

Nederlandse norm

NEN-EN-IEC 62271-3

(en; fr)

Hoogspanningschakelmaterieel - Deel 3:
Digitale interfaces gebaseerd op IEC 61850
(IEC 62271-3:2006, IDT)

High-voltage switchgear and controlgear - Part
3: Digital interfaces based on IEC 61850 (IEC
62271-3:2006, IDT)

ICS 29.130.10
december 2006

Als Nederlandse norm is aanvaard:

- EN 62271-3:2006, IDT
- IEC 62271-3:2006, IDT

Voorbeeld
 Preview

Nederlands Elektrotechnisch Comité (NEC)
 Normcommissie 364 017 "Schakelmateriaal (NEC 17)"

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Nederlands voorwoord

Voor de in deze norm vermelde normatieve verwijzingen bestaan in Nederland de volgende equivalenten:

<u>vermelde norm</u>	<u>Nederlandse norm</u>	<u>titel</u>
IEC 60050-191:1990	NEN 10050-191:1991	Betrouwbaarheid en kwaliteit van dienstverlening (en,es,fr,ru)
IEC 60265-2	NEN 10265-2	Hoogspanningsschakelaars - Deel 2: Hoogspanningsschakelaars voor een spanning van 52 kV en hoger (en,fr)
IEC 60694	NEN 10694	Hoogspanningsschakelmaterieel - Gemeenschappelijke bepalingen (en)
IEC 60794:2001	-	-
IEC 60870-4:1990	NEN 10870-4:1995	Materieel en systemen voor besturing op afstand - Deel 4: Prestatie-eisen (en,fr)
IEC 60874-10-3:1997	-	-
IEC/TR 61850-1:2003	-	-
IEC/TS 61850-2:2003	NEN-IEC 61850-2:2003	Communicatienetwerken en -systemen in substations - Deel 2: Verklarende woordenlijst (en)
IEC 61850-3:2002	NEN-EN-IEC 61850-3:2002	Communicatienetwerken en -systemen in substations - Deel 3: Algemene eisen (en,fr)
IEC 61850-4:2002	NEN-EN-IEC 61850-4:2002	Communicatienetwerken en -systemen in substations - Deel 4: Systeem- en projectmanagement (en,fr)
IEC 61850-5:2003	NEN-EN-IEC 61850-5:2003	Communicatienetwerken en -systemen in substations - Deel 5: Communicatie-eisen voor functies en toepassingsmodellen (en)
IEC 61850-6:2004	NEN-EN-IEC 61850-6:2004	Communicatienetwerken en -systemen in onderstations - Deel 6: Configuratiebeschrijvingstaal voor communicatie in elektrische substations in relatie tot IEDs (en)
IEC 61850-7-1:2003	NEN-EN-IEC 61850-7-1:2003	Communicatienetwerken en -systemen in onderstations - Deel 7-1: Basiscommunicatiestructuur voor onderstations en verdeelapparatuur - Principes en modellen (en)
IEC 61850-7-2:2003	NEN-EN-IEC 61850-7-2:2003	Communicatienetwerken en -systemen in onderstations - Deel 7-2: Basiscommunicatiestructuur voor onderstations en voedende apparatuur - Abstracte communicatie service interface (ACSI) (en)
IEC 61850-7-3:2003	NEN-EN-IEC 61850-7-3:2003	Communicatienetwerken en -systemen in onderstations - Deel 7-3: Basiscommunicatiestructuur voor onderstations en voedende apparatuur - Gecombineerde gegevens (en)
IEC 61850-7-4:2003	NEN-EN-IEC 61850-7-4:2003	Communicatienetwerken en -systemen in onderstations - Deel 7-4: Basiscommunicatiestructuur voor onderstations en voedende apparatuur - Overeenstemmende logische gegevensklassen (en)
IEC 61850-8-1:2004	NEN-EN-IEC 61850-8-1:2004	Communicatienetwerken en -systemen in substations - Deel 9-1: Specifieke Communicatie Service Afstemming (SCSM) - Afstemming op MMS (ISO 9506-1 en ISO 9506-2) en ISO/IEC 8802-3 (en)
IEC 61850-9-1:2003	NEN-EN-IEC 61850-9-1:2003	Communicatienetwerken en -systemen in onderstations - Deel 9-1: Specifieke Communicatie Service Afstemming (SCSM) - Monsterwaarden van series met aansluitdraden aan één zijde meerpunts circuit (en)

IEC 61850-9-2:2004	NEN-EN-IEC 61850-9-2:2004	Communicatienetwerken en -systemen in substations - Deel 9-2: Specifieke Communicatie Service Afstemming (SCSM) - Monsterwaarden van ISO/IEC 8802-3 (en)
IEC 61850-10:2005	-	-
IEC 62271-10	-	-
ISO/IEC 7498:1994	-	-
ISO/IEC 8802-3:2001	-	-

Voorbeeld
Preview

English version

High-voltage switchgear and controlgear
Part 3: Digital interfaces based on IEC 61850
(IEC 62271-3:2006)

Appareillage à haute tension
Partie 3: Interfaces numériques
basées sur la CEI 61850
(CEI 62271-3:2006)

Hochspannungs-Schaltgeräte
und -Schaltanlagen
Teil 3: Digitale Schnittstellen
nach IEC 61850
(IEC 62271-3:2006)

This European Standard was approved by CENELEC on 2006-09-01. 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.

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

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 17C/369/FDIS, future edition 1 of IEC 62271-3, prepared by SC 17C, High-voltage switchgear and controlgear assemblies, of IEC TC 17, Switchgear and controlgear, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62271-3 on 2006-09-01.

This standard has the status of a product family standard and may be used as a normative reference in a dedicated product standard for high-voltage switchgear and controlgear.

This standard is to be read in conjunction with the following documents:

- EN 61850 series "Communication networks and systems in substations"
- EN 62271 series "High-voltage switchgear and controlgear".

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2007-06-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-09-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62271-3:2006 was approved by CENELEC as a European Standard without any modification.

Editorial modifications to IEC 62271-3:2006:

Clause 2, Normative references

Delete the reference to IEC 62271-103.

Add:

IEC 62271-102, *High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches*

Clause C.2

In the note below Table C.2, **replace** "IEC 62271-103" by "IEC 62271-102".

Annex ZA
(normative)

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

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

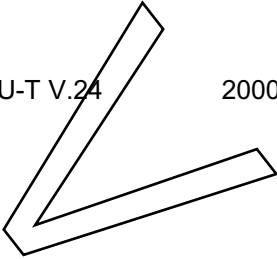
<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-191	1990	International Electrotechnical Vocabulary (IEV) Chapter 191: Dependability and quality of service	-	-
IEC 60265-2	- ¹⁾	High-voltage switches Part 2: High-voltage switches for rated voltages of 52 kV and above	EN 60265-2	1993 ²⁾
IEC 60694	- ¹⁾	Common specifications for high-voltage switchgear and controlgear standards	EN 60694 + corr. May	1996 ²⁾ 1999
IEC 60794	Series	Optical fibre cables	-	-
IEC 60870-4	1990	Telecontrol equipment and systems Part 4: Performance requirements	HD 546.4 S1	1992
IEC 60874-10-3	1997	Connectors for optical fibres and cables Part 10-3: Detail specification for fibre optic adaptor type BFOC/2,5 for single and multimode fibre	-	-
IEC/TR 61850-1	2003	Communication networks and systems in substations Part 1: Introduction and overview	-	-
IEC/TS 61850-2	2003	Communication networks and systems in substations Part 2: Glossary	-	-
IEC 61850-3	2002	Communication networks and systems in substations Part 3: General requirements	EN 61850-3	2002
IEC 61850-4	2002	Communication networks and systems in substations Part 4: System and project management	EN 61850-4	2002
IEC 61850-5	2003	Communication networks and systems in substations Part 5: Communication requirements for functions and device models	EN 61850-5	2003

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61850-6	2004	Communication networks and systems in substations Part 6: Configuration description language for communication in electrical substations related to IEDs	EN 61850-6	2004
IEC 61850-7-1	2003	Communication networks and systems in substations Part 7-1: Basic communication structure for substation and feeder equipment - Principles and models	EN 61850-7-1	2003
IEC 61850-7-2	2003	Communication networks and systems in substations Part 7-2: Basic communication structure for substation and feeder equipment - Abstract communication service interface (ACSI)	EN 61850-7-2	2003
IEC 61850-7-3	2003	Communication networks and systems in substations Part 7-3: Basic communication structure for substation and feeder equipment - Common data classes	EN 61850-7-3	2003
IEC 61850-7-4	2003	Communication networks and systems in substations Part 7-4: Basic communication structure for substation and feeder equipment - Compatible logical node classes and data classes	EN 61850-7-4	2003
IEC 61850-8-1	2004	Communication networks and systems in substations 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	2004
IEC 61850-9-1	2003	Communication networks and systems in substations Part 9-1: Specific Communication Service Mapping (SCSM) - Sampled values over serial unidirectional multidrop point to point link	EN 61850-9-1	2003
IEC 61850-9-2	2004	Communication networks and systems in substations Part 9-2: Specific Communication Service Mapping (SCSM) - Sampled values over ISO/IEC 8802-3	EN 61850-9-2	2004
IEC 61850-10	2005	Communication networks and systems in substations Part 10: Conformance testing	EN 61850-10	2005
IEC 62271-102	- ¹⁾	High-voltage switchgear and controlgear Part 102: Alternating current disconnectors and earthing switches	EN 62271-102 + corr. March	2002 ²⁾ 2005
ISO/IEC 7498	Series	Information technology - Open systems interconnection - Basic reference model	EN ISO/IEC 7498	Series

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO/IEC 8802-3	2001	Information technology - Telecommunications - and information exchange between systems - Local and metropolitan area networks - Specific requirements Part 3: Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications	-	-
ITU-T V.24	2000	List of definitions for interchange circuits between data terminal equipment (DTE) and data circuit-terminating equipment (DCE)	-	-



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**NORME
INTERNATIONALE
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62271-3

Première édition
First edition
2006-06

Appareillage à haute tension –

**Partie 3:
Interfaces numériques basées sur la CEI 61850**

High-voltage switchgear and controlgear –

**Part 3:
Digital interfaces based on IEC 61850**



Numéro de référence
Reference number
CEI/IEC 62271-3:2006

Numérotation des publications

Depuis le 1er janvier 1997, les publications de la CEI sont numérotées à partir de 60000. Ainsi, la CEI 34-1 devient la CEI 60034-1.

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62271-3

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SOMMAIRE

AVANT-PROPOS.....	6
INTRODUCTION.....	10
1 Domaine d'application	12
2 Références normatives.....	14
3 Termes et définitions	16
4 Conditions de service normales et spéciales	22
5 Caractéristiques assignées et classifications	24
5.1 Nœuds logiques au niveau du processus d'un poste à haute tension.....	24
5.2 Données supplémentaires et nœuds logiques pour la surveillance des appareillages.....	26
5.3 Services de communication	28
5.4 Exigences de commande temporelle	36
5.5 Classes assignées pour la résolution et la précision des données	44
5.6 Sécurité des données.....	44
5.7 Intégrité des données.....	44
5.8 Performances exigées.....	44
6 Conception et construction	46
6.1 Généralités.....	46
6.2 Frontières technologiques	56
6.3 Exigences mécaniques.....	62
6.4 Exigences électriques.....	62
6.5 CEM.....	62
6.6 Plaques signalétiques électroniques.....	64
7 Essais de type.....	64
7.1 Généralités.....	64
7.101 Essais de conformité de l'interface de communication de l'appareillage	64
7.102 Mesure des temps de manœuvre de l'appareillage.....	64
8 Essais individuels.....	74
8.1 Généralités.....	74
8.101 Mesure des durées sur l'appareillage	74
9 Renseignements à donner dans les appels d'offres, les soumissions et les commandes.....	74
10 Règles pour le transport, le stockage, l'installation, la manœuvre et la maintenance.....	76
11 Sécurité.....	76
Annexe A (normative) Tableau de présentation des essais	78
Annexe B (normative) Nœuds logiques pour les capteurs et la surveillance	80
Annexe C (normative) Plaques signalétiques électroniques	86

CONTENTS

FOREWORD.....	7
INTRODUCTION.....	11
1 Scope.....	13
2 Normative references	15
3 Terms and definitions	17
4 Normal and special service conditions	23
5 Ratings and classifications	25
5.1 LNs on the process level of a high-voltage substation	25
5.2 Additional data and LNs for switchgear monitoring	27
5.3 Communication services.....	29
5.4 Timing requirements.....	37
5.5 Rated classes for data resolution and precision.....	45
5.6 Data security.....	45
5.7 Data integrity.....	45
5.8 Performance requirements	45
6 Design and construction.....	47
6.1 General.....	47
6.2 Technological boundaries.....	57
6.3 Mechanical requirements.....	63
6.4 Electrical requirements.....	63
6.5 EMC.....	63
6.6 Electronic nameplates.....	65
7 Type tests	65
7.1 General.....	65
7.101 Switchgear communication interface conformance tests	65
7.102 Time measurement of switchgear	65
8 Routine tests	75
8.1 General.....	75
8.101 Time measurement on switchgear	75
9 Information to be given with enquiries, tenders and orders	75
10 Rules for transport, storage, installation, operation and maintenance	77
11 Safety.....	77
Annex A (normative) Test overview table	79
Annex B (normative) LNs for sensors and monitoring.....	81
Annex C (normative) Electronic nameplates.....	87

ALTIJD DE ACTUELE NORM IN UW BEZIT HEBBEN?

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