

PLUGS AND SOCKET-OUTLETS TYPES IN EACH CENELEC COUNTRY

In general, **supply cords** of single-phase **portable appliances** having a **rated current** not exceeding 16 A shall be fitted with a plug complying with the following standard sheets of IEC 60083:1975:

- for **class I appliances** standard sheet C2b, C3b or C4;
- for **class II appliances** standard sheet C5 or C6.

However, there are some exemptions or differences in certain CENELEC countries:

Plugs according to standard sheet C 2b are not allowed in Belgium, France and the United Kingdom.

Plugs according to standard sheet C 3b are not allowed in Austria, Finland, Germany, Iceland, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Belgium

Only plugs and socket-outlets according to NBN C 61-112-1 (-2 & -3) are allowed, taking into account the class of the appliance and the rated current and voltage.

Cyprus

Only plugs according to British Standards BS 1363 and BS 4573 are allowed.

Denmark

Supply cords of single-phase appliances having a rated current not exceeding 13 A shall be provided with a plug, unless otherwise specified in part 2 of EN 60335, according to DS 60884-2-D1:2011 and the following table: (from November 2011)

Plugs	With earth				Without earth		For class II appliances		
	Rated values	10A, 13A or 16A 250V	16A 250V						
Standard sheet	DK 2-1a	C2b	C3b	C4	DKA 2-1a	DKA 2-1b	C5 alternativ II	C5 alternativ I	C6

Multi-phase appliances and single-phase appliances having a rated current exceeding 13 A and provided with a supply cord and a plug, the plug shall comply with the following table:

Class	Plug	
	DS 60884-2-D1:2011 Standard sheet	EN 60309-2 Standard sheet
I II	DK 6-1a DK 6-1a*	2-II, 2-IV 2-II, 2-IV*

* Earthing contact not connected.

NOTE These plugs are also allowed for appliances having a rated current equal to or less than 13 A.

Socket-outlets can be used in class I appliances and shall be according to DS 60884-2-D1:2011 and the following table: (from November 2011)

Socket-outlets	Rated values	Standard sheet
Fixed or portable socket-outlets with earthing contact	13A or 16A 250V	DK 1-1b
Fixed or portable socket-outlets with pin-earth		DK 1-1c
Fixed or portable socket-outlets with side-earth		DK 1-1d

Finland

Only plugs according to Publications SFS 5610 and SFS-EN 50075 are allowed. These plugs are shown in IEC/TR 60083.

Germany

Plugs allowed in Germany are specified in DIN 49400.

Greece

Special national conditions based on regulations applicable to plugs: Government Gazette No 67/B/28-1-2000

National Standards applicable to plugs:

- ELOT EN 50075:1992 "Flat non-rewirable two-pole plugs, 2,5 A, 250 V, with cord, for the connection of class II equipment for household and similar purposes" (identical to EN 50075:1990)
- ELOT 294:1997 (identical to CEE 7)
- ELOT 1413-1:1999 "Plugs and socket-outlets for household and similar purposes (identical to IEC 60884-1:1994 +A1:1994+A2:1995) (tests are performed with the current edition of IEC 60884-1 and ELOT 1413-1).

Characteristics of the plugs:

N° of poles	Rated current (A)	Rated voltage (V)
2	2,5	250
2	16	250
2+earth	16	250

Characteristics of the socket-outlets:

N° of poles	Rated current (A)	Rated voltage (V)
2	2,5	250
2+earth	16	250

In the Greek market mainly socket outlets with side earth contacts (schuco type) can be found, but also socket outlets with pin earth (French type) and Italian style socket outlets can be found.

Ireland

Only plugs according to standard sheets B2 and C5 are allowed.

Italy

Only plugs according to the Standard CEI 23-50 and CEI EN 50075 are allowed.

Netherlands

Only plugs according to NEN 1020 are allowed, standard sheets:

- II 10/16 A 250 V class 0 plug* (L+N) [TR IEC 60083 - NL 1]
- CII 6 A 250 V class 0 plug* (L+N) [TR IEC 60083 - NL 6]
- IV 10/16 A 250 V class I plug (L+N+PE) with side earthing [TR IEC 60083 - NL 2]
- VII 10/16 A 250 V class I plug (L+N+PE) with side and pin earthing [TR IEC 60083 - NL 2]
- XVI 2,5 A 250 V class II plug (L+N):
 - Variant I = round
[TR IEC 60083 - NL 3]
 - Variant II = flat
[TR IEC 60083 - NL 35]
- XVII 10/16 A 250 V class II plug (L+N) [TR IEC 60083 - NL 4]
Or plugs according IEC 60884, standard sheet DIN 49446
- Perilex 16 A 230/400 V class I plug L1/L2/L3+N+PE) [TR IEC 60083 - DE]

* As class 0 appliances are not allowed anymore, the class 0 plugs are faced out.

Norway

Only plugs according to standard sheets NO 2, NO 4, NO 5 and NO 6 of IEC/TR 60083:2009 are allowed.

Slovenia

Only plugs and socket-outlets according to SIST 1050:2010 are allowed.

Spain

For appliances for household use, only the following plugs are allowed:

- according to UNE 20315: ESC 10b, ESB 25b, ESB 32b, C2b, C4 or C6;
- according to UNE-EN 50075.

Switzerland

Supply cords of portable household and similar electrical appliances having a rated current not exceeding 16 A shall be provided with a plug complying with SEV 1011:2009:

SEV 5932-2:2009	Plug Type 25	3L + N + PE	250 V/440 V, 16 A
SEV 5933-2:2009	Plug Type 21	L + N	250 V, 16 A
SEV 5934-2:2009	Plug Type 23	L + N + PE	250 V, 16 A
SEV 6532-2:2009	Plug Type 15	3L + N + PE	250 V/440 V, 10 A
SEV 6533-2:2009	Plug Type 11	L + N	250 V, 10 A
SEV 6534-2:2009	Plug Type 12	L + N + PE	250 V, 10 A
or			
EN 50075	Plug L+N	L + N	250V, 2,5A

United Kingdom

Only plugs according to standard sheets B2, C5, GB1, GB6 and GB7 are allowed.

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