



**SLOVENSKI STANDARD**  
**SIST EN IEC 60255-187-1:2021**

**01-november-2021**

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**Merilni releji in zaščitna oprema - 187-1. del: Funkcijske zahteve za diferenčno zaščito - Omejena in neomejena diferenčna zaščita motorjev, generatorjev in transformatorjev**

Measuring relays and protection equipment - Part 187-1: Functional requirements for differential protection - Restrained and unrestrained differential protection of motors, generators and transformers

Messrelais und Schutzeinrichtungen - Teil 187-1: Funktionsanforderungen für den stabilisierten und nicht stabilisierten Differentialschutz von Motoren, Generatoren und Transformatoren

<https://standards.iteh.ai/catalog/standards/sist/13a8cc62-088c-40c7-bfb7-383c8fb6e7f5/sist-en-iec-60255-187-1-2021>

Relais de mesure et dispositifs de protection - Partie 187-1: Exigences fonctionnelles pour la protection différentielle - Protection différentielle avec et sans caractéristique de retenue des moteurs, générateurs et transformateurs

**Ta slovenski standard je istoveten z: EN IEC 60255-187-1:2021**

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**ICS:**

29.120.70      Releji      Relays

**SIST EN IEC 60255-187-1:2021**      en



EUROPEAN STANDARD

**EN IEC 60255-187-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2021

ICS 29.120.70

English Version

Measuring relays and protection equipment - Part 187-1:  
Functional requirements for differential protection - Restrained  
and unrestrained differential protection of motors, generators  
and transformers  
(IEC 60255-187-1:2021)

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Funktionsanforderungen für den stabilisierten und nicht  
stabilisierten Differentialschutz von Motoren, Generatoren  
und Transformatoren  
(IEC 60255-187-1:2021)

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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**

**EN IEC 60255-187-1:2021 (E)****European foreword**

The text of document 95/465/FDIS, future edition 1 of IEC 60255-187-1, prepared by IEC/TC 95 “Measuring relays and protection equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60255-187-1:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2022-06-01 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2024-09-01 document have to be withdrawn

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

<https://standards.iteh.ai/catalog/standards/sist/13a8cc62-088c-40c7-bfb7-383c8fb6e7f5/sist-en-iec-60255-187-1-2021>

IEC 61850 (series) NOTE Harmonized as EN 61850 (series)

IEC 61850-7-4:2010 NOTE Harmonized as EN 61850-7-4:2010 (not modified)

IEC 61850-9-2 NOTE Harmonized as EN 61850-9-2

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

| <u>Publication</u> | <u>Year</u> | <u>Title</u>  | <u>EN/HD</u>   | <u>Year</u> |
|--------------------|-------------|---|----------------|-------------|
| IEC 60255-1        | -           | Measuring relays and protection equipment<br>- Part 1: Common requirements  | EN 60255-1     | -           |
| IEC 61850-8-1      | -           | Communication networks and systems for<br>power utility automation - Part 8-1:<br>Specific communication service mapping<br>(SCSM) - Mappings to MMS (ISO 9506-1<br>and ISO 9506-2) and to ISO/IEC 8802-3 | EN 61850-8-1   | -           |
| IEC 61869-2        | -           | Instrument transformers - Part 2: Additional<br>requirements for current transformers   | EN 61869-2     | -           |
| IEC 61869-9        | -           | Instrument transformers - Part 9: Digital<br>interface for instrument transformers  | EN IEC 61869-9 | -           |





IEC 60255-187-1

Edition 1.0 2021-07

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



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Part 187-1: Functional requirements for differential protection – Restrained and  
unrestrained differential protection of motors, generators and transformers**

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Protection différentielle avec et sans caractéristique de retenue des moteurs,  
générateurs et transformateurs**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

ICS 29.120.70

ISBN 978-2-8322-1003-9

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