad  
Tenaga Nasional Berhad (Transmission Division)  
The Electrical and Electronics Association of Malaysia  
The Institution of Engineers, Malaysia  
Universiti Teknologi Malaysia

The Working Group on High Voltage Switchgear, Controlgear and Assemblies which recommended the adoption of the IEC Standard as Malaysian Standard consists of representatives from the following organisations:

ABB Malaysia Sdn Bhd  
Association of Consulting Engineers Malaysia  
Federation of Malaysian Manufacturers  
Jabatan Kerja Raya Malaysia  
Malaysian National Committee of CIGRE  
Malaysian National Committee of CIRED  
Petroleum Nasional Berhad  
SIRIM Berhad (Secretariat)  
Suruhanjaya Tenaga  
Tenaga Nasional Berhad (Distribution Division)  
Tenaga Nasional Berhad (Generation Division)  
Tenaga Nasional Berhad (Transmission Division)  
The Electrical and Electronics Association of Malaysia  
The Institution of Engineers, Malaysia  
Universiti Teknologi Malaysia

## National foreword

The adoption of the IEC Standard as a Malaysian Standard was recommended by the Working Group on High Voltage Switchgear, Controlgear and Assemblies under the authority of the Industry Standards Committee on Generation, Transmission and Distribution of Energy.

This Malaysian Standard is identical with IEC 62271-200:2011, *High-voltage switchgear and controlgear - Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV*, 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;
- c) the basis IEC 62271-200 is printed in English and French version. However, only the English version is retained for this Malaysian Standard;
- d) reference to International Standards should be replaced by corresponding Malaysian Standards as follows:

### Referenced International Standards

### Corresponding Malaysian Standards

IEC 60060-1, *High-voltage test techniques - Part 1: General definitions and test requirements*

MS IEC 60060-1, *High-voltage test techniques - Part 1: General definitions and test requirements*

IEC 60270, *High-voltage test techniques - Partial discharge measurements*

MS IEC 60270, *High-voltage test techniques - Partial discharge measurements*

IEC 60470, *High-voltage alternating current contactors and contactor-based motor-starters*

MS IEC 60470, *High-voltage alternating current contactors and contactor-based motor-starters*

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

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

IEC 62271-1, *High-voltage switchgear and controlgear - Part 1: Common specifications*

MS IEC 62271-1, *High-voltage switchgear and controlgear - Part 1: Common specifications*

IEC 62271-100, *High-voltage switchgear and controlgear - Part 100: Alternating-current circuit-breakers*

MS IEC 62271-100, *High-voltage switchgear and controlgear - Part 100: Alternating-current circuit-breakers*

IEC 62271-102, *High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches*

MS IEC 62271-102, *High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches*

**National foreword (continued)**Referenced International Standards

IEC 62271-105, *High-voltage switchgear and controlgear - Part 105: Alternating current switch-fuse combinations*

IEC 62271-201, *High-voltage switchgear and controlgear - Part 201: AC insulation-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV*

e) reference to International Standards in Bibliography should be replaced by corresponding Malaysian Standards as follows:

Referenced International Standards

IEC 60243-1, *Electrical strength of insulating materials - Test methods - Part 1: Tests at power frequencies*

IEC 62271-203, *High-voltage switchgear and controlgear - Part 203: Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV*

Corresponding Malaysian Standards

MS IEC 62271-105, *High-voltage switchgear and controlgear - Part 105: Alternating current switch-fuse combinations*

MS IEC 62271-201, *High-voltage switchgear and controlgear - Part 201: AC insulation-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV*

Corresponding Malaysian Standards

MS IEC 60243-1, *Electrical strength of insulating materials - Test methods - Part 1: Tests at power frequencies*

MS IEC 62271-203, *High-voltage switchgear and controlgear - Part 203: Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV*

This Malaysian Standard cancels and replaces MS IEC 62271-200:2005, *High-voltage switchgear and controlgear - Part 200: AC metal-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV*.

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.