

**SLOVENSKI
STANDARD**

**SIST EN 60947-4-
2:1998/A2:2000**

prva izdaja
april 2000

Low-voltage switchgear and controlgear - Part 4: Contactors and motor-starters - Section 2: A.C. semiconductor motor controllers and starters - Amendment A2 (IEC 60947-4-2:1995/A2:1998)

**iTeh STANDARD PREVIEW
(standards.iteh.ai)**

[SIST EN 60947-4-2:1998/A2:2000](https://standards.iteh.ai/catalog/standards/sist/49d78777-1dcb-40b0-bc47-4cdb8465914c/sist-en-60947-4-2-1998-a2-2000)

[https://standards.iteh.ai/catalog/standards/sist/49d78777-1dcb-40b0-bc47-](https://standards.iteh.ai/catalog/standards/sist/49d78777-1dcb-40b0-bc47-4cdb8465914c/sist-en-60947-4-2-1998-a2-2000)

[4cdb8465914c/sist-en-60947-4-2-1998-a2-2000](https://standards.iteh.ai/catalog/standards/sist/49d78777-1dcb-40b0-bc47-4cdb8465914c/sist-en-60947-4-2-1998-a2-2000)

ICS 29.130.20

Referenčna številka
SIST EN 60947-4-
2:1998/A2:2000(en)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60947-4-2:1998/A2:2000

<https://standards.iteh.ai/catalog/standards/sist/49d78777-1dcb-40b0-bc47-4cdb8465914c/sist-en-60947-4-2-1998-a2-2000>

ICS 29.120.60

Descriptors: Low-voltage switchgear and controlgear, contactors and motor-starters, semiconductor motor controllers and starters

English version

Low-voltage switchgear and controlgear
Part 4: Contactors and motor-starters
Section 2: A.C. semiconductor motor controllers and starters
(IEC 60947-4-2:1995/A2:1998)

Appareillage à basse tension
Partie 4: Contacteurs et
démarreurs de moteurs
Section 2: Gradateurs et
démarreurs à semiconducteurs
de moteurs à courant alternatif
(CEI 60947-4-2:1995/A2:1998)

Niederspannungsschaltgeräte
Teil 4: Schütze und Motorstarter
Hauptabschnitt 2:
Halbleiter-Motor-Steuergeräte und
-Starter für Wechselspannung
(IEC 60947-4-2:1995/A2:1998)

This amendment A2 modifies the European Standard EN 60947-4-2:1996; it was approved by CENELEC on 1998-10-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

[SIST EN 60947-4-2:1998/A2:2000](https://standards.iteh.ai/catalog/standards/sist/49d78777-1dcb-40b0-bc47-4cdb8465914c/sist-en-60947-4-2-1998-a2-2000)

<https://standards.iteh.ai/catalog/standards/sist/49d78777-1dcb-40b0-bc47-4cdb8465914c/sist-en-60947-4-2-1998-a2-2000>

CENELEC

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 17B/919/FDIS, future amendment 2 to IEC 60947-4-2:1995, prepared by SC 17B, Low-voltage switchgear and controlgear, of IEC TC 17, Switchgear and controlgear, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A2 to EN 60947-4-2:1996 on 1998-10-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 1999-07-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2001-07-01

Endorsement notice

The text of amendment 2:1998 to the International Standard IEC 60947-4-2:1995 was approved by CENELEC as an amendment to the European Standard without any modification.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60947-4-2:1998/A2:2000
<https://standards.iteh.ai/catalog/standards/sist/49d78777-1dcb-40b0-bc47-4cdb8465914c/sist-en-60947-4-2-1998-a2-2000>

NORME
INTERNATIONALE

CEI
IEC

INTERNATIONAL
STANDARD

60947-4-2

1995

AMENDEMENT 2
AMENDMENT 2
1998-08

Amendement 2

Appareillage à basse tension –

Partie 4:

**Contacteurs et démarreurs de moteurs –
Section 2: Gradateurs et démarreurs à
semiconducteurs de moteurs à courant alternatif**

Amendment 2

Low-voltage switchgear and controlgear –

Part 4:

**Contactors and motor-starters –
Section 2: AC semiconductor motor controllers
and starters**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 60947-4-2:1998/A2:2000](https://standards.iteh.ai/catalog/standards/sist/49d78777-1dcb-40b0-bc47-1998-08)

[https://standards.iteh.ai/catalog/standards/sist/49d78777-1dcb-40b0-bc47-](https://standards.iteh.ai/catalog/standards/sist/49d78777-1dcb-40b0-bc47-1998-08)

© IEC 1998. Droits de reproduction réservés 2000. Copyright - all rights reserved

International Electrotechnical Commission
Telefax: +41 22 919 0300

3, rue de Varembe Geneva, Switzerland
e-mail: inmail@iec.ch IEC web site <http://www.iec.ch>



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

C

*Pour prix, voir catalogue en vigueur
For price, see current catalogue*

FOREWORD

This amendment has been prepared by subcommittee 17B: Low-voltage switchgear and controlgear, of IEC technical committee 17: Switchgear and controlgear.

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

FDIS	Report on voting
17B/919/FDIS	17B/945/RVD

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

Page 93

9.3.5.1.1 Conducted radio-frequency emission test

Replace the existing note by the following text:

The addition of high-frequency common mode filtering in the main power connections may cause unacceptable reductions in motor starting torque, or render invalid the concept of unearthed or high impedance earthed distribution systems, as employed within process industries, with implications for system safety.

If, in order to fulfil the emission levels given in table 14, filters are necessary but are not used for the above reasons, other precautions shall be taken in order not to exceed the emission levels given in this table.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60947-4-2:1998/A2:2000

<https://standards.iteh.ai/catalog/standards/sist/49d78777-1dcb-40b0-bc47-4cdb8465914c/sist-en-60947-4-2-1998-a2-2000>

Replace the existing table 14 by the following new table 14:

Table 14 – Terminal disturbance voltage limits for conducted radio-frequency emission

Equipment class (network type)	A* (industrial)		B (public)	
	dB (μV) quasi-peak	dB (μV) average	dB (μV) quasi-peak	dB (μV) average
0,15 to 0,5	100	90	66 to 56 (decrease with log of frequency)	56 to 46 (decrease with log of frequency)
0,5 to 5	86	76	56	46
0,5 to 30	90 to 70 (decrease with log of frequency)	80 to 60 (decrease with log of frequency)	60	50

* Limits in accordance with CISPR 11, Group 2.

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN 60947-4-2:1998/A2:2000

<https://standards.iteh.ai/catalog/standards/sist/49d78777-1dcb-40b0-bc47-4cdb8465914c/sist-en-60947-4-2-1998-a2-2000>

Amendement 2
(1998-08)
à la Publication 60947-4-2 de la CEI
(Première édition – 1995-11)

APPAREILLAGE À BASSE TENSION –

**Partie 4: Contacteurs et démarreurs de moteurs –
Section 2: Gradateurs et démarreurs à
semiconducteurs de moteurs à courant alternatif**

Amendment 2
(1998-08)
to IEC Publication 60947-4-2
(First edition – 1995-11)

**LOW-VOLTAGE SWITCHGEAR AND
CONTROLGEAR –**

**Part 4: Contactors and motor-starters –
Section 2: AC semiconductor motor controllers
and starters**

CORRIGENDUM

Page 4

Tableau 14

*Remplacer, dans la première colonne,
dernière ligne:*

«0,5 à 30» *par* «5 à 30».

Page 5

Table 14

Replace, in the first column, last line:

"0,5 to 30" *by* "5 to 30".

**iTeh STANDARD PREVIEW
(standards.iteh.ai)**

[SIST EN 60947-4-2:1998/A2:2000](https://standards.iteh.ai/catalog/standards/sist/49d78777-1dcb-40b0-bc47-4cdb8465914c/sist-en-60947-4-2-1998-a2-2000)

<https://standards.iteh.ai/catalog/standards/sist/49d78777-1dcb-40b0-bc47-4cdb8465914c/sist-en-60947-4-2-1998-a2-2000>