

60086-2—
2019

2

(IEC 60086-2:2015,)



2019

60086*2—2019

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4 ,

2 044 « »

3 8 2019 . 893- -

4 60086-2:2015 « -
2. » (IEC 60086-2:2015 «Primary batteries.
Part 2: Physical and electrical specifications». IDT) -

5 60086-2—2011

6 (IEC) . -

29 2015 . N9 162- « 26 -
) () « » 1 -
() « », « » -
» . « -
(www.gost.ru)

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Primary batteries. Part 2. Physical and electrical specifications

— 2020—05—01

1

2

8

IEC 60086-1:2015. Primary batteries — Part 1: General ():
 ISO 1101, Geometrical Product Specifications (GPS) — Geometrical tolerancing — Tolerances of form, orientation, location and run-out (GPS).

3

8

3.1

3.1.1

(application test):

3.1.2

; (closed-circuit voltage; CCV):

3.1.3

U_{PK} (end-point voltage; EV):

3.1.4

): (minimum average duration):

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3.1.5

() U_n [nominal voltage (of a primary battery); V_n]:

(60050-482:2004, 482-03-31. : « »)

3.1.6 ; (open-circuit voltage. OCV):

3.1.7 () [primary (cell or battery)]:

3.1.8 () (round (cell or battery)):

3.1.9 () (service output (of a primary battery):

3.1.10 ; (service output test):

- a)
- b)

3.1.11

(storage life):

(60050-482:2004, 482-03-47. : « » « - »]

3.1.12 () [(terminals (of a primary battery))]:

3.2

U_o — ;

— ;

I_2 — () ;

U_n —

4

— ;

I_2 —

():

h_3 — ;

h_A — ;

h_s — ;

d_1 — ;

d_2 — () ;

d_3 — ;

d_A — () ;

d_s — ;

d_6 — ;

d_j — ;

0 — ().

1 .

d_6 $d?$.

$$d_e > d_3$$

$$d_2 > d_1$$

5

5.1

5.2

5.3

5.4

5.5

5.6

5.7

a) 1:

R1. R03. R6P. R6S. R14P, R14S. R20P. R20S;

LR8D425. LR1. LR03. LR6. LR14. LR20:

FR10G445. FR14505;

b) 2:

CR14250. CR15H270. CR17345. CR17450. BR17335;

c) 3:

LR9. CR11108:

d) 4:

PR70, PR41, PR48. PR44;

LR41. LR55, LR54. LR43, LR44;

SR62. SR63. SR65. SR64. SR60. SR67. SR66. SR58. SR68. SR59. SR69. SR41. SR57. SR55. SR48.

SR54. SR42. SR43. SR44;

CR1025. CR1216. CR1220. CR1616. CR2012. CR1620, CR2016, CR2025. CR2320. CR2032, CR2330.

CR2430. CR2354. CR3032. CR2450;

BR1225. BR2016, BR2320. BR2325. BR3032;

e) 5 — :

4LR44;

2CR13252;

4SR44:

5AR40:

0 6 — :

3R12P. 3R12S, 3LR12;

4LR61;

CR-P2;

2CR5;

4R25X. 4LR25X;

4R25Y;

4R25-2. 4LR25-2;

6F22. 6LR61. 6LPP3146:

6AS4;

6AS6.

5.8

6.

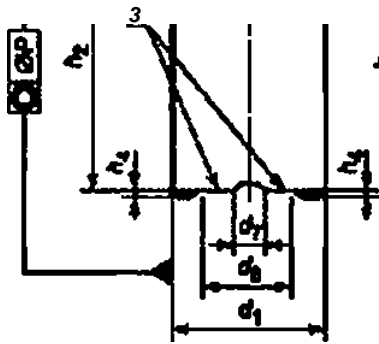
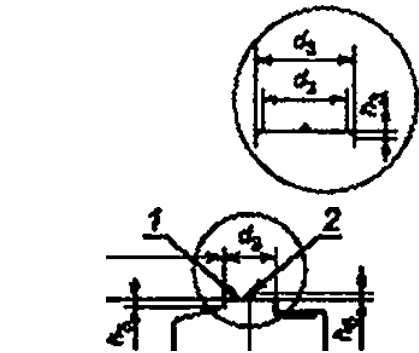
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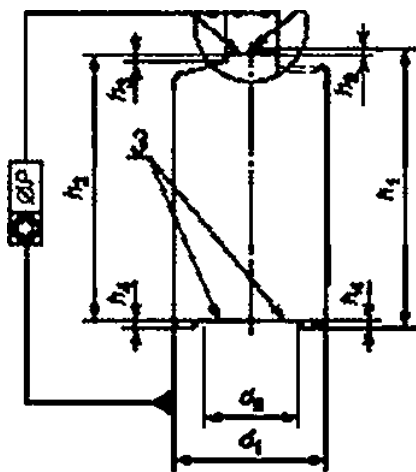
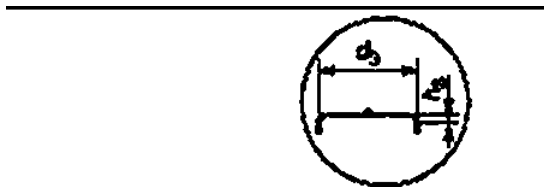
6.1

1

6.1.1



1



1b

1 —

1

4.

60086-1.

1 —

1 —

1 1 .

h_2

h_A

0

1101.

1 —

2 —

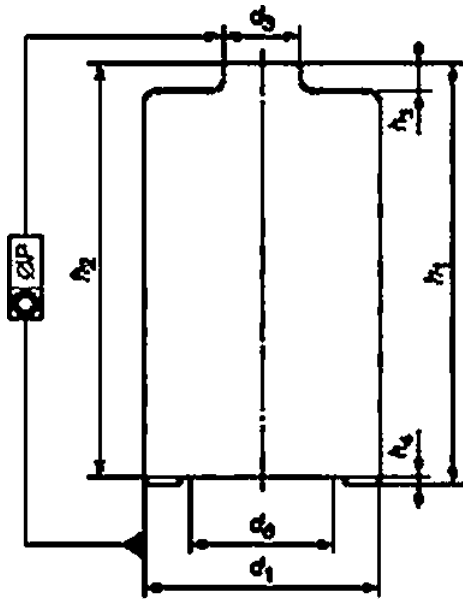
0.4)

3 —

6.1.2

1 —

: LR20, R20P, R20S



2 — LR20, R20P, R20S

	LR20	R20P	R20S
.	61.5	61.5	61.5
.	59.5	59,5	59.5
*3	1.5	1.5	1.5
*4	1.0	1.0	1.0
.	34.2	34.2	34.2
.	32.3	32.3	32.3
<*3	9.5	9.5	9.5
.	18.0	18.0	18.0
0	1.0	1.0	1.0

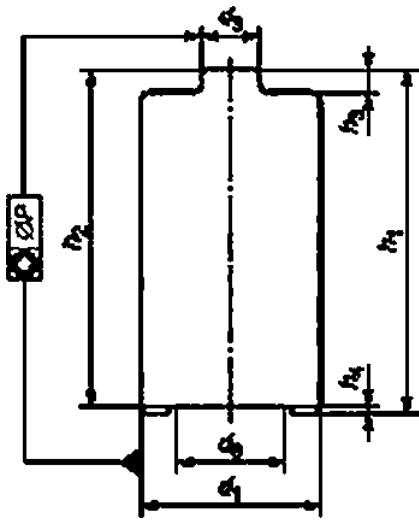
				L		
				LR20	R20P	R20S
				()	(
				D		D
..				1.5	1.5	1.5
^.				1.68	1.73	1.73
12				90	80	80
(%)						
				*) ()		
	2.2	4 /15 8 /	0.9	750	220	85
	22	1	0.6	16	5,5	2
	10	4	0.9		33	18
	600	2	0.9	11		
^ (. 60086-1:2015. 3,)						

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6.1.3

1—

: LR14, R14P, R14S



3—

LR14, R14P, R14S

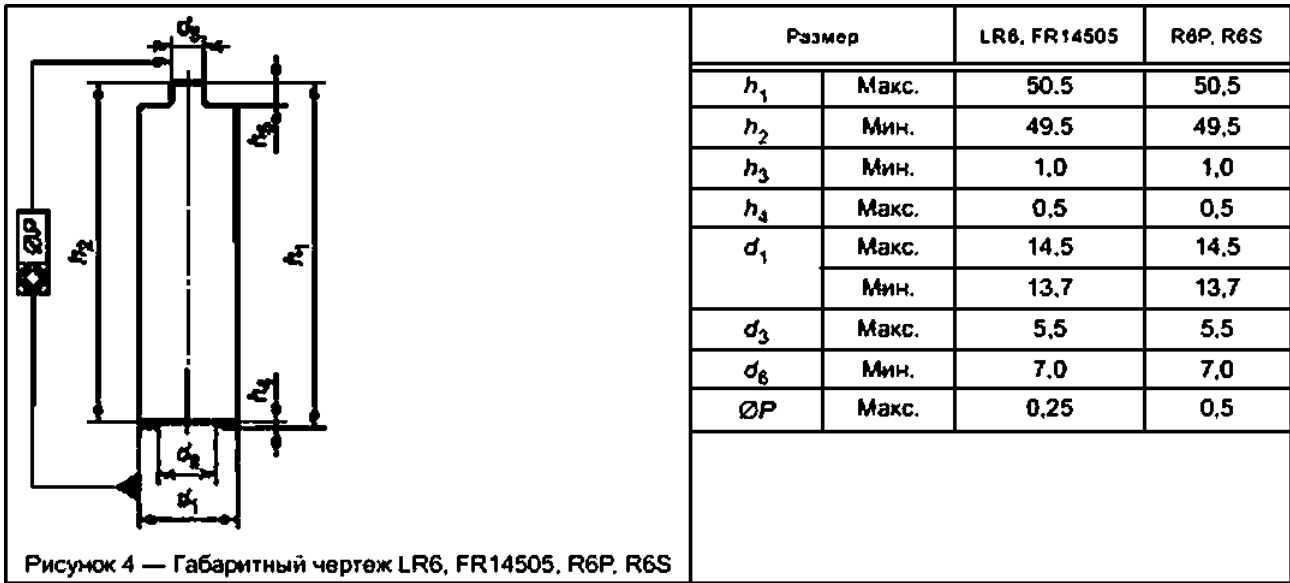
		LR14	R14P	R14S
		50.0	50.0	50.0
		48.6	48.6	48.6
*3		1.5	1.5	1.5
4		0.9	0.9	0.9
		26.2	26.2	26,2
		24.9	24.9	24.9
d_3		7.5	7.5	7.5
		13,0	13,0	13,0
0		1.0	1.0	1.0

				L		
				LR14	R14P	R14S
					()	()
				1.5	1.5	1.5
HPiUc.B				1.68	1.73	1.73
		12	(%)	90	80	80
				** ()		
	3.9 0	1	0.8	14	4	1.5
	3.9	4 /15	0.9	790	200	90
	400	2	0.9	8		
I (. 60086-1:2015, 3.)						

6.1.4

1 —

: LR6, FR14505, R6P, R6S



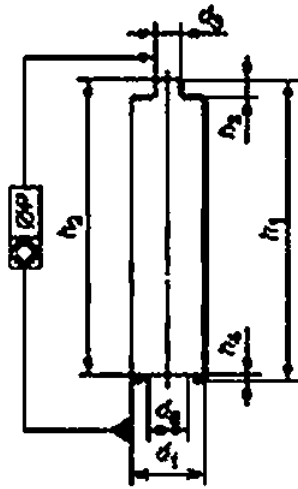
				L	F		
				LR6	FR14505	R6P (-)	R6S (-)
					. FR6		
				1.5	1.5	1.5	1.5
^.				1.68	1.83	1.73	1.73
(%)				12	-	90	80
				! ()			
				1.05	40	370	
				3.9	4 / 8 /	0.9	230
				3.9	1	0.8	5
				250	1	0.9	5
CD.				100	1	0.9	15
				43	4	0.9	-
				50	1 / 24 /	1.0	30
				1000	4 / 15 / 8 /	1.0	-
»>				(. 60086-1:2015. 3.)			
>				: 10	1500	2	650 28 . 55

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6.1.5

1 —

: LR03. FR10G445, R03



5 —

LR03. FR10G445, R03

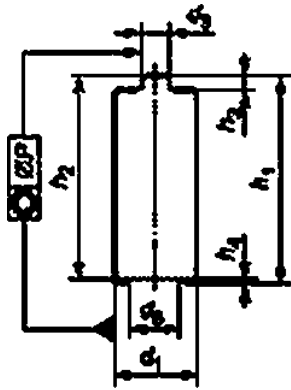
		LR03. FR10G445	R03
	.	44.5	44,5
	.	43.5	43,5
	.	0.8	0.8
∧	.	0.5	0.5
α1	.	10,5	10,5
	.	9.8	9.8
∧*3	.	3.8	3.8
	.	4.3	4.3
0	.	025	0.4

				L	F	
				LR03	FR10G445	R03
					AAA. FR03	
				1.5	1.5	1.5
HPLW-				1.68	1.83	1.73
	12	(%)		90	95	80
)				91 (
-	1200 650)	1.05		100	
	5.1	4 / 8 /	0.9	130		50
	5.1	1	0.8	120		30
	50	1 11 , 24 /	0.9	12	16	
-	24	15 / 8 /	1.0	14.5		4
	75	4	0.9			20
-	400	4 /15 8 /	1.0		140	
)	(.	60086-1:2015.	3.).		
	: 10	1200	2	650	28 .	55

6.1.6

1 —

: LR1, R1, LR8D425



6 —

LR8D425

LR1. R1.

		LR1	R1	LR8D425
	.	30.2	30.2	42.5
h_2	.	29,1	29.1	41.5
	.	0.5	0.5	0.7
	.	0.2	0.2	0.1
d_1	.	12.0	12.0	8.3
	.	10.9	10,9	7.7
	.	4.0	4.0	3.8
d_e	.	5.0	5.0	2.3"
OP	.	0.5	0.5	0.1
"		$d > t_3$ - -		

				L		L
				LR1	R1	LR8D425
				N	N	
				1.5	1.5	1.5
\wedge .				1.68	1.73	1.68
) 12 (%)				90	80	90
				" ()		
				5.1	5	0.9
				94	30	90
				10 : 3000	5 / 24 ^)	0.9
				888		
				75 0	1	1.1
						22
				75 0	1	0.9
						27
-				300	12	0.9
				130	76	
<p>> (. 50086-1:2015. 3.),</p> <p>></p> <p>01** L-</p> <p>1 !</p> <p>1</p>				<p>< . . ,</p> <p>« .</p> <p>~ =£1-</p> <p>MfPPRB 1</p>		
				l' *		

60086-2—2019

6.2
BR17335

2 —

: CR14250. CR15H270, CR17345. CR17450,

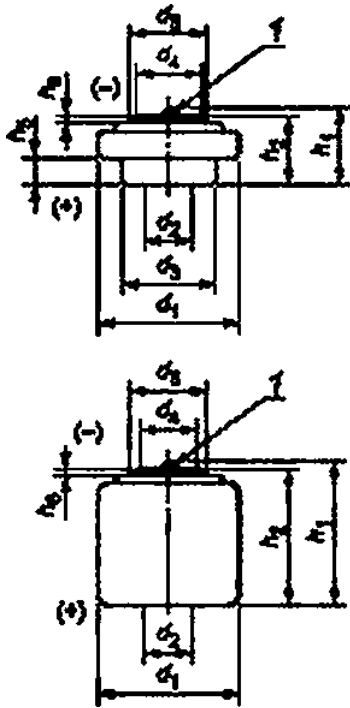
(*)	f jrt	W	/1,7/12	.	25.0	27.0*	34.5	45.0	33.5		
				.	23,5	26.0*	33.5	43.5	32.0		
				*4	.	0.4	0.6	1.0	0.4	0.1	
					.	-	0.4	0.9	-	-	
				*1	.	-	0.05	0.5	-	-	
					.	14.5	15,6	17.0	17.0	17.0	
				*1	<*3	.	13.5	15.0	16.0	16.0	16.0
					d _e	.	8.0	7.0	9.6	8.0	8.0
					0	.	5.0	8.5	11.0	5.0	5.0
				7 — CR14250. CR15H270. CR17345. CR17450. BR17335					. 8 4. : / . 60086-1.		

				CR14250	CR15H270	CR17345	CR17450	BR17335
				CR-1/2AA	CR2	123. CR123A	CR-A	BR-2/3A
.				3.0	3.0	3.0	3.0	3.0
4 «.				3.7	3.7	3.7	3.7	3.7
12	(% >)			98	98	98	98	98
-				>()				
	-	/	1.55		840	1400 -		
	900	24 /						
	0.1	24	2.0			40		
	0.2	24	2.0		48			
	1	24	1.8					380
	1	24	2.0				710	
		24	2.0	750				
11	(. 60086-1:2015. 3.)							
**	.							

6.3

3—

: LR9, CR11108



	LRB	CR11108
	6.2	10.8
h_2	5.6	10.4
h_3	2.0	—
$\ast 4$	0.2	0.2
	16.0	11.6
	15.2	11.4
d_2	10.0	9.0
	13.5	—
$\ast 4$	10.0	3.0
OP	12.5	9.0

4.

60086-1.

60086-1:2015.

4.1.6.2.

1— ().

8—

LR9. CR11108

				L	
				LR9	CR11108
				-	1/3N
				1.5	3.0
				1.68	3.7
12 (%)				90	98
				> ()	
	0.39	24	0.9	48	
	15	24	2.0		620
> (. 60086-1:2015, 3.)					

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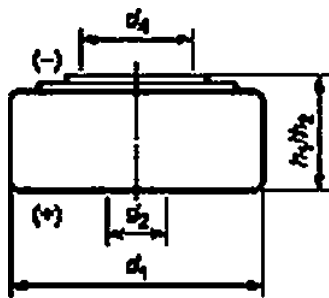
6.4 4

6.4.1

	i	£	4.	-
			4.1.3.2.	60086-1:2015, 60086-1. 0.1
*	9 —	4	60086-1:2015.	4.1.6.2.

6.4.2 4 —

: PR70, PR41, PR48, PR44



10 — PR48. PR44. PR70. PR41.

		PR70	PR41	PR48	PR44
h_1/h_2	.	3.60	3.60	5.40	5,40
	.	3.30	3.30	5.05	5,05
d_1	.	5.80	7.90	7.90	11.60
	.	5.65	7.70	7.70	11.30
	.	-	3,80	3,80	3,80
$d <$.	-	3,00	3,00	3,80

				PR70W.C)	PR4lb).c)	PR48bM)	PR4 ₄ b).cl
				10. PR536	312	13	675
				1.4	1.4	1.4	1.4
^_				1,59	1.59	1.59	1,59
(%) 12 .				95	95	95	95
				91 ()			
-	: 5 : 1	d).)	1.05	50			
-	: 5 : 1,5	d).e)	1.1	35			
-	:10 : 2	d).e)	1.05		55		
-	: 5 (15) : 2	0). 0	1.1		30		
-	: 12 : 3	d).)	1.05			55	
-	: 5 (15) : 3	d . 0	1.1			45	
-	: 15 : 5	d).)	1.05				70
-	: 24 : 8	d).)	1.05				45
<p>^ (. 60086-1:2015. 3.) . 10 .</p> <p>>)</p> <p>« » ,</p> <p>d> .</p> <p>®) : 100 . f). 119 .</p> <p>59 . 900 . 12 .</p> <p>0 : 15 .</p> <p>45 . 12 .</p> <p>< 1 —1 .</p> <p>- , -1* 111</p> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="border: 1px solid black; width: 150px; height: 40px;"></div> <div style="border: 1px solid black; width: 150px; height: 40px; text-align: center;">~</div> </div>							

60086-2—2019

6.4.3

PR

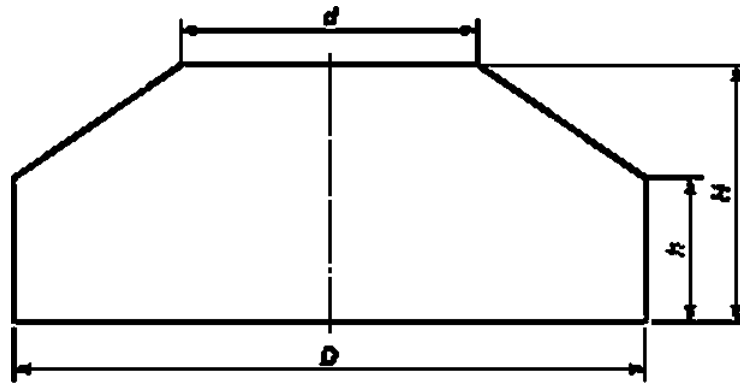
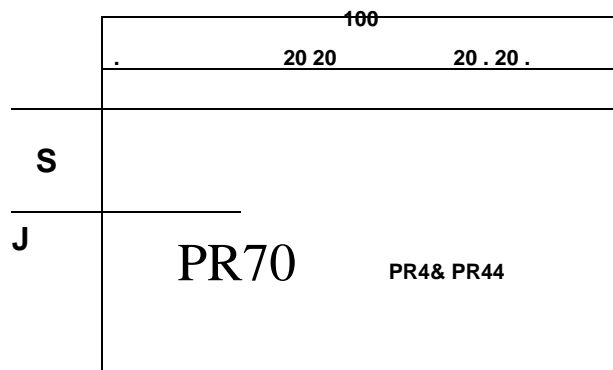


Рисунок 11 — Отверстие калибра для батарей Р-системы

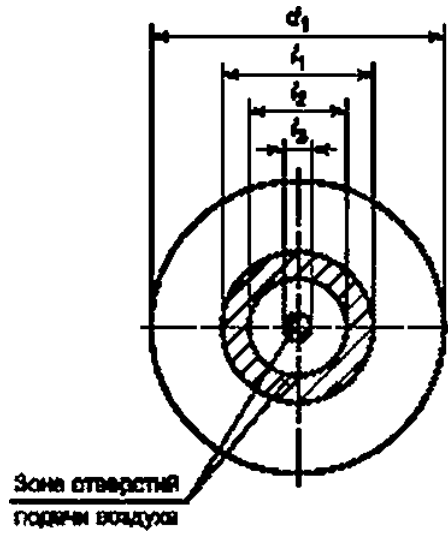
1 —

*	*	<i>d</i>				<i>h</i>			
		*	-	*	-	*	-	*	-
	PR70	5.810	±0,005	4.210	±0.005	3.610	±0.005	2.810	±0.005
	PR41	7.910	±0,005	5.510	±0.005	3.610	±0.005	2.410	±0.005
	PR48	7.910	±0,005	5.510	±0.005	5.410	±0.005	4.210	±0.005
	PR44	11.610	±0,005	9.010	±0.005	5.410	±0.005	4.110	±0.005



^ « 9 > >) 1^ > , *

12 —



13 —

		*1		J, (.)	^ { .1	/3 { .>
		.	.			
	PR70	5.80	5,65	-	-	2.00
	PR41	7,90	7.70	3,70	2.30	1.00
	PR48	7,90	7.70	3,70	2.30	1.00
	PR44	11,60	11.30	5.80	3,80	1.00

6.4.4

4 —

: LR41, LR55, LR54, LR43, LR44

8

		LR41	LR55	LR54	LR43	LR44
		.	3.6	2.1	3,05	4.2
.	3.3	1.85	2.75	3.8	5.0	
.	7.9	11.6	11.6	11.6	11.6	
.	7.55	11.25	11.25	11.25	11.25	
d_2	.	3.8	3.8	3.8	3.8	3.8
41	.	3.0	3.8	3.8	3.8	3.8

14 —
LR41. LR55. LR54. LR43. LR44

60086*2—2019

				L				
				LR41	LR55	LRS4	LR43	LR44
				192	191	189. LR1130	166	76
				1.5	1.5	1.5	1.5	1.5
				1.68	1.68	1.68	1.68	1.68
12 (%) -)				90	90	90	90	90
-			v	* ()				
	22	24	1.2	300				
	22	24	1.2		275			
	15	24	1.2			350		
	10	24	1.2				359	
	6.8	24	1.2					340
(. 60086-1:2015. 3.)								

6.4.5 4 — : SR62. SR63. SR65, SR64, SR60, SR67, SR66,
SR58, SR68, SR59. SR69. SR41. SR57. SR55. SR48, SR54, SR42, SR43, SR44

	tl	
	fl	

15 —

SR62. SR63. SR65. SR64. SR60. SR67. SR66. SR58. SR68. SR59. SR69. SR41.
SR57. SR55. SR48. SR54. SR42, SR43. SR44

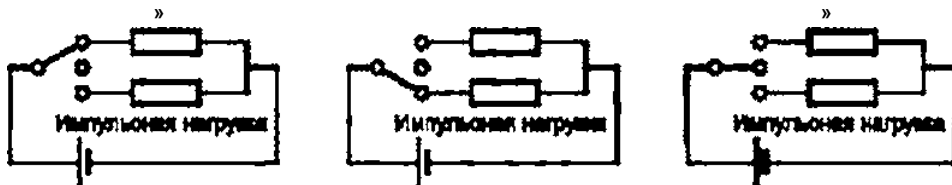
			*1		†2	*4
		
SR62	1.65	1.45	5.8	5.55	3.8	2.5
SR63	2.15	1.9	5.8	5.55	3.8	2.5
SR65	1.65	1.45	6.8	6.6	—	3.0
SR64	2.7	2.4	5.8	5.55	3.8	2.5
SR60	2.15	1.9	6.8	6.5	3.8	3.0
SR67	1.65	1.45	7.9	7.65	—	3.0
SR66	2.6	2.4	6.8	6.6	—	3.0
SR58	2.1	1.85	7.9	7.55	3.8	3.0
SR68	1.65	1.45	9.5	9,25	—	3.8
SR59	2.6	2.3	7.9	7.55	3.8	3.0
SR69	2.1	1.85	9.5	9.25	—	3.8
SR41	3.6	3.3	7.9	7.55	3.8	3.0
SR57	2.7	2.4	9.5	9.15	3.8	3.8
SRS5	2.1	1.85	11.6	11.25	3.8	3.8
SR48	5.4	5.0	7.9	7.55	3.8	3.0
SR54	3.05	2.75	11.6	11.25	3.8	3.8
SR42	3.6	3.3	11.6	11,25	3.8	3.8
SR43	4.2	3.8	11.6	11,25	3.8	3.8
SR44	5.4	5.0	11.6	11,25	3.8	3.8

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						S
						1.55
HPLW.B						1.63
12 (%))						90
					«-	°> ()
SR62	SR516		82	24	1.2	390
SR63	379. SR521		68	24	1.2	560
SR65	SR616		100	24	1.2	810
SR64	SR527		56	24	1.2	540
SR60	363. 364. SR621		68	24	1.2	685
SR67	SR716		68	24	1.2	820
SR66	376. 377. SR626		47	24	1.2	680
SR58	361. 362. SR721		47	24	1.2	518
SR68	373. SR916		47	24	1.2	680
SR59	396. 397. SR726		33	24	1.2	530
SR69	370. 371. SR921		33	24	1.2	663
SR41	384. 392		22	24	1.2	450
SR57	395. 399. SR927		22	24	1.2	500
SR55	381. 391		22	24	1.2	450
SR48	309. 393		1.5	12	0.9	40
			15	24	1.2	580
SR54	389. 390. SR1130		15	24	1.2	580
SR42	344.350. 387		15	24	1.2	670
SR43	301.386		10	24	1.2	620
SR44	303, 357		6.8	24	1.2	620
		- - - 39 : 5.6	:)	0.9	450	

») (. 60086-1:2015. 3.)
1 6 5 / .

24 / .
>



6.4.6 4 — : CR1025, CR1216. CR1220. CR1616, CR2012, CR1620, CR2016. CR2025, CR2320. CR2032, CR2330, CR2430, CR2354, CR3032, CR2450, BR1225, BR2016, BR2320. BR2325. BR3032

8

<div style="text-align: center;"> <p>«</p> <table border="1" style="margin: auto;"> <tr> <td style="width: 150px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 100px; height: 20px;"></td> </tr> <tr> <td style="width: 150px; height: 20px;">w ill</td> <td style="width: 20px; height: 20px;">f</td> <td style="width: 100px; height: 20px;"></td> </tr> <tr> <td style="width: 150px; height: 20px;">«1</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 100px; height: 20px;"></td> </tr> </table> </div>										w ill	f		«1		
w ill	f														
«1															
16 —		CR1C	>25. CR1216. CR1220J BR1616. CR2012. CR1620. CR2016. CR2025. CR2320. CR2032. CR2330. CR2430. CRJ '354, CR3032. CR2450 BR1225. BR2016. BR2320. BR2325. BR3032												
					*3	*4									
CR1025	2.5	2.2	10,0	9.7	-	3.0									
CR1216	1.6	1.4	12.5	12.2	-	4.0									
CR1220	2.0	1.8	12.5	12.2	-	4.0									
CR1616	1.6	1.4	16.0	15.7	-	5.0									
CR2012	1.2	1.0	20.0	19.7	-	8.0									
CR1620	2.0	1.8	16.0	15.7	-	5.0									
CR2016	1.6	1.4	20.0	19.7	-	8.0									
CR2025	2.5	2.2	20.0	19.7	-	8.0									
CR2320	2.0	1.8	23.0	22.6	-	8.0									
CR2032		2.9	20.0	19.7	—	8.0									
CR2330	3.0	2.7	23.0	22.6	-	8.0									
CR2430	3.0	2.7	24.5	24.2	-	8.0									
CR2354	5.4	5.1	23.0	22.6	-	8.0									
CR3032		2.9	30.0	29.6	-	8.0									
CR2450	5.0	4.6	24,5	242	-	8.0									
BR1225	2.5	2.2	12.5	122	-	4.0									
BR2016	1.6	1.4	20,0	19.7	-	8.0									
BR2320	2.0	1.8	23.0	22.6	—	8.0									
BR2325	2.5	2.2	23.0	22.6	-	8.0									
BR3032		2.9	30.0	29.6	-	8.0									

60086*2—2019

					3.0	3.0
« .					3.7	3.7
12 (%)					98	98
					> ()	
CR1025		68	24	2.0	630	
CR1216		62	24	2.0	480	
CR1220		62	24	2.0	700	
CR1616		30	24	2.0	480	
CR2012		30	24	2.0	530	
CR1620		47	24	2.0	900	
CR2016		30	24	2.0	675	
CR2025		15	24	2.0	540	
		10	5 / 24 /	1.8	8.5	
CR2320		15	24	2.0	590	
CR2032		15	24	2.0	920	
		10	5 / 24 /	1.8	12.5	
CR2330		15	24	2.0	1 320	
CR2430		15	24	2.0	1300	
CR2354		7.5	24	2.0	1260	
CR3032		7.5	24	2.0	1250	
CR2450		7.5	24	2.0	1200	
BR1225		30	24	2.0		395
BR2016		30	24	2.0		636
BR2320		15	24	2.0		468
BR2325		15	24	2.0		696
BR3032		7.5	24	2.0		1310

*

(. 60086-1:2015. 3.).

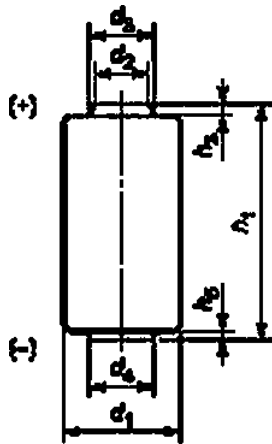
6.5

5

6.5.1

5 —

: 4LR44. 2CR13252.4SR44



17 —

4LR44. 2CR13252, 4SR44

		4LR44	2CR13252	4SR44
	.	25.2	25.2	25.2
	.	23.9	23.9	23.9
h5	.	0.7	0.7	0.7
	.	0.4	0.4	0.4
	.	0.05	0.05	0.05
	.	13	13	13
	.	12	12	12
	.	5.0	5.0	5.0
	.	6.5	6.5	6.5
	<>	5.0	5.0	5.0
. 8 60086-1.				

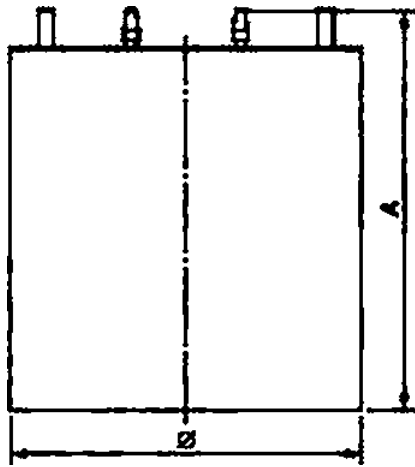
				L			S
				4LR44	2CR13252	4SR44	
				—	2CR-1/3N. 26L	—	
.-				6.0	6.0	6.2	
^.				6.72	7.4	6.52	
12				90	98	90	
(%))				9* ()			
- 0.160 : 27		. }		3.6	310	570	
27		24		3.6	420	620	
- 0.1		2 1 24 /		3.6	950	1000	
30		24		4.0	620		
»> (. > 1 24 / .)		0 6-1:2015. 3. 6 5 ^ .),	
»HM.WIHTOW		r-cuo'				j	
]				-	
F		«					

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6.5.2

5 —

: 5AR40



18 —

5AR40

R20S

190.0

184.0

4.2

60086-1.

				5AR40>
				7.0
^ ,				7.75
12 . (%)				80
				> ()
	240	24	4.5	120
61	« ». (. 60086-1:2015. 3.).

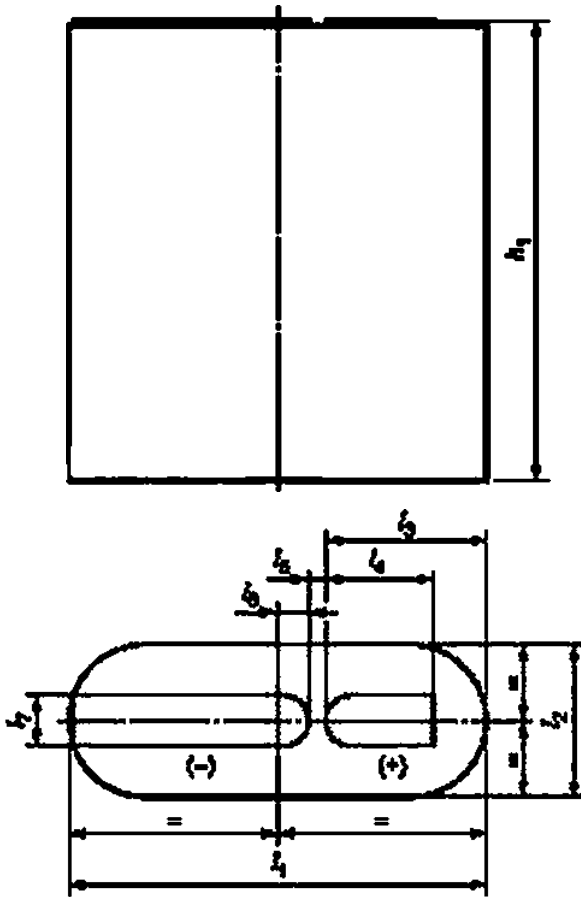
6.6

6

6.6.1

6 —

: 3R12P, 3R12S, 3LR12



		3R12P	3R12S	3LR12
1	.	67.0	67,0	67,0
	.	63.0	63.0	63.0
'1	.	62.0	62,0	62.0
	.	60,0	60,0	60.0
	.	22.0	22.0	22.0
	.	20.0	20.0	20.0
*3	.	—	—	—
	.	23.0	23.0	23.0
1	.	—	—	—
	.	16.0	16,0	16.0
'5	.	—	—	—
	.	1.0	1.0	1.0
'	.	—	—	—
	.	3.0	3.0	3.0
'7	.	7.0	7.0	7.0
	.	6.0	6.0	6.0

60086-1.			
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Рисунок 19 — Габаритный чертёж 3R12P, 3R12S, 3LR12

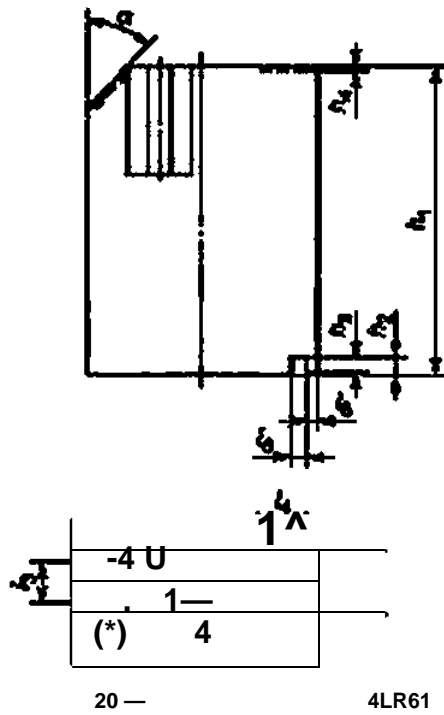
				3R12P	3R12S	L	
				()	()	3LR12	
				—	—	—	
..				4.5	4.5	4.5	
^.				5.19	5,19	5,04	
(%)) 12 -				80	80	90	
				91 ()			
		20	1	2.7	5.5	3.5	12
		220 0	4	2.7	96	96	300
> (. 60086-1:2015, 3.).			

60086-2—2019

6.6.2

6—

: 4LR61



		4LR61
	.	48.5
	.	47
2	.	2.7
	.	2.2
3	.	2.3
	.	1.8
.	.	0.8
	.	0.3
'1	.	35,6
	.	35
*2	.	9.2
	.	8.7
	.	6.5
	.	6
	.	8
	.	6.5
'5	.	1.5
	.	1
.	.	2.5
	.	2
	-	45'

: . 60086-1.

				L
				4LR61
				J
				6.0
HPLW-				6.72
12		(%)		90
) ()
	0.33	24	3.6	24
	6.8 kQ	24	3.6	700
«)	(. 60086-1:2015.	3.).

6.6.3

6—

: CR-P2

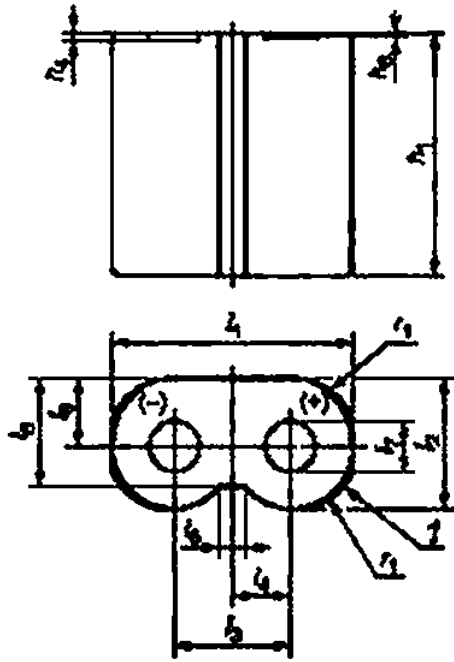


Рисунок 21 — Габаритный чертёж CR-P2

		CR-P2
	.	36.0
	.	34.5
h4	.	1.5
	.	0.7
	.	1.0
	.	0.1
'1	.	35.0
	.	32.5
'2	.	19.5
	.	18.5
*3	-	16.8
'4	-	8.4
'5	.	16.2
	.	15,3
'	.	9.8
	.	9.2
'/?	.	8.7
	.	7.5
'	.	-
	.	1.3
'i	.	10.0
	.	7.4

1—

. 8 60086-1.

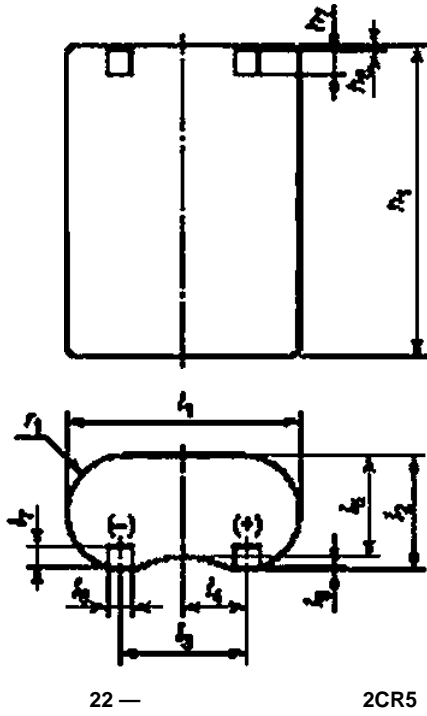
				CR-P2
				223
				6.0
^				7.4
12 (%))				98
				9^ ()
900		3 /30 24 /	3.1	1400
200		24	4.0	40
> (. 60086-1:2015, 3.)				

60086-2—2019

6.6.4

6—

: 2CR5



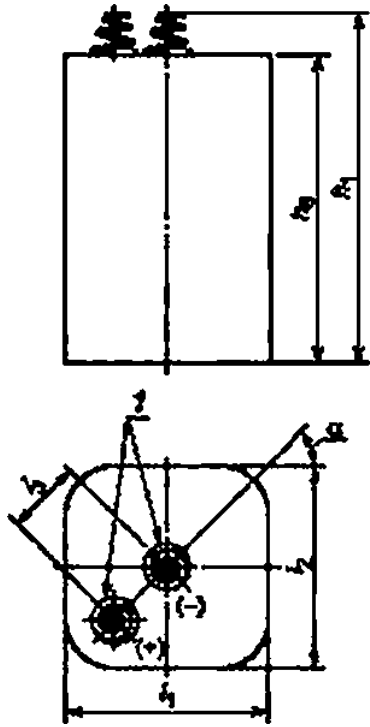
		2CR5
	.	45.0
	.	43.0
	.	0.9
	.	0.1
	.	4.5
	.	3.5
'1	.	34.0
	.	32.5
'2	.	17.0
	.	16.0
.	-	16.0
'4	-	8.0
.	.	15.5
	.	—
.	.	1.0
	.	4.5
	.	3.5
'6	.	4.6
	.	3.5
	.	9.0
	.	8.0
	.	60086-1.

				2CR5
				245
				6.0
^.				7.4
	12	(%)		98
			-	> ()
	900	3 /30 24 /	3.1	1400
	200 0	24	4.0	40
”	(. 60086-1:2015.	3.).

6.6.5

6 —

: 4R25X, 4LR25X



23 —

4R25X, 4LR25X

		4R25X	4LR25X
	.	115	115
	.	108	108
	.	102	102
	.	97	97
	.	67	67
	.	65	65
/2	.	67	67
	.	65	65
*3	.	27	27
	.	23	23
		45'	45'
82.6			3
1 —		60086-1.	

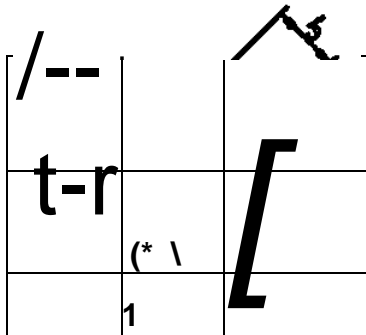
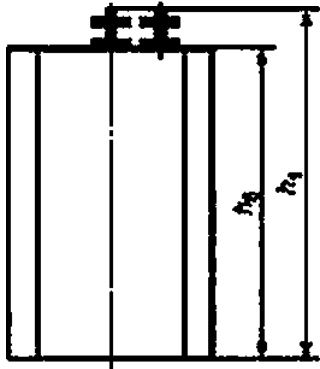
				L	
				4R25X	4LR25X
..				6.0	6.0
^.				6.92	6.72
12		(%		80	90
			> -	" ()	
1	8.2 0	30	3.6	350	900
2	9.1	30 / 8 / .	3.6	270	1 020
		1100	12	3.6	155
"		(. 60086-1:2015.	3.).	

60086-2—2019

6.6.6

6 —

: 4R25Y



24 —

4R25Y

		4R25Y
*1	.	114
	.	106
*8	.	102
	.	97
'1	.	67
	.	65
*2	.	67
	.	65
.	.	25
	.	22
—		45*

: (-

).

3.5 .

82,6 .

60086-1.

				4R25Y
$U_{H.B}$				6.0
$HPiUc.B$				6.92
12 (%))				80
			, -) ()
1	8.2	30	3.6	350
2	9.1	30 / 8 /	3.6	270
	110	12	3.6	155
(. 60086-1:2015. 3.).

6.6.7

6 —

: 4R25-2, 4LR25-2

		m					4R2S-2	4LR2S-2
1					"l	.	127,0	127,0
						.	—	-
					*	.	114,0	114,0
						.	109,5	109,5
						.	136,5	136,5
						.	132,5	132,5
					>2	.	73,0	73,0
						.	69,0	69,0
					'3	.	77,0	77,0
						.	75,2	75,4
						.	14,0	14,0
					(). 4.2 .			
h		L \		*	6.3 .	. 8	60086-1.	
	'1 4)			1—	.		
	i							
	%							
2f —			4 25-2.4LR2	5-2				

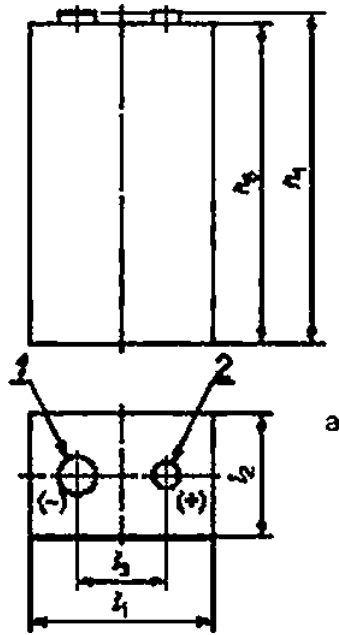
						L
					4R25-2	4LR25-2
/ .					6,0	6,0
^					6,92	6,72
	12	(%)			80	90
				».	91 ()	
1	8.2 0	30		3.6	900	1800
2	9.1	30 / 8 /		3,6	696	2040
	110	12		3.6	200	620
)	(.	60066-1:2015,	3.).	

60086-2—2019

6.6.8

6 —

: 6F22, 6LR61, 6LP3146



26 —

6F22, 6LR61.6LP3146

		22	6LR61	
,	.	48.5	48.5	48.5
	.	46.5	46,5	46.5
6	.	46.4	46.4	46.4
	.	-	-	-
1	.	26.5	26,5	26.5
	.	24.5	24,5	24.5
	.	17.5	17.5	17.5
	.	15,5	15,5	15,5
.	.	12.95	12,95	12,95
	.	12.45	12.45	12.45
: . 60086-1.				
1 — :				
2 — .				

				L	L	L
				6F22	6LR61	6LP3146
				9V	9V	9V. 6LF22
				9.0	9.0	9.0
»_TM -				10,4	10.1	10.1
12 (%)				80	90	90
				3) ()		
270				1	5.4	7
/ 620 0*1				2	5.4	24
1*) : 10				1 / 24 / *)	7.5	8
0.62						16
* (. 60086-1:2015. 3.)						
усхорейн 1.						
4 «				»		
1				1		
«				*£		

6.6.9 6 — : 6F22, 6LR61. 6LP3146

		1	'1			8F22 6LR61 6LP3146
		?			.	3.10
*					.	2.90
1			-1		.	(2.55)
		-----2-----		'4	.	5.77
					.	5.67
27 —				%	.	(5.38)
				'	.	(0.8)
				2	.	(0.4)
					.	

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6.6.10

6 —

: 6AS4

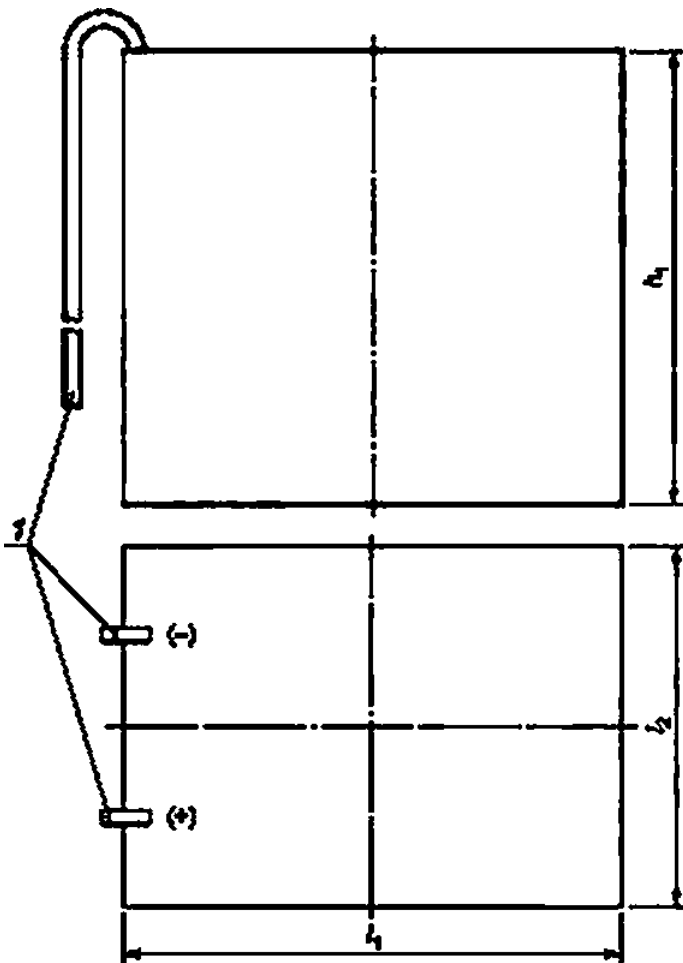
						6AS4
				1	.	114
				'1	.	168
				'2	.	113
				; . 200 . 60086-1. 1— .		
				1		
				W		
				5		
				1		
				28 —	6AS4	

				6AS4^{b>}
				8.4
				9.30
12 (%)				80
				'1 ()
300 24 5.4				80
* (. 60086-1:2015. 3.).				
* ,				
« »-				

6.6.11

6 —

: 6AS6



6AS6
 , . 162
 . 192
 *2 . 128
 ; .
 200 .
 .
 1— . 60086-1.

29 —

6AS6

				6AS6N
				8.4
^.				9.30
12			(%)	80
			>	*) ()
		300	24	5.4
> (. 60086-1:2015. 3.).				
« »-				

60086*2—2019

()

— .25

.1 —

SR44	1.55
4LR44	6.0
4SR44	6.2

.2 —

R6P	1.5
LR6	1.5

R03	1.5
LR03	1.5
FR10G445	1.5

.4 —

LR6	1.5
FR14505	1.5
FR10G445	1.5

.5 —

4LR61	6.0

.6 —

	. 8
5AR40	7.0
6AS4	8.4
6AS6	8.4

.7 —

	. 8
CR2025	3.0
CR2032	3.0

.8 —

	. 6
R1	1.5
LR1	1.5
SR48	1,55

.9 —

	. 8
PR70	1.4
PR44	1.4

.10 —

	. 8
PR70	1.4
PR41	1.4
PR48	1.4
PR44	1.4

.11 —

	.
FR10G445	1.5
FR14505	1.5

.12 —

	. 6
LR8D425	1.5

.13 —

	. 8
LR1	1.5

.14 —

	. 6
CR15H270	3.0
CR17345	3.0
CR-P2	6.0
2CR5	6.0

60086*2—2019

.15 —

()

	.
LR8D425	1.5
R1	1.5
LR1	1.5
R03	1.5
LR03	1.5
R6P	1.5
LR6	1.5
R14P	1.5
R14S	1.5
LR14	1.5
R20P	1.5
R20S	1.5
LR20	1.5
3R12P	4.5
3R12S	4.5
3LR12	4.5
4R25X	6.0
4LR25X	6.0
4R25Y	6.0
4R25-2	6.0
4LR25-2	6.0

.16 —

	.
LR14	1.5
LR20	1.5

.17 —

	.
R03	1.5
R20P	1.5
R20S	1.5
3R12P	4.5
3R12S	4.5
3LR12	4.5

.18 —

^

	.
R6S	1.5
6F22	9.0
6LR61	9.0
6LP3146	9.0

.19 — / /

	. 8
R6P	1.5
LR6	1.5

.20 —

	.
R03	1.5
LR03	1.5

.21 —

	.
4R25X	6.0
4LR25X	6.0
4R25Y	6.0
4R25-2	6.0
4LR25-2	6.0

.22 —

	. 6
6F22	9.0
6LR61	9.0
6LP3146	9.0

.2 —

	. 8
R03	1.5
LR03	1.5
R6P	1.5
R6S	1.5
LR6	1.5
R14P	1.5
R14S	1.5
LR14	1.5
R20P	1.5
R20S	1.5
LR20	1.5
6F22	9.0
6LR61	9.0
6LP3146	9.0

60086-2—2019

.24 —

	.
LR6	1.5

.25 —

	.
PR41	1.4
PR48	1.4

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8 .1— .6

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- IEC 60050-482 International Electrotechnical Vocabulary — Part 482; Primary and secondary cells and batteries
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- IEC 60086-3 Primary batteries — Part 3: Watch batteries
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