SLOVENSKI STANDARD
SIST EN 61800-7-1:2016

01-april-2016

Nadomešča:
SIST EN 61800-7-1:2008

Električni pogonski sistemi z nastavljivo hitrostjo - 7-1. del: Generični vmesnik in uporaba profilov za električne pogonske sisteme - Definicija vmesnika

Adjustable speed electrical power drive systems - Part 7-1: Generic interface and use of profiles for power drive systems - Interface definition

Ta slovenski standard je istoveten z: EN 61800-7-1:2016

ICS:

29.200	Usmerniki. Pretvorniki. Stabilizirano električno napajanje	Rectifiers. Convertors. Stabilized power supply
35.100.05	Večslojne uporabniške rešitve	Multilayer applications

SIST EN 61800-7-1:2016 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61800-7-1

February 2016

ICS 29.200; 35.100.05

Supersedes EN 61800-7-1:2008

English Version

Adjustable speed electrical power drive systems - Part 7-1: Generic interface and use of profiles for power drive systems - Interface definition (IEC 61800-7-1:2015)

Entraînements électriques de puissance à vitesse variable - Partie 7-1: Interface générique et utilisation de profils pour les entraînements électriques de puissance - Définition de l'interface (IEC 61800-7-1:2015)

Elektrische Leistungsantriebssysteme mit einstellbarer Drehzahl - Teil 7-1: Generisches Interface und Nutzung von Profilen für Leistungsantriebssysteme (PDS) - Schnittstellendefinition (IEC 61800-7-1:2015)

This European Standard was approved by CENELEC on 2015-12-25. 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.

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 CEN-CENELEC Management Centre 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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 22G/306/FDIS, future edition 2 of IEC 61800-7-1, prepared by SC 22G “Adjustable speed electric drive systems incorporating semiconductor power converters” of IEC/TC 22 “Power electronic systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61800-7-1:2016.

The following dates are fixed:

• latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2016-09-25
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2018-12-25

This document supersedes EN 61800-7-1:2008.

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Endorsement notice

The text of the International Standard IEC 61800-7-1:2015 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 61131-3	NOTE	Harmonized as EN 61131-3.
IEC 61158 Series	NOTE	Harmonized as EN 61158 Series.
IEC 61158-5-12	NOTE	Harmonized as EN 61158-5-12.
IEC 61158-5-13	NOTE	Harmonized as EN 61158-5-13.
IEC 61158-5-14	NOTE	Harmonized as EN 61158-5-14.
IEC 61158-5-16	NOTE	Harmonized as EN 61158-5-16.
IEC 61158-5-19	NOTE	Harmonized as EN 61158-5-19.
IEC 61158-5-23	NOTE	Harmonized as EN 61158-5-23.
IEC 61158-6-12	NOTE	Harmonized as EN 61158-6-12.
IEC 61158-6-13	NOTE	Harmonized as EN 61158-6-13.
IEC 61158-6-14	NOTE	Harmonized as EN 61158-6-14.
IEC 61158-6-16	NOTE	Harmonized as EN 61158-6-16.
IEC 61158-6-19	NOTE	Harmonized as EN 61158-6-19.
IEC 61158-6-23	NOTE	Harmonized as EN 61158-6-23.
IEC 61499-1:2012	NOTE	Harmonized as EN 61499-1:2013 (not modified).
IEC 61784-1	NOTE	Harmonized as EN 61784-1.
IEC 61784-2	NOTE	Harmonized as EN 61784-2
IEC 61800 Series	NOTE	Harmonized as EN 61800 Series.
IEC 61800-4:2002	NOTE	Harmonized as EN 61800-4:2003 (not modified).
IEC 61800-7-301	NOTE	Harmonized as EN 61800-7-301.
IEC 61800-7-302	NOTE	Harmonized as EN 61800-7-302.
IEC 61800-7-303	NOTE	Harmonized as EN 61800-7-303.
IEC 62026-3	NOTE	Harmonized as EN 62026-3.

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When 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

Publication	Year	Title	EN/HD	Year
-	-	Industrial communications subsystem based on ISO 11898 (CAN) for controller-device interfaces - Part 4: CANopen	EN 50325-4	-
IEC 61158-5-2	-	Industrial communication networks - Fieldbus specifications - Part 5-2: Application layer service definition - Type 2 elements	EN 61158-5-2	-
IEC 61158-5-3	-	Industrial communication networks - Fieldbus specifications - Part 5-3: Application layer service definition - Type 3 elements	EN 61158-5-3	-
IEC 61158-5-10	-	Industrial communication networks - Fieldbus specifications - Part 5-10: Application layer service definition - Type 10 elements	EN 61158-5-10	-
IEC 61158-6-2	-	Industrial communication networks - Fieldbus specifications - Part 6-2: Application layer protocol specification - Type 2 elements	EN 61158-6-2	-
IEC 61158-6-3	-	Industrial communication networks - Fieldbus specifications - Part 6-3: Application layer protocol specification - Type 3 elements	EN 61158-6-3	-
IEC 61158-6-10	-	Industrial communication networks - Fieldbus specifications - Part 6-10: Application layer protocol specification - Type 10 elements	EN 61158-6-10	-
IEC 61800-7	Series	Adjustable speed electrical power drive systems - Part 7: Generic interface and use of profiles for power drive systems	EN 61800-7	Series

Publication	Year	Title	EN/HD	Year
IEC 61800-7-201	-	Adjustable speed electrical power drive systems - Part 7-201: Generic interface and use of profiles for power drive systems - Profile type 1 specification	EN 61800-7-201	-
IEC 61800-7-202	2015	Adjustable speed electrical power drive systems - Part 7-202: Generic interface and use of profiles for power drive systems - Profile type 2 specification	EN 61800-7-202	2016
IEC 61800-7-203	-	Adjustable speed electrical power drive systems - Part 7-203: Generic interface and use of profiles for power drive systems - Profile type 3 specification	EN 61800-7-203	-
IEC 61800-7-204	2015	Adjustable speed electrical power drive systems - Part 7-204: Generic interface and use of profiles for power drive systems - Profile type 4 specification	EN 61800-7-204	2016
IEC 61800-7-304	-	Adjustable speed electrical power drive systems - Part 7-304: Generic interface and use of profiles for power drive systems - Mapping of profile type 4 to network technologies	EN 61800-7-304	-
IEC/TR 62390	2005	Common automation device - Profile guideline	-	-

IEC 61800-7-1

Edition 2.0 2015-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE

colour inside

Adjustable speed electrical power drive systems – Part 7-1: Generic interface and use of profiles for power drive systems – Interface definition

Entraînements électriques de puissance à vitesse variable – Partie 7-1: Interface générique et utilisation de profils pour les entraînements électriques de puissance – Définition de l'interface

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

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ADJUSTABLE SPEED ELECTRICAL POWER DRIVE SYSTEMS –

Part 7-1: Generic interface and use of profiles for power drive systems – Interface definition

FOREWORD

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International Standard IEC 61800-7-1 has been prepared by subcommittee SC 22G: Adjustable speed electric drive systems incorporating semiconductor power converters, of IEC technical committee TC 22: Power electronic systems and equipment.

This second edition cancels and replaces the first edition published in 2007. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) mapping of drive profile type 1 onto additional network technologies;
b) minor updates in the subclauses for profile types 1, 2 and 4, in relation with corresponding changes in the dedicated IEC 61800-7-20x parts.

The text of this standard is based on the following documents:

FDIS	Report on voting
22G/306/FDIS	22G/321/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of the IEC 61800 series, under the general title *Adjustable speed electrical power drive systems*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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