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Draft Indian Standard

Low-voltage switchgear and controlgear assemblies –
Part 0: Guidance to specifying assemblies
(*First Revision*)

ICS 29.130.20

Low Voltage Switchgear and Controlgear
Sectional Committee, ETD 07

Last date of receipt of comments:
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NATIONAL FOREWORD

This draft Indian Standard (First Revision) which is identical with IEC TR 61439-0: 2022 “Low-voltage switchgear and controlgear assemblies – Part 0: Guidance to specifying assemblies” issued by the International Electrotechnical Commission (IEC) will be adopted by the Bureau of Indian Standards on the recommendation of the Low Voltage Switchgear and Controlgear Sectional Committee and approval of the Electrotechnical Division Council.

This standard was first published in 2016 and was identical with IEC 61439-0: 2014. This revision has now been undertaken to align this standard with the latest international practices. This edition includes the following significant technical changes with respect to the previous edition:

- alignment with IS/IEC 61439-1:2020;
- addition of new content in Clause 13 regarding current ratings;
- addition of a new subclause 12.8.1 detailing the fundamentals of the forms of internal separation;
- removal of the annexes detailing items subject to agreement between specifier and manufacturer for all product parts as not all of them can always be up to date.

The text of IEC Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read

as ‘Indian Standard’.

- b) Comma (,) has been used as a decimal marker, while in Indian Standards the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to International Standards for which Indian Standards also exists. The corresponding Indian Standards, which are to be substituted, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
IEC 61439-1:2020, Low-voltage switchgear and controlgear assemblies – Part 1: General rules	IS/IEC 61439-1 : 2020 IEC 61439-1:2020 Low-voltage switchgear and controlgear assemblies Part 1: General rules (<i>First Revision</i>)	Identical With IEC 61439-1:2020
IEC 61439-2:2020, Low-voltage switchgear and controlgear assemblies – Part 2: Power switchgear and controlgear assemblies	IS/IEC 61439-2: 2020 IEC 61439-2:2020 Low-voltage switchgear and controlgear assemblies Part 2: Power switchgear and controlgear assemblies (<i>First Revision</i>)	Identical With IEC 61439-2:2020
IEC 61439-3, Low-voltage switchgear and controlgear assemblies – Part 3: Distribution boards intended to be operated by ordinary persons (DBO)	IS/IEC 61439-3: 2012 IEC 61439-3: 2012 Low - Voltage switchgear and controlgear assemblies: Part 3 distribution boards intended to be operated by ordinary persons (DBO)	Identical With IEC 61439-3: 2012
IEC 61439-4, Low-voltage switchgear and controlgear assemblies – Part 4: Particular requirements for assemblies for construction sites (ACS)	IS/IEC 61439-4: 2012 IEC 61439-4: 2012 Low - Voltage switchgear and controlgear assemblies: Part 4 particular requirements for assemblies for construction sites (Acs)	Identical With IEC 61439-4: 2012
IEC 61439-5, Low-voltage switchgear and controlgear assemblies – Part 5: Assemblies for power distribution in public networks	IS/IEC 61439-5: 2014 IEC 61439-5: 2014 Low-Voltage Switchgear and Controlgear Assemblies Part 5 Assemblies for Power Distribution in Public Networks	Identical With IEC 61439-5: 2014
IEC 61439-6, Low-voltage switchgear and controlgear assemblies – Part 6: Busbar trunking systems (busways)	IS/IEC 61439-6: 2012 IEC 61439-6: 2012 Low-Voltage Switchgear and Controlgear Assemblies Part 6 Busbar Trunking Systems (Busways)	Identical With IEC 61439-6: 2012
IEC 61439-7, Low-voltage switchgear and controlgear assemblies – Part 7: Assemblies for specific applications such as marinas, camping sites, market squares, electric vehicle charging stations	IS/IEC/TS 61439-7: 2023 IEC 61439-7:2022 Low-voltage switchgear and controlgear assemblies Part 7: Assemblies for specific applications such as marinas camping sites market squares electric vehicle charging stations (<i>First Revision</i>)	Identical With IEC 61439-7:2022

Only the English language text has been retained while adopting it in this Indian Standard, and as such, the page numbers given here are not the same as in the IEC Publication.

For the purpose of deciding whether a particular requirement of this standard is complied with the final value, observed or calculated expressing the result of a test or analysis shall be rounded off in accordance with IS 2: 2022 'Rules for rounding of numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Note: The technical content of the document is not available on website. For details, please refer the corresponding IEC TR 61439-0-2022 or kindly contact:

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