
Hidravlične rezalne naprave za kable za uporabo v električnih inštalacijah z nazivno napetostjo do 60 kV AC

Hydraulic cable cutting devices to be used on electrical installations with nominal voltage up to 60 kV AC

Hydraulische Kabelschneidgeräte für den Einsatz an elektrischen Anlagen mit Nennspannung bis 60 kV AC

Dispositifs coupe-câbles hydrauliques à utiliser sur des installations électriques de tension nominale jusqu'à 60 kV en courant alternatif

Ta slovenski standard je istoveten z: **prEN 50340:2026**

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13.260	Varstvo pred električnim udarom. Delo pod napetostjo	Protection against electric shock. Live working
29.240.20	Daljnovodi	Power transmission and distribution lines
29.260.99	Druga električna oprema za delo v posebnih razmerah	Other electrical equipment for working in special conditions

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DRAFT
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Hydraulic cable cutting devices to be used on electrical installations with nominal voltage up to 60 kV AC

Dispositifs de coupe de câbles hydrauliques à utiliser sur des installations électriques avec une tension nominale jusqu'à 60 kV AC

Hydraulische Kabelschneidgeräte für den Einsatz an elektrischen Anlagen mit Nennspannung bis 60 kV AC

This draft European Standard is submitted to CENELEC members for enquiry.
Deadline for CENELEC: 2026-07-24.

It has been drawn up by CLC/TC 78.

If this draft becomes a European Standard, 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.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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Contents		Page
4	Foreword	5
5	Introduction	6
6	1 Scope	7
7	2 Normative references	7
8	3 Definitions	8
9	4 Requirements	9
10	4.1 Cable cutting device	9
11	4.1.1 General requirements	9
12	4.1.2 The composition of the cutting device and all requirements shall be verified by test of	
13	5.2.1 Operating at environmental conditions	10
14	4.1.3 Maximum operating pressure	10
15	4.1.4 Durability	10
16	4.2 Cutting head	10
17	4.2.1 Accuracy of cutting	10
18	4.2.2 Hardness of the blade(s)	10
19	4.2.3 Function of cutting head	10
20	4.2.4 Reopening of blade(s)	10
21	4.3 Insulating hose assembly	10
22	4.3.1 General	10
23	4.3.2 Length	11
24	4.3.3 Dielectric	11
25	4.3.4 Mechanical requirements	11
26	4.4 Insulating hydraulic fluid	11
27	4.5 Pump	11
28	4.5.1 General requirements	11
29	4.5.2 Stability	11
30	4.5.3 Maximum working force	11
31	4.5.4 Protection of the pressure setting	12
32	4.5.5 Number of strokes	12
33	4.6 Safety valve	12
34	4.7 Reverse flow valve	12
35	4.8 Pressure gauge	12
36	4.9 Hydraulic coupler	12
37	4.10 Bonding and earthing systems	12
38	4.10.1 Bonding system	12
39	4.10.2 Earthing system	12
40	4.11 Marking	13
41	4.11.1 Cutting head	13
42	4.11.2 Insulating hose	14
43	4.11.3 Insulating hose assembly	14
44	4.11.4 Pump	15
45	4.12 Instructions for use	15
46	5 Tests	15

47	5.1	General	15
48	5.2	Inspection, instructions for use and marking	15
49	5.2.1	Inspection.....	15
50	5.2.2	Instructions for use.....	15
51	5.2.3	Marking	16
52	5.3	Test of the insulating hose assembly.....	16
53	5.3.1	General	16
54	5.3.2	Measurement of the length of the insulating hose assembly.....	16
55	5.3.3	Electrical testing.....	16
56	5.3.4	Mechanical testing	18
57	5.4	Dielectric strength of the hydraulic fluid	18
58	5.5	Hardness of the blade(s).....	18
59	5.6	Test under maximum pressure	19
60	5.7	Self-acting opening test	19
61	5.8	Accuracy of cutting.....	20
62	5.9	Working force of the pump.....	20
63	5.10	Operation and stability in inclined position.....	21
64	5.11	Operation of the safety valve	22
65	5.12	Pressure strength of the cable cutting device.....	22
66	5.13	Functional test.....	23
67	5.14	Test on a complete device	23
68	5.14.1	General	23
69	5.14.2	Test arrangement.....	23
70	5.14.3	Test execution.....	24
71	5.15	Test on earthing system.....	25
72	6	Method for assessment of defects and verification of performance applicable to cable cutting	
73		device having completed the production phase	26
74	6.1	General	26
75	6.2	Alternative tests for critical defects on device having completed the production phase	26
76	6.2.1	General	26
77	6.2.2	Alternative routine test on operation of the safety valve and on pressure strength	26
78	6.3	no insulating hydraulic fluid has leaked. Alternative tests for major and minor defects on devices	
79		having completed the production phase.....	27
80	6.3.1	General	27
81	6.3.2	Sampling plan	27
82	7	Modifications	27
83	Annex A (normative)	Instructions for use.....	28
84	Annex B (informative)	Additional recommendations and information to the instructions for use	30
85	Annex C (normative)	List of type tests.....	32
86	Annex D (normative)	Classification of defects and tests to be allocated.....	33
87	Annex E (informative)	Rationale for the classification of defects.....	34
88	Annex F (informative)	Background.....	35
89	Bibliography.....		36

prEN 50340:2026 (E)

90	Figures	
91	Figure 1 — Example of cable cutting device	9
92	Figure 2 — Examples of writing the highest nominal voltage and “Double triangle” symbol –	
93	IEC 60417-5216.....	14
94	Figure 3 — Depiction of outer jacket removal	17
95	Figure 4 — Test configuration for measurement of the leakage current.....	18
96	Figure 5 — Self-acting opening test — Tackle-points to strain the blade(s).....	20
97	Figure 6 — Pump force - Test arrangement.....	21
98	Figure 7 — Stability — Test arrangement	22
99	Figure 8 — Test on a complete device arrangement principle.....	24
100	Figure 9 — Principle of a test cycle	25
101	Figure 10 — Earthing system - Test arrangement	26
102	Tables	
103	Table 1 — maximum permissible operating voltage	11
104	Table 2 — Test voltage for test of insulating hose assembly.....	17
105	Table 3 — Forces to be applied to the blade(s) to oppose the opening action.....	19
106	Table 4 — Sampling plan	27
107	Table C.1 — Chronological order for type testing on a complete device	32
108	Table C.2 — List of type tests on components.....	32
109	Table D.1 — Classification of defects and associated requirements and tests	33
110	Table E.1 — Justification for the type of defect ‘to be worked on’	34

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111 **Foreword**

112 This document (prEN 50340:2026) has been prepared by the Technical Committee CENELEC TC 78,
113 Equipment and tools for live working.

114 This document is currently submitted to the Enquiry.

115 The following dates are proposed:

- latest date by which the existence of this edition (doa) dav + 6 months
has to be announced at national level
- latest date by which this edition has to be implemented (dop) dav + 12 months
at national level by publication of an identical
national standard or by endorsement
- latest date by which the national standards conflicting (dow) dav + 36 months
with this edition have to be withdrawn (to be confirmed or
modified when voting)

116 This document will supersede EN 50340:2010 and all of its amendments and corrigenda (if any).

117 prEN 50340:2026 includes the following significant technical changes with respect to EN 50340:2010:

- 118 — definitions revised;
- 119 — standard references were updated;
- 120 — requirements and tests of the nominal voltages were extended to 60 kV;
- 121 — only one method of determining the insulating hose assembly was chosen;
- 122 — a mechanical endurance test was inserted;
- 123 — dielectric test of insulating hose assembly was changed.

prEN 50340:2026 (E)**124 Introduction**

125 The cable cutting devices specified here are designed to protect the user while verifying whether the cable is
126 dead.

127 In some countries, it is necessary where the cable to be cut is live that the first action of the cutting device is
128 to make, on a multi-phases cable, only a single-phase fault to earth so that the protective devices of the network
129 can operate on a single-phase fault.

130 This revision specifies requirements and tests for these cable cutting devices.

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131 **1 Scope**

132 This document is applicable to cable cutting devices to be used to verify that a cable is dead in accordance
133 with the rules given in EN 50110.

134 NOTE It can also be used as an example when dismantling cable installations.

135 The following limits apply to the cable cutting devices:

- 136 — pressure less than 1 000 bar or pressure (bar) x volume (l) less than 10 000;
- 137 — fluid outside the categories listed in Article 13 Group 1 (explosive, extremely flammable, highly flammable,
138 flammable (where the maximum allowable temperature is above flashpoint), very toxic, toxic, oxidizing) of
139 the Pressure Equipment Directive 2014/68/EU.

140 Cable cutting devices specified in this document are for use on systems with nominal voltage up to 60 kV AC
141 and nominal frequencies up to 60 Hz and are only suitable for operation by foot or by hand. This document
142 does not cover motorised cable cutting devices.

143 This document is intended to be used as a guide for devices to be used on systems with nominal voltages
144 above 60 kV AC, but additional requirements and tests can be agreed between manufacturer and customer to
145 provide an equivalent level of safety.

146 Cable cutting devices are not designed to be used on cables with special armour, or with steel wires or steel
147 tapes more than 1 mm in diameter or thickness.

148 The products designed and manufactured according to this document contribute to the safety of the users
149 provided they are used by skilled persons, in accordance with safe methods of work and the instructions for
150 use.

151 **2 Normative references**

152 The following referenced documents are indispensable for the application of this document. For dated
153 references, only the edition cited applies. For undated references, the latest edition of the referenced document
154 (including any amendments) applies.

155 EN 12164:2024, *Copper and copper alloys - Rod for free machining purposes*

156 EN 60060-1:2010, *High-voltage test techniques - Part 1: General definitions and test requirements (IEC 60060-
157 1:2010)*

158 EN 60060-2:2011, *High-voltage test techniques - Part 2: Measuring systems (IEC 60060-2:2010)*

159 EN IEC 60156:2025, *Insulating liquids - Determination of the breakdown voltage at power frequency - Test
160 method*

161 EN 60212:2011, *Standard conditions for use prior to and during the testing of solid electrical insulating
162 materials (IEC 60212:2010)*

163 EN 61111, *Live working - Electrical insulating matting (IEC 61111:2009)*

164 EN 61230:2008, *Live working - Portable equipment for earthing or earthing and short-circuiting (IEC
165 61230:2008)*

166 EN IEC 61318:2021, *Live working - Methods for assessment of defects and verification of performance
167 applicable to tools, devices and equipment (IEC 61318:2021)*

168 EN 62237:2005, *Live working - Insulating hoses with fittings for use with hydraulic tools and equipment (IEC
169 62237:2003, mod.)*

170 EN ISO 6508-1:2023, *Metallic materials - Rockwell hardness test - Part 1: Test method (ISO 6508-1:2023)*