

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**High-voltage switchgear and controlgear –
Part 214: Internal arc classification for AC metal-enclosed pole-mounted
switchgear and controlgear for rated voltages above 1 kV and up to and
including 52 kV**

**Appareillage à haute tension –
Partie 214 : Classification arc interne des appareillages sous enveloppe
métallique à courant alternatif de tensions assignées supérieures à 1 kV et
inférieures ou égales à 52 kV montées sur poteau**





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CONTENTS

FOREWORD.....	4
INTRODUCTION.....	6
1 Scope.....	7
2 Normative references	7
3 Terms and definitions	8
3.1 General terms and definitions	8
3.8 Index of definitions.....	10
4 Normal and special service conditions	11
5 Ratings.....	11
5.1 General.....	11
5.2 Rated voltage (U_r)	11
5.2.1 General	11
5.3 Rated insulation level (U_d, U_p, U_s)	11
5.4 Rated frequency (f_r).....	12
5.101 Ratings of the internal arc classification (IAC).....	12
5.101.1 General	12
5.101.2 Rated approach distance (D_{AP}).....	12
5.101.3 Rated arc fault currents (I_A, I_{Ae}).....	12
5.101.4 Rated arc fault duration (t_A, t_{Ae})	12
6 Design and construction	12
6.11 Nameplate	12
6.11.2 Application.....	12
6.101 Internal arc fault.....	13
6.102 Enclosure	13
7 Type tests	14
7.1 General.....	14
7.1.1 Basics	14
7.1.2 Information for identification of test object	15
7.1.3 Information to be included in type-test reports	15
7.101 Internal arc type test.....	16
7.101.1 General	16
7.101.2 Test conditions	16
7.101.3 Arrangement of the equipment.....	17
7.101.4 Indicators (for assessing the thermal effects of the gases).....	19
7.101.5 Arrangement of indicators.....	19
7.101.6 Test parameters	20
7.101.7 Test procedure	21
7.101.8 Criteria to pass the test	26
7.101.9 Transferability of the test results.....	26
8 Routine tests	27
9 Guide to the selection of switchgear and controlgear (informative)	27
9.1 General.....	27
9.101 Internal arc fault.....	27
9.101.1 General	27
9.101.2 Causes and preventive measures	28

9.101.3	Supplementary protective measures	28
9.101.4	Considerations for the selection and installation	29
9.101.5	Internal arc test	29
9.101.6	IAC designation	29
10	Information to be given with enquiries, tenders and orders (informative)	30
10.1	General.....	30
11	Transport, storage, installation, operation instruction and maintenance	30
11.1	General.....	30
11.2	Conditions during transport, storage and installation	31
11.3	Installation	31
11.3.1	General	31
11.101	Maintenance	31
12	Safety.....	31
12.1	General.....	31
13	Influence of the product on the environment	31
Annex A	(normative) Identification of the test objects	32
A.1	General.....	32
A.2	Data.....	32
A.3	Drawings.....	32
Bibliography	33
Figure 1	– Examples of enclosures and compartment(s) in different arrangements	14
Figure 2	– Test arrangement for pole-mounted switchgear and controlgear.....	18
Figure 3	– Horizontal indicator	19
Figure 4	– Flow-chart for the choice of arc initiation depending on the construction	24
Table 1	– Nameplate information	13
Table 2	– Parameters for internal arc fault test according to enclosure and compartment construction.....	23
Table 3	– Locations, causes and examples of measures to decrease the probability of internal arc faults	28
Table 4	– Single-phase-to-earth arc fault current depending on the network neutral earthing	30

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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IEC 62271-214 has been prepared by subcommittee 17C: Assemblies, of IEC technical committee 17: High voltage switchgear and controlgear. It is an International Standard.

This second edition cancels and replaces the first edition published in 2019. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) indicators positioning update;
- b) neutral earthing connection of the test circuit for three-phase tests;
- c) general review for consistency with IEC 62271-200, Ed.3.0:2021.

The text of this International Standard is based on the following documents:

Draft	Report on voting
17C/924/FDIS	17C/931/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

This standard shall be read in conjunction with IEC 62271-1, second edition, published in 2017, to which it refers, and which is applicable unless otherwise specified in this standard. In order to simplify the indication of corresponding requirements, the same numbering of clauses and subclauses is used as in IEC 62271-1. Amendments to these clauses and subclauses are given under the same references whilst additional subclauses are numbered from 101. Any clause with the term "Not applicable" relates to the clause not being relevant to IEC 62271-214, and does not infer the clause is or is not relevant for its applicable switchgear standard.

A list of all parts of the IEC 62271 series, published under the general title *High-voltage switchgear and controlgear*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
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INTRODUCTION

IEC 62271-214 has been developed due to the requirement to remove IAC Type C designated pole-mounted switchgear from IEC 62271-200. IEC 62271-214 is to be considered independent of IEC 62271-200, however it is still related to other product standards of the IEC 62271 series.

Only open terminal pole-mounted switchgear and controlgear has been considered within this document.

This equipment relates to operation in three-phase, two-phase and single-phase systems.