



# SLOVENSKI STANDARD

## SIST EN 61800-7-301:2016

01-april-2016

Nadomešča:

SIST EN 61800-7-301:2008

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**Električni pogonski sistemi z nastavljivo hitrostjo - 7-301. del: Generični vmesnik in uporaba profilov za električne pogonske sisteme - Preslikava profilov tipa 1 na omrežne tehnologije**

Adjustable speed electrical power drive systems -- Part 7-301: Generic interface and use of profiles for power drive systems - Mapping of profile type 1 to network technologies

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[SIST EN 61800-7-301:2016](https://standards.iteh.ai/catalog/standards/sist/95852547-9844-4576-846e-e47ca88f5b36/sist-en-61800-7-301-2016)

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

**SIST EN 61800-7-301:2016**

**en**

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EUROPEAN STANDARD

**EN 61800-7-301**

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2016

ICS 29.200; 35.100.05

Supersedes EN 61800-7-301:2008

English Version

Adjustable speed electrical power drive systems -  
Part 7-301: Generic interface and use of profiles for power drive  
systems - Mapping of profile type 1 to network technologies  
(IEC 61800-7-301:2015)

Entraînements électriques de puissance à vitesse variable -  
Partie 7-301: Interface générique et utilisation de profils  
pour les entraînements électriques de puissance - Mise en  
correspondance du profil de type 1 avec les technologies  
de réseaux  
(IEC 61800-7-301:2015)

Elektrische Leistungsantriebssysteme mit einstellbarer  
Drehzahl - Teil 7-301: Generisches Interface und Nutzung  
von Profilen für Leistungsantriebssysteme (PDS) -  
Abbildung von Profil-Typ 1 auf Netzwerktechnologien  
(IEC 61800-7-301:2015)

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**

EN 61800-7-301:2016

## European foreword

The text of document 22G/311/FDIS, future edition 2 of IEC 61800-7-301, 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 61800-7-301:2016.

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 61800-7-301:2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

## Endorsement notice

The text of the International Standard IEC 61800-7-301:2015 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 61158 Series	NOTE	Harmonized as EN 61158 Series.
IEC 61499-1	NOTE	Harmonized as EN 61499-1.
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 61800-7-1:2015	NOTE	Harmonized as EN 61800-7-1:2016 (not modified).
IEC 61800-7-202:2015	NOTE	Harmonized as EN 61800-7-202:2016 (not modified).
IEC 61800-7-203:2015	NOTE	Harmonized as EN 61800-7-203:2016 (not modified).
IEC 61800-7-204:2015	NOTE	Harmonized as EN 61800-7-204:2016 (not modified).
IEC 61800-7-302:2015	NOTE	Harmonized as EN 61800-7-302:2016 (not modified).
IEC 61800-7-303:2015	NOTE	Harmonized as EN 61800-7-303:2016 (not modified).
IEC 61800-7-304:2015	NOTE	Harmonized as EN 61800-7-304:2016 (not modified).
IEC 61915-1	NOTE	Harmonized as EN 61915-1.

## 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](http://www.cenelec.eu)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
		Industrial communications subsystem based on ISO 11898 (CAN) for controller-device interfaces - Part 4: CANopen	EN 50325-4	-
IEC 61158-4-14	-	Industrial communication networks - Fieldbus specifications - Part 4-14: Data-link layer protocol specification - Type 14 elements	EN 61158-4-14	-
IEC 61158-5-12	-	Industrial communication networks - Fieldbus specifications - Part 5-12: Application layer service definition - Type 12 elements	EN 61158-5-12	-
IEC 61158-5-13	-	Industrial communication networks - Fieldbus specifications - Part 5-13: Application layer service definition - Type 13 elements	EN 61158-5-13	-
IEC 61158-5-14	-	Industrial communication networks - Fieldbus specifications - Part 5-14: Application layer service definition - Type 14 elements	EN 61158-5-14	-
IEC 61158-5-23	-	Industrial communication networks - Fieldbus specifications - Part 5-23: Application layer service definition - Type 23 elements	EN 61158-5-23	-
IEC 61158-6-12	-	Industrial communication networks - Fieldbus specifications - Part 6-12: Application layer protocol specification - Type 12 elements	EN 61158-6-12	-
IEC 61158-6-13	-	Industrial communication networks - Fieldbus specifications - Part 6-13: Application layer protocol specification - Type 13 elements	EN 61158-6-13	-

EN 61800-7-301:2016

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61158-6-14	-	Industrial communication networks - Fieldbus specifications - Part 6-14: Application layer protocol specification - Type 14 elements	EN 61158-6-14	-
IEC 61158-6-23	-	Industrial communication networks - Fieldbus specifications - Part 6-23: Application layer protocol specification - Type 23 elements	EN 61158-6-23	-
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	-

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Edition 2.0 2015-11

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Adjustable speed electrical power drive systems –  
Part 7-301: Generic interface and use of profiles for power drive systems –  
Mapping of profile type 1 to network technologies**

**Entraînements électriques de puissance à vitesse variable –  
Partie 7-301: Interface générique et utilisation de profils pour les entraînements  
électriques de puissance – Mise en correspondance du profil de type 1 avec les  
technologies de réseaux**

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