



**60623—
2019**

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-

(IEC 60623:2017, IDT)



2019

60623—2019

1 « » (-
 « »)
 , 4 -

2 044 « »

3 7 2019 . N 1001-

4 60623:2017 «
 -
 » (IEC 60623:2017 «Secondary cells and batteries con-
 taining alkaline or other -acid electrolytes. Vented nickel-cadmium prismatic rechargeable single cells»,
 IDT). -

5 60623—2008

6 (IEC) -

29 2015 . N9 162- « 26 -
 () « 1)
 — « », -
 () « », -
 « » -

(www.gost.ru)

© , . 2019

1	.....	1
2	.....	1
3	.....	1
4	.....	2
5	.....	2
5.1	().....	2
5.2	().....	3
5.3	.....	3
5.4	.....	3
5.5	.....	3
6	.....	4
7	.....	5
7.1	.....	5
7.2	.....	5
7.2.1	.....	5
7.2.2	.....	5
7.2.3	.....	6
7.2.4	.....	6
7.3	.....	6
7.3.1	.....	6
7.3.2	20	6
7.3.3	5	7
7.3.4	18 °C.....	7
7.3.5	7
7.3.6	8
7.3.7	9
7.4	9
7.5	().....	10
7.5.1	10
7.5.2	().....	10
7.6	10
7.7	11
7.8	11
7.8.1	11
7.8.2	11
7.8.3	11
7.9	12
8	12

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9	12
10	()	12
10.1	12
10.2	13
	() (CCCV).....	14
	()	16
	17

Secondary cells and batteries containing alkaline or other non-acid electrolytes.
Vented nickel-cadmium prismatic rechargeable single cells

— 2020—05—01

1

2

IEC 60050*482:2004, International Electrotechnical Vocabulary — Part 482: Primary and secondary cells and batteries (482-01-01)

IEC 60417¹: Graphical symbols for use on equipment (
<http://www.graphicalsymbols.info/equipment>)

3

60050-482.

3.1 (vented cell): <http://www.electropedia.org/>;
<http://www.iso.org/obp>.

IEC 60417-DB-12M:2002.

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3.2 (nominal voltage): -

1 - 1.2
2 -

[60050-482:2004. 482-03-31. : « -
» « » 1 2]

3.3 (discharge voltage, closed circuit voltage, depr.: on load voltage): ()
)

[60050-482:2004, 482-03-28]

3.4 (rated capacity): ,

5 • (-), 8 5 ,
, 8 7.3.2.

[60050-482:2004, 482-03-15, : « »
)

3.5 (CCCV charge): ()
().

4

- a) 11 % — ;
- b) ±1 % — ;
- c) ±2 °C — ;
- d) 10,1 % — ;
- e) ±1 % — .

5

5.1 ()

L. . X, :
- (L);
- ();
- ();
- (X).

1 , ;
- L — 0.5/ ;
- — 3.5/ ;
- — 7. ;
- X — 7.0/ .
2 / , = 5. - /1 (. 61434).

18 « . , 5. 20 °C 5 ' . 185 185 5. « » , -

185 .

5.2 () -

18 * . 5' 20 * . , -

185 -35/+45. CCCV. -

185PCCCV. R

I_c . 185 R1. .

185 1500. ,

185 -35/+45 CCCV R1 1500.

5.3

5.4

: (5.1 5.2;) ; (-

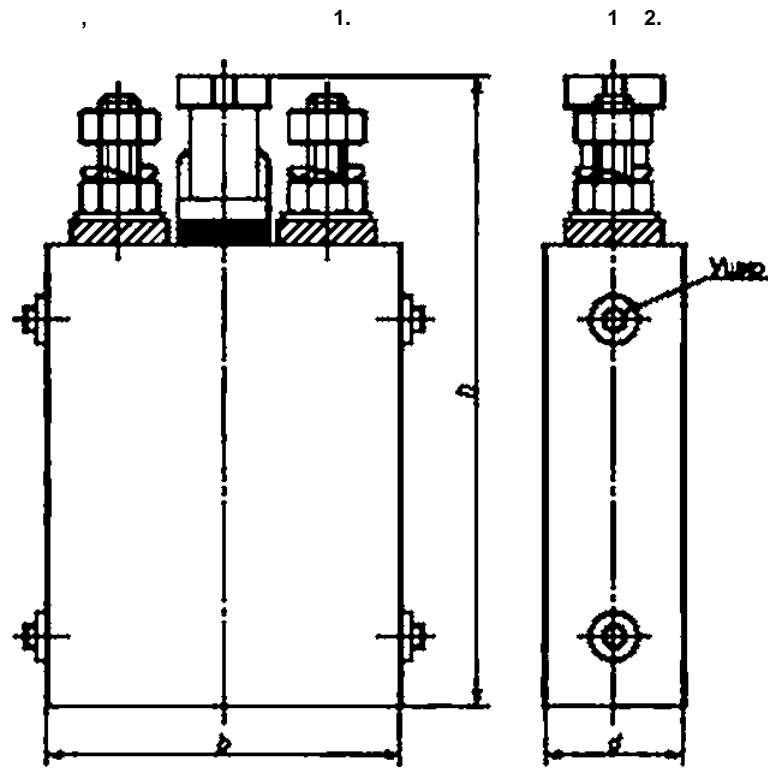
«) (. 60417-5005:2002-10). -

5.5

IEC/TR 61438. .

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6



1
2

(),
().

1—
8

()

1—

		<i>d</i>
81	291	83
105	350	91. 130
131	409	36. 50. 56.66. 78. 94
148	409	52. 76.100
157	409	66. 84. 95.116.134.143.147. 166, 200. 225.242. 410
188	409	128

2—

		<i>d</i>
62	178	28
78	285	50
81	241	28. 36. 43.48

2

<i>b</i>	<i>h</i>	<i>d</i>
87	273	47.86
123	273	28.40. 50. 61
138	406	48. 55.61. 70. 77. 85. 105.115. 265
147	285	53. 78. 102
165	406	42, 66.75. 105. 110. 130. 160
173	375	122. 197, 287. 392. 517
195	406	29. 34.40. 50. 64.80.94. 115

1 , 1 2, . -
 2 , 1 2. : -
 3. 1 2.
 3 , 1 2.
 4 , 1 2. , . . L, . X .
 3— ()

60	0—2
60. 120	0—3
120	0—4

7

7.1

7.1—7.9

(\$)

$$I = 5 \cdot I_1$$

7.2

7.2.1

(20 ± 5) °C

0.2/.

1.0 .

*

() ;

(. CCCV).

7.2.2

(20 ± 5) °C.

7 8 .

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7.2.3

(. CCCV).

: 185 CCCV R1.

7.2.4

(, 0,5/,, , 1/,,),
R.

4

4—

R

0.5/,	1.0/,	2.0/,	3.0/,
-------	-------	-------	-------

0.2/,,

7.3

7.3.1

20

5' / 18 * .

7.3.2 20 °C

7.3.2.1

1 .

4

7.2.2.

(20 ± 5) °C.

5

7.3.2.2

5.

0.21/,,

5—

20 *

		L			X
0.2/, ⁸	1.0	5	5	5	5
1.0/,	1.0	—	40	50	55
5.0/,	0.8	—	—	4	7
10.0/,	0.8	—	—	—	2
⁸		⁸			
7.2.2.		5/,, . 10/,, .		0.2/,, . 7.2.1	

7.3.3
7.3.3.1

5 °C

7.2.2.
(5 ± 2) ' 24 . -
(5 ± 2) " 6.
24 .

7.3.3.2

6.

6—

5 *

		L			X
0.2/ι	1.0	4 15	4 25	4 35	4 45
1.0/ι	1.0	—	31	43	52
2.0/ι	1.0	—	—	12	22
5.0Jι ⁸	0.8	—	—	—	5 30

2Jι . . 5/ι . -
(20 ± 5) " 7.2.1 7.2.2. 0.2/ι . -

7.3.4
7.3.4.1

18

7.2.2.
(18 ± 2) °C 24 . -
(18 ± 2) * -
24 .

7.3.4.2

7.

7—

18 *

		L			X
0^/,	1.0	2 30			4
1.04	0.9	—	15	25	35
2.0/ι'	0.9	—	—	7 30	12
5.0/ι ⁸	0.8	—	—	—	3 30

2/ι . . 5/ι . -
(20 ± 5) ' 7.2.1 7.2.2. 0.2 . -

7.3.5
7.3.5.1

T_L

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7.3.5.2

40 °C. T_L () 5 ' . 25 ' , 30 °C, 35 °C. 8. 8—

		L			X
0.2/,'	1.0	2 30			
1.0/,'	0.9	—	15	20	30
2.0/,'	0.9	—	—	5	10
(20 15) °C		7.2.1 7.2.2.		0.2/,' .	

1. 20 °C () 7.2.2, 7.2.3 7.2.4 T_L
 16 24 . T_L . -
 3. 8. 7.3.5.3 3. 11 -
 7.3.6 T_L
 7.3.6.1 30 °C , -
 7.3.6.2 5 °C. 30 °C. 35 °C. 40 °C. (-
 9. 9—

		L			X
0.2/,'	1.0	5	5	5	5
1.0/,'	1.0	—	40	50	55
5.0/,'	0.8	—	—	4	7

" T_L , 8. 8

9

		L			X
10,0/	0.8	—	—	—	2
					8
					5/,, . ,. .
					0.2/,, . . 7.2.1
7.2.2.					

1. (7.2.2, 7.2.3 7.2.4)
 2.
 4 .
 3. *
 9,
 7.3.6.3
 , 3,
 ”
 7.3.7
 7.3.7.1
 7.3.7.2
 7.2.2.
 1 , 4 (20 ± 5) °C.
 5
 10.
 10—

L	6 ,
	10/,
	15/,
X	20/,

7.3.7.3

7.4

7.2.2

28

(20 ± 2) ' .
 (20 ± 5) °C.

”

9.

9

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7.3.2. 0.2/,,

4 .

7.5 ()

7.5.1 (2015) °C.

40 * .

7.2.2.

7.5.2 ()

7.5.2.1 1—50

11.

49- 50-

50

11 —

1	0.25/,, . 6 /,, . 1 / * 0,25/,, . 2	0.25/,, . 2 30
2—48	0.25 . . 3 30 /,, . 8 0.6/ + 0.25/,, . 1	0.25/,, . 2 30
49	0.25/,, , 3 30 / . 0.6/ + 0.25/,, . 1 *	0.2/,, 1.0
50	0.2/,, . 7—	0.2/,, 1.0
R 7.2.4.		

7.5.2.2

1—50

50- , 3 30 .

7.3.2 0.2/,, .

3 30 .

500.

500.

» « » «

5.2.

100 (. 800.1500).

7.6

7.2.1.

24)

12. (CCCV) 7.2.3.

12 —

	1.42510.005
	1.45510.005
KL	1.495 1 0.005

R .

(20 ± 5) .

13.

13 —

0.05	30
0.1	24
0.2	24
0.5	12
1.0	6
2.0	6
3.0	6

1

4

(20 ± 5) ' .

0,2/т .

7.3.2.

4 .

7.7

7.8

7.8.1

8

7.8.2

7.2.2

7.2.3.

0,05/с .

2 . ,

2

1/200 / .

7.8.3

8

0.05 /

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7.9

(20 ± 5) *

12

(65 ± 20) %.

(20 ± 10) .

7.3.2,

8

9

10

()

10.1

14.

21.

(8.)

14.

14—

21	5.4 6 7.3.2	20 *		0
5	7.3.3 / 7.3.4 7.3.5 7.3.6 7.3.7	5 *	18 '	1
5	7.5.2			1

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14

D	5	7.6 7.4 7.8		1	1
	5	7.9 9		1	

10.2

AQL

15.

60410.

15—

				AQL. %
			II	4
	6 5.4	:	S3 S3 S3	1 1 1
	7.3.2	:	II S3	0.65 1

AQL.

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()

(CCCV)

13. 8 () .

20 * ;

() .

() .

5 .1.

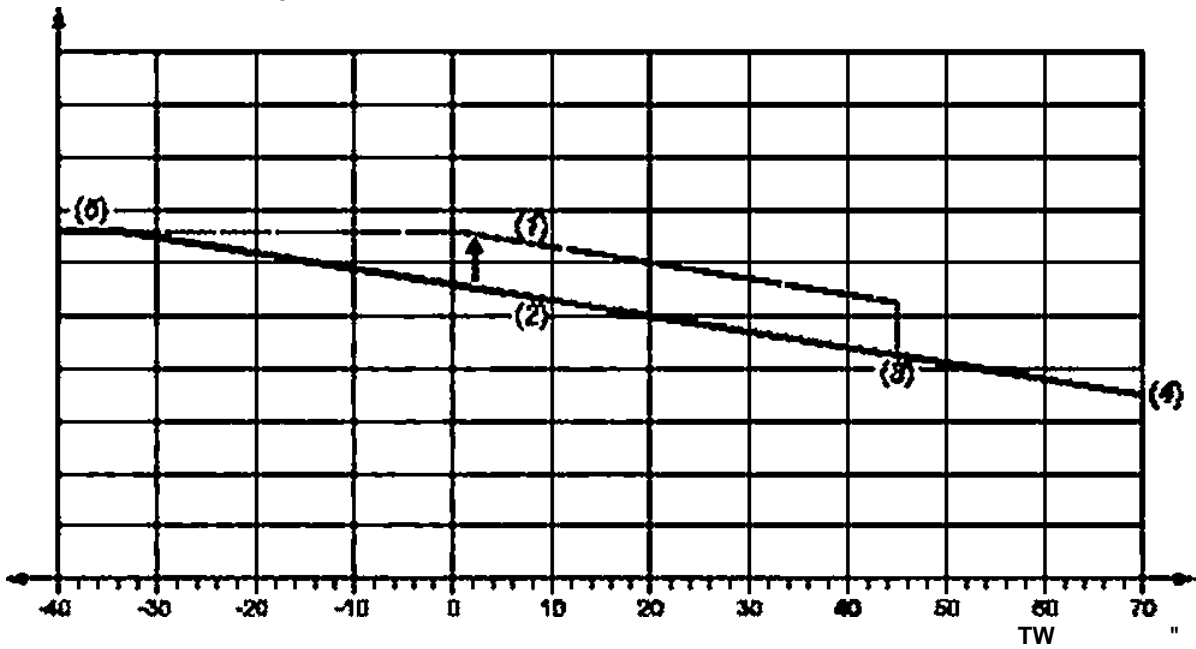
.1—

		20 *	20 *	
-	-	1.47 / *	1»	. 2 .1
-	20 *			
(-	1.45 /	1.65 /	. 2 .1
)	-		45 *	. 3 .1
	-			
		-3 /		. .1
	-		70 '	. 4 .1
(-			
)	-		/<0.05/	-
	-			

.1

		20 *	20-	
	-	/ > 0,05 / A²		-
11 %.				
0,003 /				
(CCCV).		20 *	20'	

.9



*-----

20 * (3 /)

() ,

()

20 *) . (5)

, . . .

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()

.1

IEC 60050-482:2004	—	•
IEC 60417	—	•
*		-

IEC 60051 {all parts}	Direct acting indicating analogue electrical measuring instruments and their accessories ()	-
IEC 60410	Sampling plans and procedures for inspection by attributes ()	
IEC 60485 ¹¹	Digital electronic d. . voltmeters and d.c. electronic analogue-to-digital convertors { d. . d. . - })	
IEC 61434	Secondary cells and batteries containing alkaline or other -acid electrolytes — Guide to designation of current in alkaline secondary cell and battery standards (, -)	-
IEC/TR 61436	Possible safety and health hazards in the use of alkaline secondary cells and batteries — Guide to equipment manufacturers and users ()	-

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621.355.8:006.354

29.220.30

2 27.20.23.11

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10—2019/7

18.10.2019. 01.11.2019. 841/ . .
. . . 2.79. .- . . 1.90.
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« . 117418 . »
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