



SLOVENSKI STANDARD

SIST EN 50719:2024

01-julij-2024

Povezovalni ploščati priključki za skožnjike od 250 A do 4000 A za transformatorje, polnjene z izolacijsko tekočino

Connecting terminal flags for bushings from 250A to 4 000 A for insulating liquid filled transformers

Durchführungen bis 1 kV und von 250 A bis 5 kA für flüssigkeitsgefüllte Transformatoren

Cosses à drapeau pour traversées de 250 A à 4 000 A pour les transformateurs à remplissage de liquide isolant

Ta slovenski standard je istoveten z: EN 50719:2024

[SIST EN 50719:2024](https://standards.iteh.ai/standards/sist/803fca1c-e343-4c65-88da-a595d3bdf20a/sist-en-50719-2024)

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ICS:

29.080.20	Skožnjiki	Bushings
29.180	Transformatorji. Dušilke	Transformers. Reactors

SIST EN 50719:2024

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50719

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ICS 29.180

English Version

Connecting terminal flags for bushings from 250 A to 4 000 A for insulating liquid filled transformers

Cosses à drapeau pour traversées de 250 A à 4 000 A pour
les transformateurs à remplissage de liquide isolant

Anschlussfahnen für Durchführungen von 250 A bis 4 000 A
für flüssigkeitsgefüllte Transformatoren

This European Standard was approved by CENELEC on 2024-02-12. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents	Page
European foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Requirements	4
4.1 Manufacturing process	4
4.2 Material	4
4.3 General requirements.....	4
4.4 Standard values of rated current (I _r)	5
4.5 Compliance.....	5
5 Flag common dimensions	5
5.1 General.....	5
5.2 Type 250 A.....	6
5.3 Type 630 A.....	7
5.4 Type 1 250 A.....	8
5.5 Type 2 000 A.....	9
5.6 Type 3 150 A.....	10
5.7 Type 4 000 A.....	11
6 Tests.....	12
6.1 Type tests	12
6.1.1 Temperature rise tests	12
6.1.2 Acceptance.....	12
6.2 Routine tests	12
Bibliography	13


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 Document Preview

[SIST EN 50719:2024](https://standards.iteh.ai/catalog/standards/sist/803fca1c-e343-4c65-88da-a595d3bdf20a/sist-en-50719-2024)

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European foreword

This document (EN 50719:2024) has been prepared by CLC/TC 36A “Insulated bushings”.

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2025-02-12
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2027-02-12

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EN 50719:2024 (E)

1 Scope

This document is applicable to vertical connecting terminal flags for insulated bushings with rated currents from 250 A to 4 000 A and frequencies from 15 Hz to 60 Hz for liquid immersed equipment.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 60137, *Insulated bushings for alternating voltages above 1 000 V (IEC 60137)*

EN 12165:2016, *Copper and copper alloys - Wrought and unwrought forging stock*

ISO 2768 (series), *General tolerances*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1

vertical connecting flag

flag with the connecting plate parallel to the bushing axis

4 Requirements

4.1 Manufacturing process

Forging process is preferable compared to casting process.

4.2 Material

Flag body material shall be brass (CUZn40Pb2) CW617N in accordance with EN 12165:2016.

Locking screws and washers shall be stainless steel material type A4, upon customer agreement A2 may be supplied.

4.3 General requirements

Flags shall be unplated unless by agreement where they may be tin plated or silver plated.

All sharp edges shall be rounded.

To ensure correct clamping of the flag, the body shall be provided with a cut (see Figures 1 to 11 below).

Un-dimensioned features of flags may be changed at the discretion of the manufacturer.

Therefore, the shape shown in the drawings is not compulsory.

The most relevant part is the connecting plate and threads.

The roughness of the connecting plate shall be less than 3,2 micron.