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Merilni releji in zaščitna oprema - 187-1. del: Funkcijske zahteve za diferencialno zaščito - Omejena in neomejena diferencialna 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

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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)

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
(IEC 60255-187-1:2021)

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

This European Standard was approved by CENELEC on 2021-09-01. 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.

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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- latest date by which the national standards conflicting with the (dow) 2024-09-01 document have to be withdrawn

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The text of the International Standard IEC 60255-187-1:2021 was approved by CENELEC as a European Standard without any modification.

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

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.

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

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

**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**

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