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INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION
(ISC)

**IEC 61058-1 —
2012**

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(IEC 61058-1:2008,)

2014

1.0—92 «
1.2—2009 «

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4 2013 . 577- IEC 61058-1—2012
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5 IEC 61058-1:2008 Switches for
appliances — Part 1: General requirements (1.
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IEC 61058

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Switches for appliances
Part 1. General requirements

—2014—07—01

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• ,), IEC 60669-1;
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IEC 60068-2-20:1979

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IEC 60085:2007

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IEC 60127 ()

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IEC 60529:2001

(IP Code)

IEC 60617*2:1996		2.		
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IEC 60695-2*10:2000		2*10.		-
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 ISO 1456:2003
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 ISO 2093:1986
 ISO 4046:1978

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3.1

3.1.1 (mechanical switching device):

3.1.2 () (switch (mechanical)): ()

3.1.3 (conductive part):

3.1.4 (live part):

PEN-
3.1.5 (pole of a switch):

1 , ,

2 , , (, . .) , ,

3.1.6 (clearance):

- 3.1.7 (creepage distance):
- 3.1.8 (detachable part): ,
- 3.1.9 (tool): , ,
- 3.1.10 (special purpose tool): , ,
- , ,
- 3.1.11 (normal use): , ,
- 3.1.12 (ambient air temperature): , ,
- 3.1.13 () (proof tracking index (PTI)): 50 ,
- 3.1.14 (unique type reference): , ,
- 3.1.15 (common type reference): , ,
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- 3.1.16 (cover or cover plate): , ,
- 3.1.17 (signal indicator): , ,
- , ,
- 3.1.18 (unprepared conductor): , ,
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- 3.1.19 (prepared conductor): , ,
- 3.1.20 (base material): , ,
- 3.1.21 (printed board): , ,
- 3.1.22 (printed board assembly): / ,
- 3.1.23 (insulation distance): (. . . Q.1). , ,
- 3.1.24 (polarity reversal): , ,
- 3.1.25 (semiconductor switching device): / , ,
- 3.1.26 (electronic step-down convertor (convertor)): (. . .) , ,

3.1.27

(electronic switch):

3.1.28

(duty): (), ()

3.1.29

(duty-type):

3.1.30

(cyclic duration factor):

3.1.31

(protective impedance):

3.2

3.2.1 wattage etc.): n. (rated voltage, current, frequency,

3.2.2 () (SELV): 120 8
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(IEC 61140).

3.2.3 (over-current):

3.2.4 (overload):

3.2.5 (short-circuit current):

3.2.6 (working voltage):

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3.2.7 (overvoltage):

3.2.8

 U_{rp} (recurring peak voltage 1):

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3.2.9

(temporary overvoltage):

3.2.9.1

(short-term temporary overvoltage):

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3.3.3.2.2).

3.2.9.2

(long-term temporary overvoltage):

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3.2.10

(impulse withstand voltage):

3.2.11

(overvoltage category):

I. II III (.).

3.2.12

(rated load):

3.2.13

(minimum load):

3.2.14

(thermal current):

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3.3

3.3.1

(incorporated switch):

3.3.2

(integrated switch):

3.3.3

(rotary switch):

3.3.4

() (lever switch):

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3.3.5

(rocker switch):

- 3.3.6 (push-button switch): , ,
- 3.3.7 (cord-operated switch): , ,
- 3.3.8 (push-pull switch): , ,
- 3.3.9 (biased switch): , ,
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- 3.4.1 (actuation): , ,
- 3.4.2 (indirect actuation): , ,
- 3.4.3 (actuating member): , , ,
- 3.4.4 (actuating means): , ,
- 3.4.5 (disconnection): , ,
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3.5.2 (integrated conductor): , , , , ,

3.5.3 (internal conductor): , , , , ,

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3.5.4.2 Y (type Y attachment): , , ,

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3.6.2 (screw type terminal): , , ,

3.6.3 (pillar terminal): , , () , , ,

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3.6.5 (stud terminal): , , , () , , ,

3.6.6 (saddle terminal): , , , () , , ,

3.6.7 (lug terminal): , , , () , , ,

3.6.8 (mantle terminal): , , , () , , ,

3.6.9 (screwless terminal): , , , () , , ,

- , ;
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3.6.10 (termination);

3.6.11 (flat quick-connect termination);

3.6.12 (tab);

3.6.13 IEC 61210 U.
(female connector);3.6.14 8.
(solder terminal);

3.7 ,

3.7.1 (basic insulation); , ,

3.7.2 (supplementary insulation); , ,

3.7.3 (double insulation); , ,

3.7.4 (reinforced insulation); , ,

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3.7.5 (functional insulation); , ,

3.7.6 (coating); , ,

3.7.7 (solid insulation); , ,

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3.7.9 I (class I appliance); , ,

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3.7.11 III (class III appliance):

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3.8.2 (micro-environment):

L.

3.8.3 (macro-environment):

3.8.4 (pollution degree):

1.2 3 (. 7.1.6 L).

3.9

3.9.1 (routine test):

R.

3.9.2 (sampling test):

S.

3.9.3 (type test):

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- 5.3 , ,
- 5.4 , , 16 17
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- 5.5.1
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 - (. 7.1.2)
- 6—12 23— Ns 1;
 - 19—22 — Ns 2: 20.1
 - 13—18: — Ns3—Ns5:
 - — Ns3—Ns5 Ns — Ns8
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- 6—12 23— Ns 1;
 - 19—22 — Ns2: 20.1
 - 13—18: — Ns3 — Ns5:
 - — Ns 6 — Ns 8:
 - — Ns 6 — Ns 8
 - Ns 9 — Ns 11
 - 25 —
- 5.5.3 /
- 6—12 — Ns 1:
 - 19—22 — Ns2: 20.1

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— 6 — Nv8:

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5.7	13—18
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5.14	23.1.1.1
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7.1	
7.1.1	:
7.1.1.1	—
7.1.1.2	—
7.1.1.3	—

7.1.2 , :
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7.1.2.1 — 0.9;
 7.1.2.2 — ;
 0.6.
 7.1.2.3 — ;
 7.1.2.4 — ;
 7.1.2.5 — ;
 7.1.2.6 — 20 :
 7.1.2.7 — :
 7.1.2.8 — 0.6;
 7.1.2.9 — 0.6;
 7.1.2.10 — :
 7.1.3 :
 7.1.3.1 — , , ® 55' ;
 7.1.3.2 — , , 55 ® 0 ® .
 :
 • : 85 ® . 100 ® ,
 125® 150® ;
 • : 10 ® .
 25® 40® ;
 • , , 5® ;
 7.1.3.3 — , , ® 55 ® ,
 55® :
 • : 85 ® . 100 ® .
 125* 150® ;
 • , , 5® .
 7.1.3.4 — , , 35® .
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 7.1.3.4.1 — , , ® 35® .
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 7.1.3.4.2 — , , 35 ® 0 ® .
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 • : 55 * . 85 ® .
 100* 125 - ;
 • : 10 ® .
 25 - 40 * :
 • , , 5® .

7.1.4	:			
7.1.4.1 —	100 000	:		
7.1.4.2 —	50 000	:		
7.1.4.3 —	25 000	:		
7.1.4.4 —	10 000	:		
7.1.4.5 —	6 000	:		
7.1.4.6 —	3 000	:		
7.1.4.7 —	1 000	:		
7.1.4.8 —	300	.		
7.1.5	,	,	,	
7.1.5.1	:		(no IEC 60529):	
7.1.5.1.1 —			(1 0):	
7.1.5.1.2—			50	(IP1X);
7.1.5.1.3 —			12.5	(IP2X);
7.1.5.1.4 —			2,5	(IP3X);
7.1.5.1.5 —			1,0	(IP4X);
7.1.5.1.6 —		(IP5X):		
7.1.5.1.7 —		(IP6X).		
7.1.5.2			((60529):	
7.1.5.2.1 —			(IPX0);	
7.1.5.2.2 —				(IPX1):
7.1.5.2.3 —				15® (IPX2);
7.1.5.2.4 —			(IPX3):	
7.1.5.2.5 —			(IPX4);	
7.1.5.2.6 —			(IPX5);	
7.1.5.2.7 —			(IPX6):	
7.1.5.2.8 —			(IPX7).	
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7.1.5.3.1 —	0;			
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7.1.5.3.4 —	III.			
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7.1.6	:			
7.1.6.1 —	1:			
7.1.6.2 —	2:			
7.1.6.3 —	3.			
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7.1.7	:			
7.1.7.1 —	:			
7.1.7.2—	:			
7.1.7.3 —	:			
7.1.7.4 —	:			
7.1.7.5 —	:			
7.1.7.6 —	:			

- 7.1.7.7 — , (, -
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- 7.1.8 :
 7.1.8.1 — () :
 7.1.8.2 — () .
- 7.1.9 :
 7.1.9.1—650* ;
 7.1.9.2 — 750 :
 7.1.9.3 — 850* .
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- 7.1.10 :
 7.1.10.1 — 330 :
 7.1.10.2 — 500 ;
 7.1.10.3 — 800 8:
 7.1.10.4 — 1 500 ;
 7.1.10.5 — 2 500 :
 7.1.10.6 — 4 000 .
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 7.1.11.1 — ;
 7.1.11.2 — ;
 7.1.11.3 — .
- 7.1.12 :
 7.1.12.1 — ;
 7.1.12.2 — .
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- 7.1.13.1 :
 7.1.13.1.1 — / ;
 7.1.13.1.2 — , () :
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 7.1.13.1.6 — , , , () ;
 7.1.13.1.7 — , , , () ;
 7.1.13.1.8 — , , () .
- 7.1.13.2 :
 7.1.13.2.1 — / ;
 7.1.13.2.2 — , () ;
 7.1.13.2.3 — , () ;
 7.1.13.2.4 — , , () ;
 7.1.13.2.5 — , , () ;
 7.1.13.2.6 — , , ;
 7.1.13.2.7 — , , () ;

7.1.13.2.8 — , (,
 7.1.13.2.9 — , (,
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 7.1.13.3.9 — , ().
 7.1.13.4
 7.1.13.4.1 — , :
 7.1.13.4.2 — , , (,
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 7.1.13.4.3 — , , (,
 , 7.1.2.1);
 7.1.13.4.4 — , , (,
 , 7.1.2.1);
 7.1.13.4.5 — , , (,
 , 7.1.2.1);
 — 7.1.13.4.2—7.1.13.4.5.
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7.1.14 8
 7.1.14.1 — :
 7.1.14.2 — :
 7.1.15 8
 7.1.15.1 — :
 7.1.15.2 — :
 7.1.16
 7.1.16.1 — S1;
 7.1.16.2 — S2;
 7.1.16.3 — S3.

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 2 IEC 60034-1.

7.1.17 8
 7.1.17.1 — :
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7.1.17.2 — ,
 7.1.2. —

7.1.17.3 — ,
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7.1.18.1 —

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7.2.15.1 —

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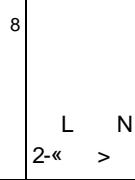
7.2.15.2 —

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7.1.13.1				
7.1.13.1.1	1.1	,	,	

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7.1.13.1.2	1.2		()	
7.1.13.1.3	1.3		(-)	
7.1.13.1.4	1.4 [1.2]		() -	
7.1.13.1.5	1.5 [1.2] [1.4]		(- , -)	
7.1.13.1.6	1.6		(), -	

	”			
7.1.13.1.7	1.7	-	, (-)	»1 6- 1
7.1.13.1.8	1.8		(-)	W - &*
7.1.13.2			-	
7.1.13.2.1	2.1	,	,	
7.1.13.2.2	2.2 (1.2J)		() -	LN 8- -
7.1.13.2.3 ²	2.3		(-)	eFTJ C.S.J LI 3-

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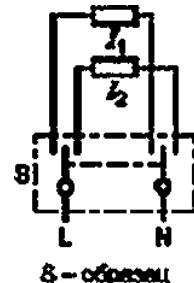
	”					
7.1.13.2.4	2.4 [1.3J]		(-)			
7.1.13.2.5 ²¹	2.5		() -	» » • L f1- »		
7.1.13.2.6 ²¹	2.6		-			
7.1.13.2.7 ²¹	2.7		(- ,) -	* *[&—V] 8-		
7.1.13.2.8	2.8		(- ,) -	- - .		

	”				
7.1.13.2.9 ^{2>}	2.9		(-)		1 ^ , 8-
7.1.13.3			 i	
7.1.13.3.1	3.1	, ,			
7.1.13.3.2	3.2		(-)	?*	L 1 8- -«» »
7.1.13.3.3	3.3		(-)	4 all 1 L N -	
7.1.13.3.4	3.4		(-)	i f 4 j LN 8- -	

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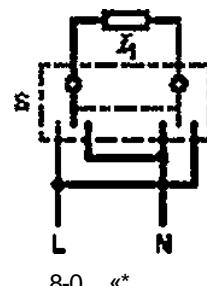
7.1.13.3.5 3.5

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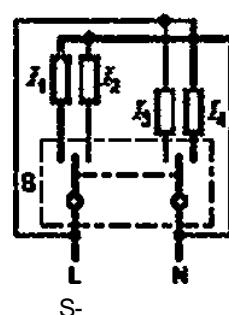
7.1.13.3.6 3.6

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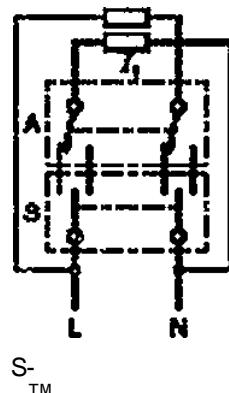
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11.3	,	7.1.18.2		
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12.2	,	7.1.17.5		

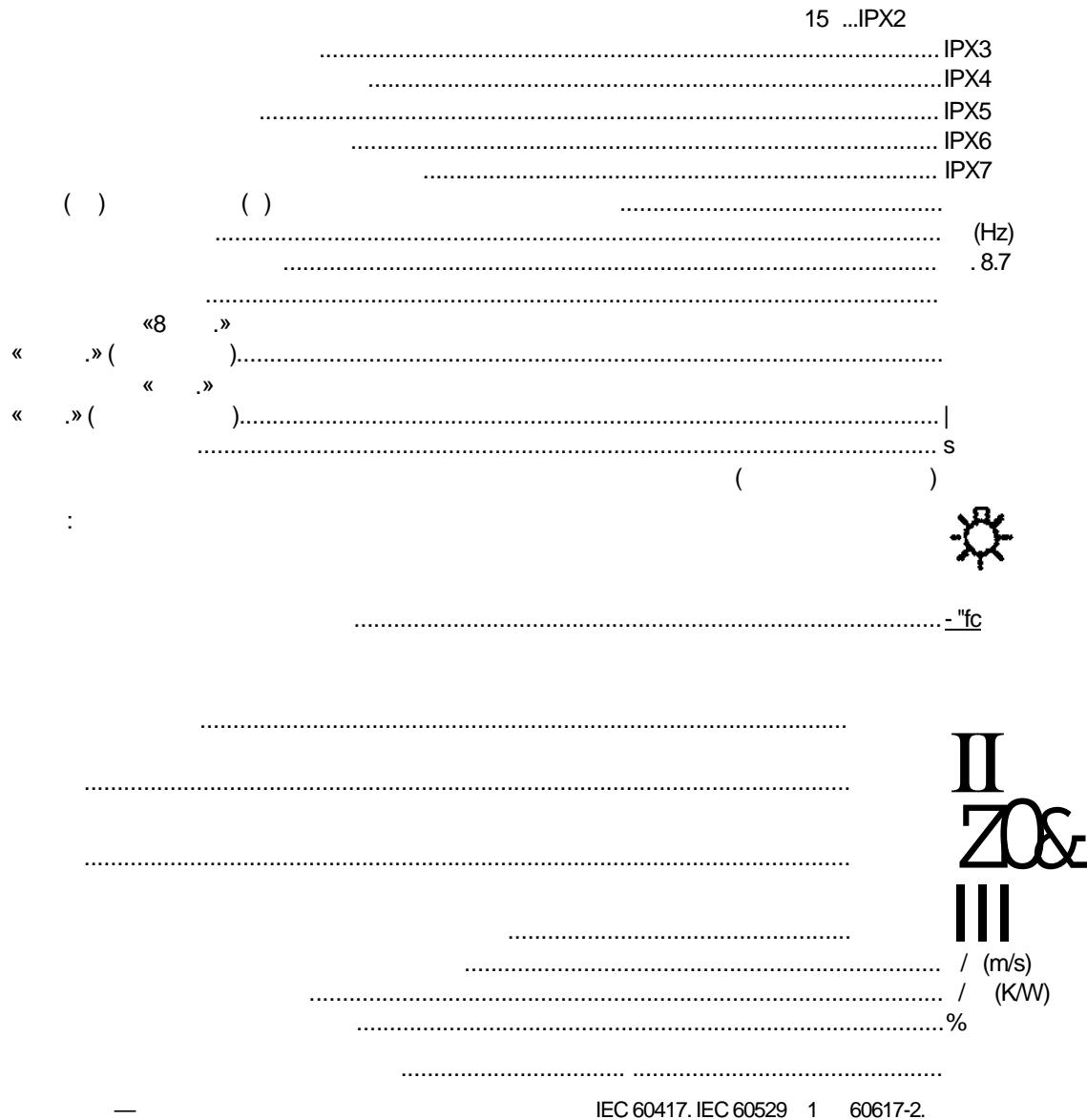
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- IPX3. 14.2.3
• IPX4. 14.2.4
• IPXS. 14.2.5
- IPX6. 14.2.6
• IPX7. 14.2.7

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			6(/—)	0.60 (+0.05)
(7.1.2.8)	3»		6 (1-1) f—t	0.60 (+0.05) 0.60 (+0.05)
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— $t-R$ —

18 —

7.1.2				
			$f-R$	$LjR < 115$
(no 7.1.2.4)			, i_{110} (9). $X=16$ < 110 (9). $= 10^{11}$	
(7.1.2.3)			,	9b>
(7.1.2.7)				
(7.1.2.5)				

1>
 • X=16 X=10
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17.2.2

17.2.2.1

7.1.3.2 7.1.3.4.2.

17.2.4.4 17.2.4.7

' | , — (25 ± 10)
 7° . 0

17.2.2.2

7.1.3.3.

17.2.4.4

17.2.4.7

0 55

*

17.2.3

17.2.3.1

% , 0 (25 ± 10)

a)

9
 18
 20 /

s 45 :
 > 45 :

b)

,

c)

457
 90
 80 /

s 45°:
 > 45 :

d)

9
 5 /

f)

45%
 25 /

17.2.3.2

17.2.3.3

17.2.3.4

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b)

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d)

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17.2.3.4.1

17.2.4.9

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- 15

• 7.5

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« ».

75 %

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25

« »

50 %

7.1.13.2.3. 7.1.13.2.5. 7.1.13.2.7 7.1.13.2.9.

17.2.3.4.2

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17.2.3.4.3

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17.2.4

17.2.4.1

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— 17.2.1

— 17.2.3

— 100.

(2)

— 17.2.1.

— 17.2.3

— 100.

()

— 17.2.1.

— 17.2.3

— 100.

17.2.4.4

(4)

— 15.

— 17.2.1.

— 17.2.2.

7.1.4.

17.2.4.1—17.2.4.3.

7.1.13.4.2—7.1.13.4.5.

200 000.

— 17.2.3.

(5)

1.1

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17.2.4.6 (6)

0.9

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17.2.4.7 (7)
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— 17.2.2.
— 1000

— 17.2.3.

17.2.4.8 (8)

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17.2.4.9 ,
, (9)
, 7.1.2.9.
/ 0.6

— 17.2.3.

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17.2.4.10 — 17.2.1.

• 1
• 0.5 /
— 100.

17.2.5

17.2.5.1 (1)

17.2.4

17.2.5.2 (2)

17.2.4

55

16.2.

(25 ±10) *

17.2.5.3 ()

17.2.4

15.3.

75 %

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18.2

IEC 60068-2-75.

18.2—18.4.

7.1.3.2.

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(1.0 ± 0.05)

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ISO.

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—	1.6	0.05	—	0.1	0.1	—
1.6	2.0	0.10	—	0.2	0.2	—
2.0	2.8	0.2	—	0.4	0.4	—
2.8	3.0	0.25	—	0.5	0.5	—
3.0	3.2	0.3	—	0.6	0.6	—
3.2	3.6	0.4	—	0.8	0.8	—
3.6	4.1	0.7	1.2	1.2	1.2	1.2
4.1	4.7	0.8	1.2	1.8	1.8	1.8
4.7	5.3	0.8	1.4	2.0	2.0	2.0
5.3	6	—	1.8	2.5	3.0	3.0
6	8	—	2.5	3.5	6.0	4.0
8	10	—	3.5	4.0	10.0	6.0
10	12	—	4.0	—	—	8.0
12	15	—	5.0	—	—	10.0

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III IV

IV.

III IV

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14 20	14 20 —	6.25 7.5 10.0	3.75 5.0 7.5

19.2.6

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19.2.8

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•		13 %	0.09 %
-			ISO 2081
- 5	1	ISO	
• 12	2	ISO	
IPX1 — IPX4;			
• 25	3	ISO	
IPX5 — IPX7;			ISO 1456
•			
• 20	2	ISO	
• 30	3	ISO	
IPX1 — IPX4;			
• 40	4	ISO	
IPX5 — IPX7;			ISO 2093
•			
• 12	2	ISO	
- 20	3	ISO	
IPX1 — IPX4;			
• 30	4	ISO	
IPX5 — IPX7.			

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20.1—20.4.

IEC 60664-1.

20.1

7.1.10.

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IEC 60629:

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no IEC 60529 (1).
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20.1.3

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0.50	0.04	0.2 4>-51	0.8 *>	
0.80	0.10	0.2 4>-181	0.8 *>	
1.5	0.5	0.5	0.8 6>	
2.5	1.5	1.5	1.5	
4.0	3	3	3	
6ei	5.5	5.5	5.5	

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21 2000 N.
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31 L 1. 0,04
41 51 61 7> 4.0 .
23 IEC 60664-1

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20.1.5.3

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IEC 60529:

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IEC 60S29 (1).

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- () :
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 • II: 400 s < 600;
 • : 175 s < 400;
 • : 100 £ < 175.

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5 , IEC 60335-2
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20.2.1 , 23.

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()	1	2					
		1	II	I	1		
50°	0,2	0.6	0.9	1.2	1.5	1.7	1.9
125	0.3	0.6	1.1	1.5	1.9	2.1	2.4
250	0.6	1.3	1.6	2.5	3.2	3.6	4.0
320	0.75	1.6	2.2	3.2	4	4.5	5
400	1.0	2.0	2.6	4.0	5.0	5.6	6.3
500	1.3	2.5	3.6	5.0	6.3	7.1	8.0

IEC 60664-1 ().

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						1		»	
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12.5	0.025		0.04		0.09	0.42	0.42	0.42	1.0
16	0.025		0.04		0.1	0.45	0.45	0.45	1.05
20	0.025		0.04		0.11	0.48	0.48	0.48	1.1
25	0.025		0.04		0.125	0.5	0.5	0.5	1.2
32	0.025		0.04		0.14	0.53	0.53	0.53	1.25
40	0.025		0.04		0.16	0.56	0.8	1.1	1.3
50	0.025		0.04		0.18	0.6	0.85	2	1.4
63	0.04		0.063		0.2	0.63	0.9	1.25	1.5
80	0.063		0.1		0.22	0.67	0.95	1.3	1.6
100	0.1		0.16		0.25	0.74	1	1.4	1.7
125	0.16		0.25		0.28	0.75	1.05	1.5	1.6
160	0.25		0.4		0.32	0.8	1.1	1.6	1.9
200	0.4		0.63		0.42	1	1.4	2	2.0
250	0.56		1		0.56	1.25	1.8	2.5	2.2
320	0.75		1.6		0.75	1.6	2.2	32	3.2
400	1		2		1	2	2.8	4	2.0
500	1.3		2.5		1.3	2.5	3.6	5	2.1
630	1.8		3.2		1.8	3.2	4.5	6.3	2.4
800	2.4		4		2.4	4	5.6	6	2.5
1000	32		5		3.2	5	7.1	10	3.6
11									4.0
21									4.5
>									5.0
41									5.6
51									6.3
61									8
									10
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20.2.3

20.2.1.

20.2.4

20.2.1.

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/ 60664-3 (6)

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6.6.1	25'
6.6.3	2(25* 125')
6.7	
6.8.6	

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IEC 60664-3{

5.1 5.2),

IEC 60664-3

(5.3).
20.4.2

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IEC 60664-3

(6)
20.4.1.

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21**21.1**

60695-10-2.

a) $(20 \pm 2)^*$

16.3

 $(75^* 2)^*$ b) $\pm 2^*$

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125 *
16.3.20 *
125 ***21.2**

60 * 60

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IEC 60695-2-11

a) $650^* . 750^* . 850^*$ b) 650^*

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 $(25 \pm 10)''$.
 (25 ± 10) * , ,
 $(100 \pm 5)^\circ$ 10 95 %.
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23.1:

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23.3:

23.4.

23.1

23.1.1.

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(3) 14 (3).
23.1.1

16.3.3.

23.1.1.1 23.1.1.2.

23.1.1.1

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22—24):

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24.2 24.3:

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IEC 60127,

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23.1.1.2

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1 60127) — 23.1.1.2.2:

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1 60127. —

23.1.1.2.3:

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23.1.1.2.1

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26

	16	26
	16 32	51
	32 63	101
^ IEC 60269-1.		

23.1.1.2.2
 , 0.95 , (S1)
 2 (S2)
 - (S3)
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23.1.1.2.3
 2.1
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 30 ,
 (S2)
 2 (S3)
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23.1.1.2.4
 , 23.1.1.2.3
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23.1.1.2.1—23.1.1.2.4 (1:2009)
 23.2

, 23.1.

9.
 23.3 , ,

$t^2 t$.

1500 , ,
 P_t 15 000 t^2 .

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2 P_t — ,
 $t^{12} 1$,

3 F_t 15 000 t^2 .
 1*1 16 1500 .

17.

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 Z_2 ()
 $\pm 10\%$
 $+5\% / 0\%$ $*10\% / 0\%$

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$\pm 10\%$ P_t .

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 P_t .

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ISO 4046-4 (4.215).

12 30 / 3.

6—10

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16.3.2,

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IEC

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- 24.1.1
 - 24.1.2
 - 24.1.3
 - 24.1.4
- 24.1.1

IEC 60127-2

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IEC 60269-3

24.1.2

- 24.1.2.1
- 24.1.2.2
- 24.1.2.3

" 35 *

" 55 *

(7.1.3.4.2 7.1.3.2 7.1.3.3).

24.1.2.1

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IEC 60730-2-9.

24.1.2.

24.1.2.2

IEC 60730-1

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9/,,

(cosq> > 0.8 ± 0.05),
50—100

6/,, fcosip = 0.6 ± 0.05}

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24.1.2.3

IEC 60730.

24.1.2

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24.1.3

IEC 60730-1 (J). PTC-S-

no IEC 60738-1.

24.1.2

PTC-S-

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IEC 60707.

no IEC 60707.

24.1.4

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IEC 60384*14

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IEC 60384-14

(4.12)

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	(IEC 60334-14)		
	UHS125B	125 <uh S 250	
(L N), ()	Y4	Y2	Y2
(L N L1 L2): •0.5 0.5	2	1 2	2
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IEC 60065 (14.1).

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 c) « .»
 d) « .»
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IEC 61000-4-11.
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40	60	10	
70	30	10	

So

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IEC 61000-4-5
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25.1.4

IEC 61000-4-2.

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IEC 61000-4-3

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IEC 61000-4-3

IEC 61000-4-6.

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25.1.6

IEC 61000*4*8

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IEC 61000*3*2 1 61000*3*3 1

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25.2.2

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CISPR 15 (8.1.4.1 8.1.4.2)

CISPR 14-1
CISPR 15.

CISPR 15.

a) (CISPR 15. 8.1.4.1).

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, 6 , CISPR 15.

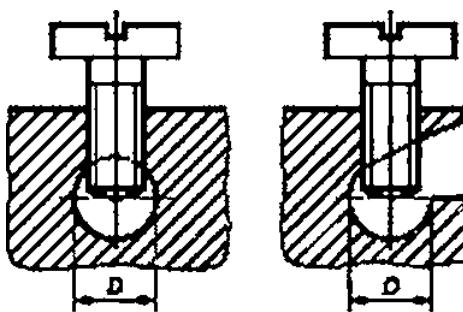
9. 50. 100. 150. 240. S50 . 1. 1.4. 2, 3.5. 6. 10. 22 30
b) / (CISPR 15. 8.1.4.2).

150 30

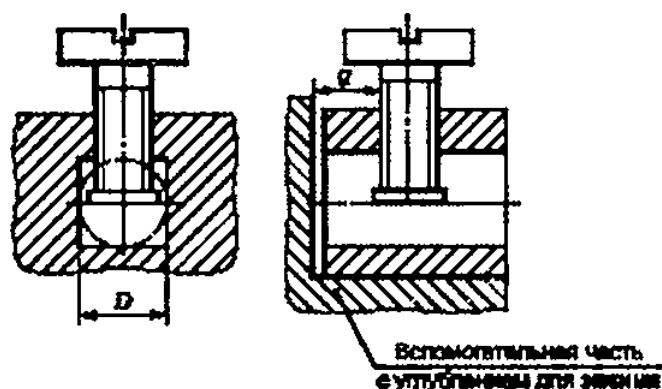
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150. 240. 550 . 1. 1.4. 2, 3.5. 6. 10. 22 30



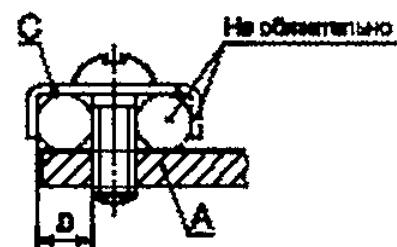
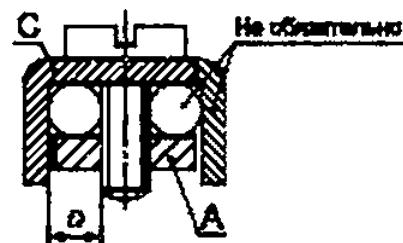
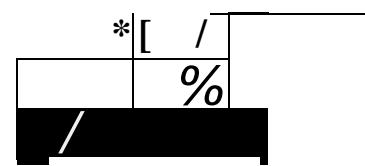
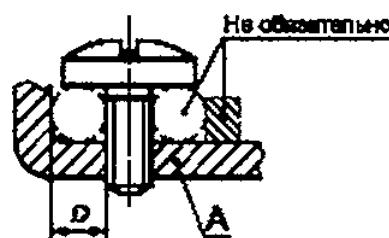
1a —



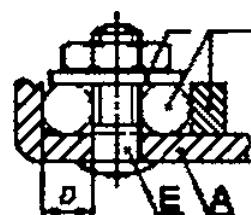
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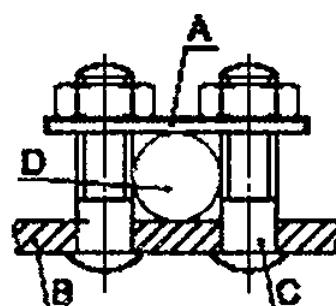
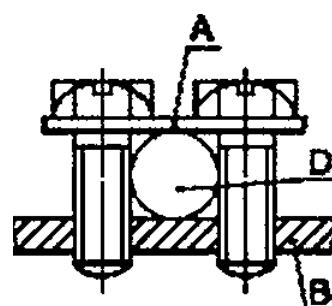
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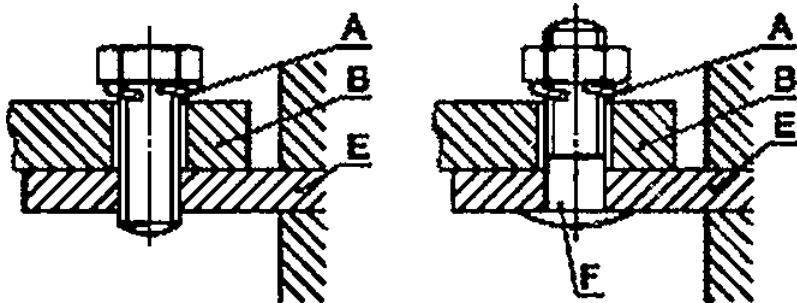
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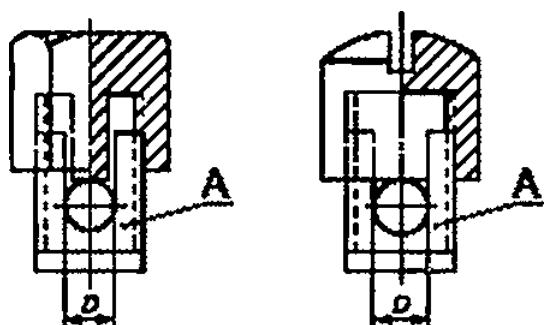
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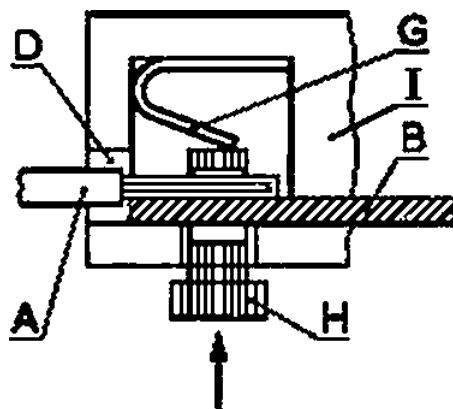
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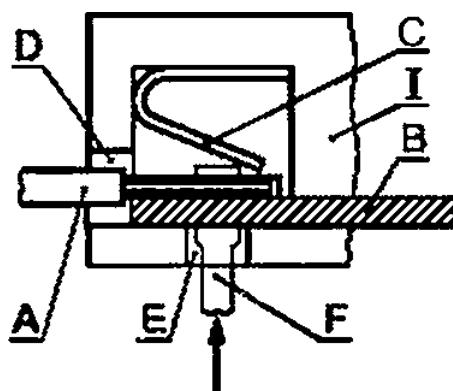
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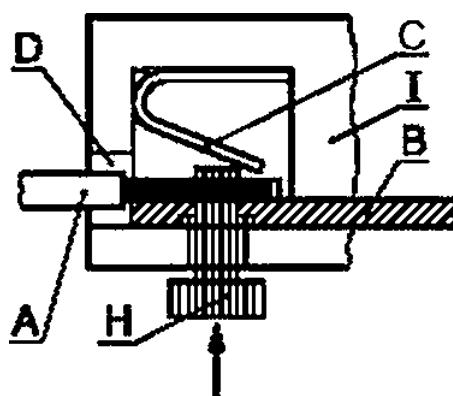
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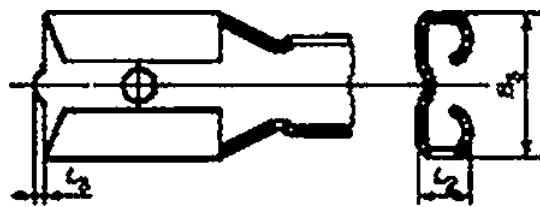


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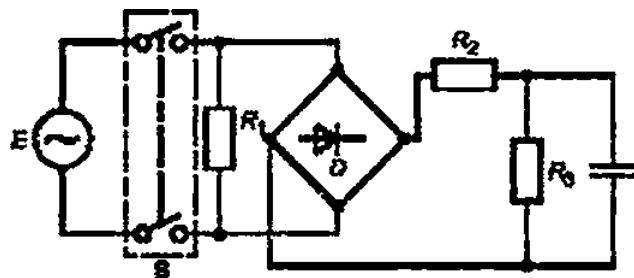
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	$\delta\beta_{max}$	Ij_{max}	ξ_3 (
2.8 * 0.5	3.8	2.3	0.5
2.8 0.8	3.8	2.3	0.5
4.8 * 0.5 ¹¹	6.0	2.9	0.5
4.8 * 0.6	6.0	2.9	0.5
6.3 * 0.8	7.8	3.5	0.5
9.5 * 1.2	11.1	4.0	0.5
1> 4.8 * 0.5	.	.	.

8 —



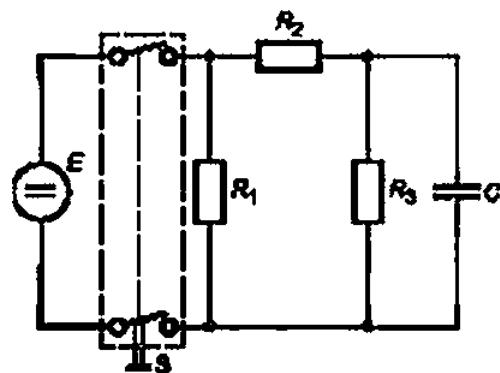
- Eff.
- ft, 1414^A X -1), X —

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ft₃ - 2S00 .

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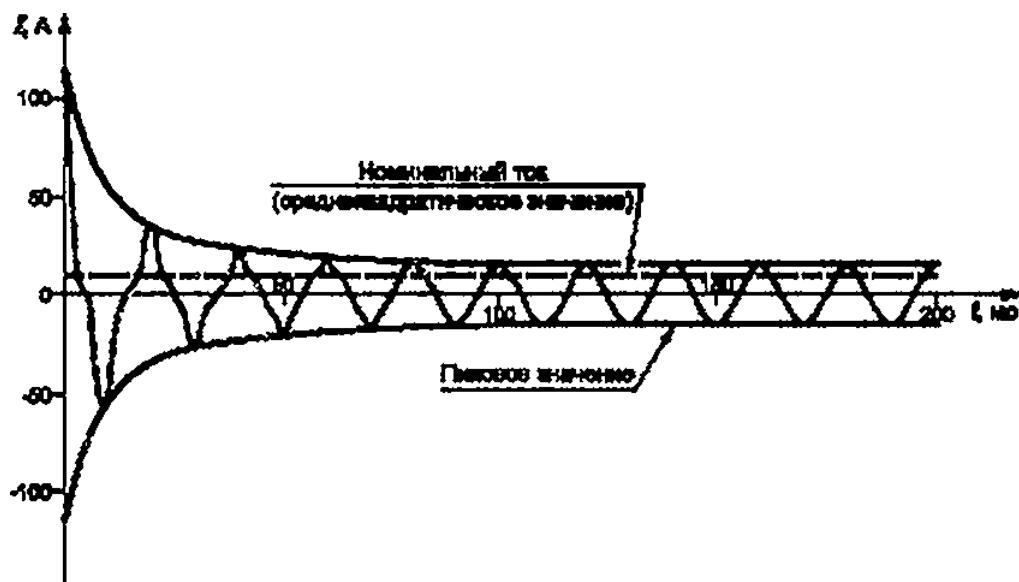


$ft, - Ef t.$
 $R_2 = \sqrt{X} - If c.$
 «3 - (/ X ft.,
 - 2500 :
 S -

I —

10%—

9 —



$ft, -250$;
 $ft_3 - 3.95$;
 $ft_3 - 2000$:
 - 636 «

10 —

10/100 250 -

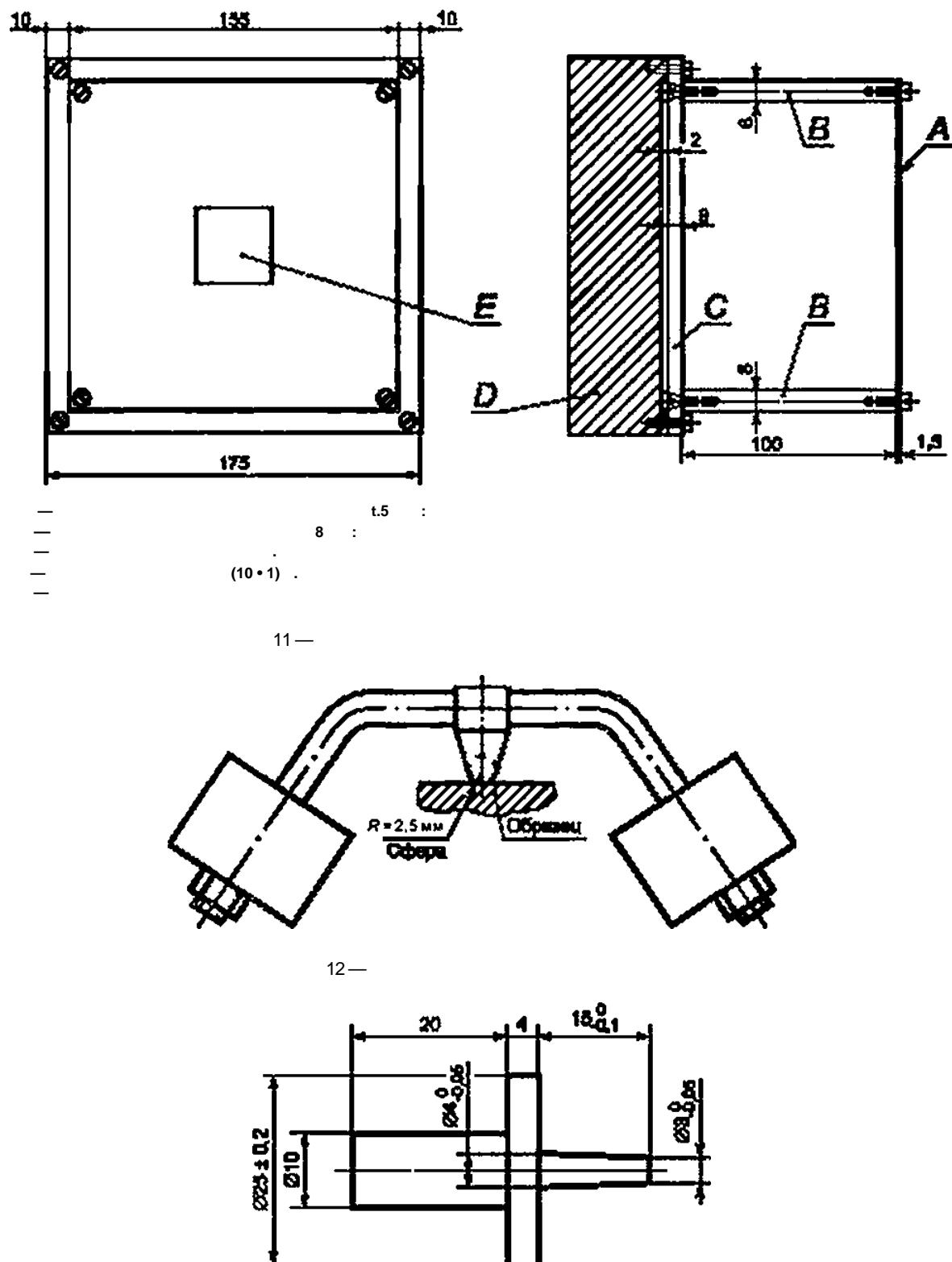
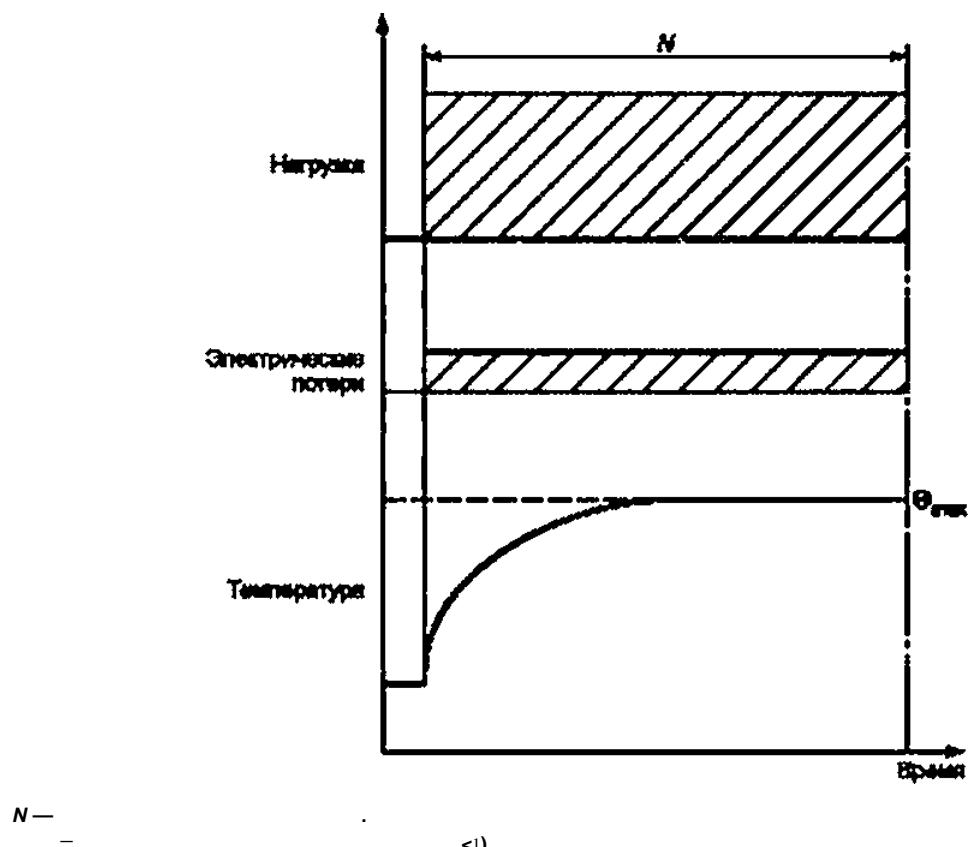


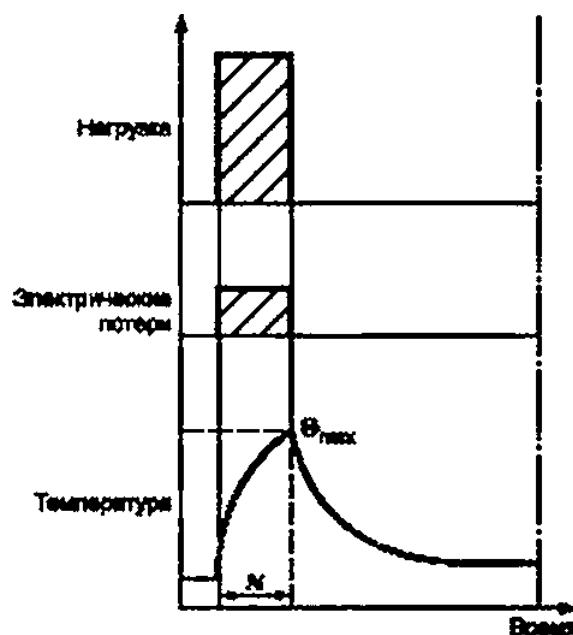
Рисунок 13 — Испытательный стержень



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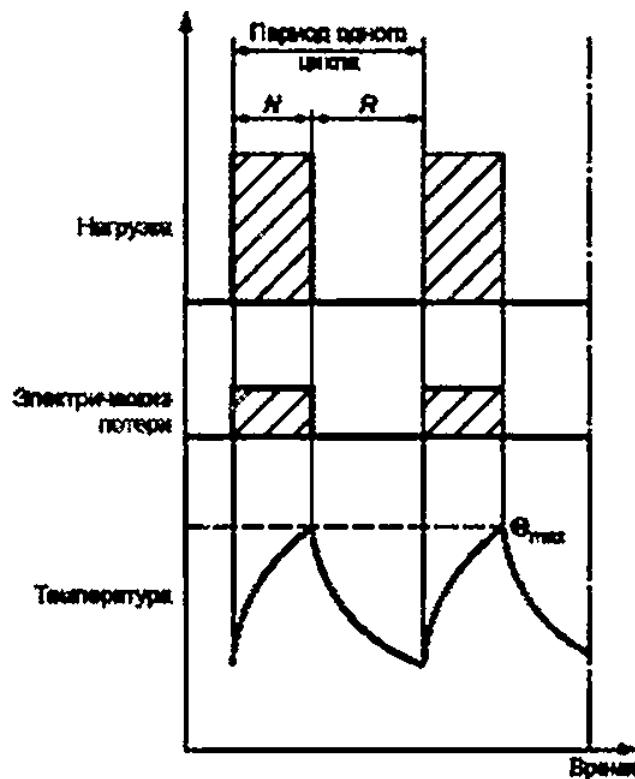
S1} (см. 7.1.16.1)

 N —
**mai ~

15 —

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S2) (. . 7.1.16.2)

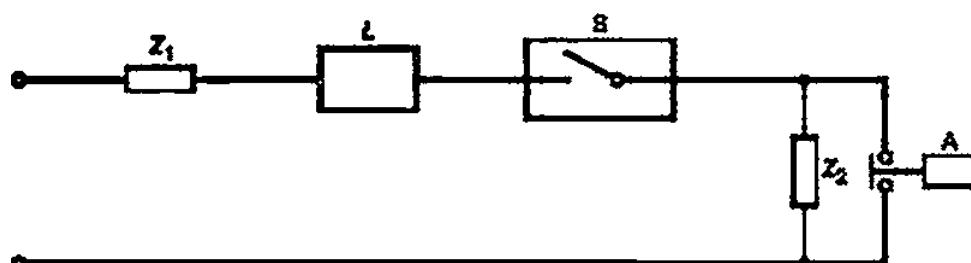


*N—
R—
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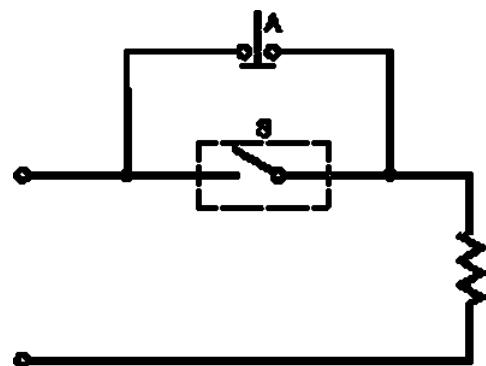
S3) (. 7.1.16.3)



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S—
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22—*

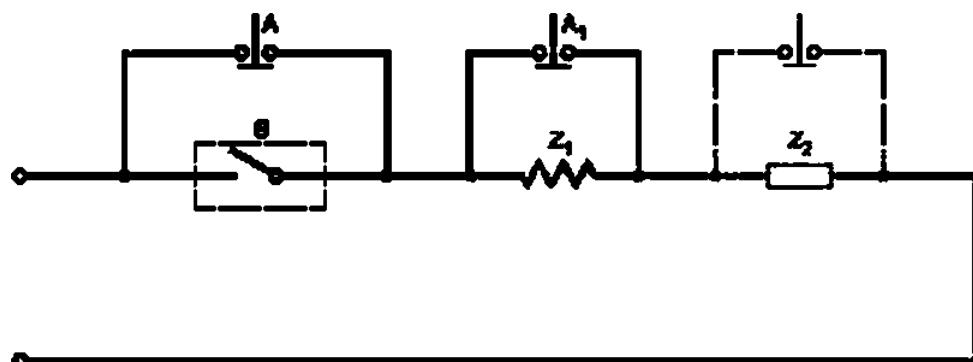
() ();

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R —
S —

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Ai -
S -
Z1 -
Z2 -

Zf2₁

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(2);

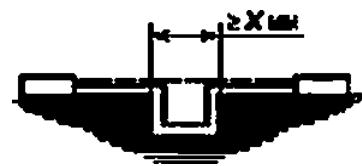
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X



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•*Xim*



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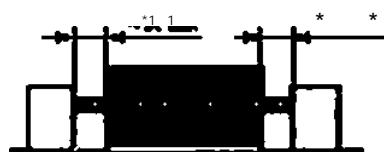
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4

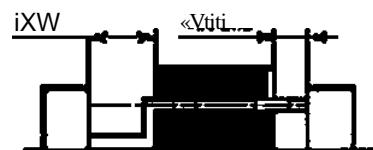


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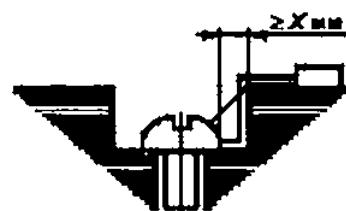
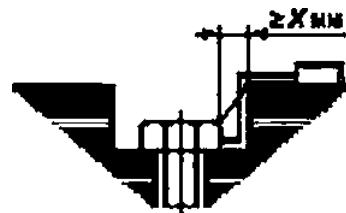
X

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s \mathbf{X}_{im}

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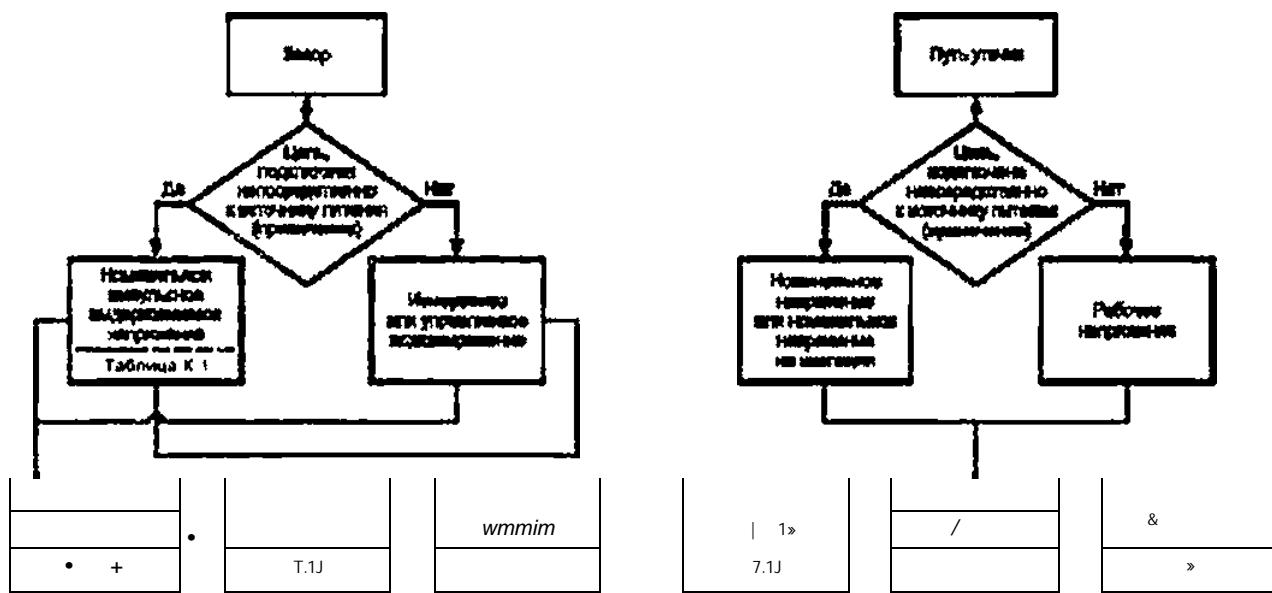


11

$d_1 \cdot d_2$.

$d_t + d_2$.

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IEC 60112.

<i>a)</i> <i>b)</i> <i>c)</i> <i>d)</i> 175. 400 600	5 « / 3 10 « : 23 24	() ; 7.3; (.), ±1 ; , 20.2	2 10.1: 10.1 100. <
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F
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F.1.1

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F.1.1.1

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IEC 60760.

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2.8	53	44	13	9	9	5	
4.8	67	89	22	13	13	9	
6.3	80		27	18	22	18	
9.5	100	80	30	30	30	20	
2.8	53	44	13	9	9	5	
4.8	67	89	22	13	13	9	
6.3	76	76	22	13	18	13	
9.5	100		40	23	40	23	

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no IEC 6003 ".		« — ».	• 41 *		
			1	(I)	III
230/400: 277/480	120—240	50 100 150 300	0.33 0.5 0.8 1.5	0.5 0.8 1.5 2.5	0.8 1.5 2.5 4.0

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IEC 61140.

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<i>O, «</i>	<i>U</i>
0.33	0.35
0.5	0.55
0.8	0.91
1.5	1.75
2.5	2.95
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6.0	7.3

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 (80) 2 20 *
 (IEC 60664-1 (4.1.1.2.1.2).
 3)

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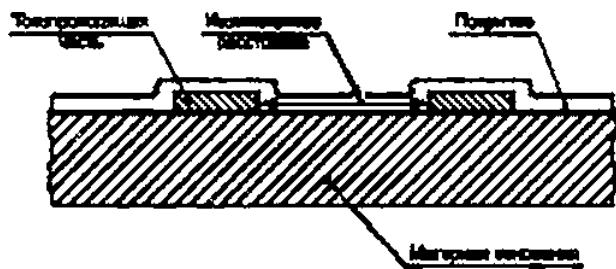
22.

2000

N. 1—

,		
2 000	80.0	1.00
3 000	70.0	1.14
4 000	62.0	1.29
5 000	54.0	1.48
6 000	47.0	1.70
7 000	41.0	1.95
8 000	35.0	2.25
9 000	30.5	2.62
10 000	26.5	3.02
15 000	12.0	6.67
20 000	5.5	14.50

20.2 1. 20.1
 , 20.2
1 80 %
2 20.1 20.2



Q.1 —

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100%-

R.2

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{IEC 61058-2-1}

(IEC 61058-2-4)

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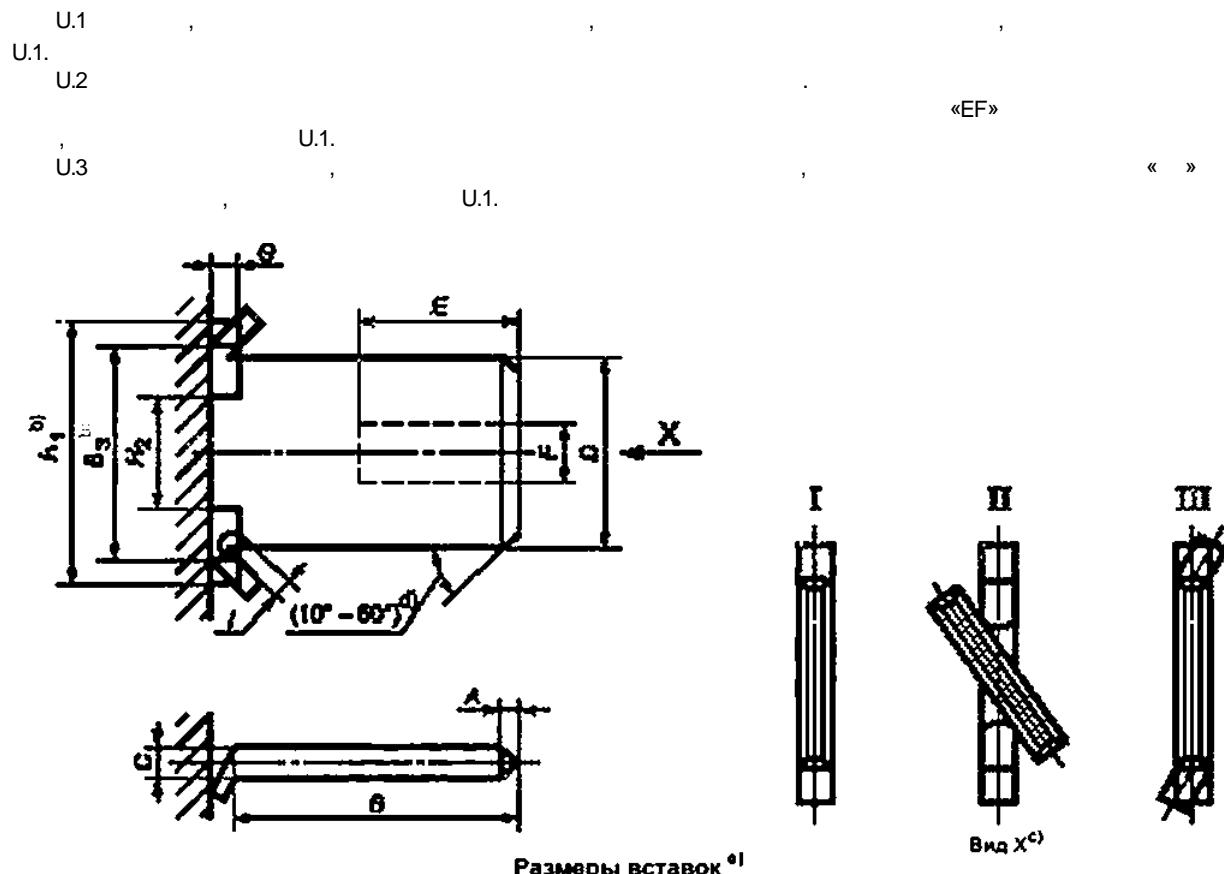
.3.5

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*	(max)	I mm	(* 0.04 - 0.03)	(0 - 0.1)	(max)	(F -)	(G - min)	(2 - mm)	(- max)
2.8 * 0.5*	0,7	7.0	0.5	2.8	3.2	1.7	0.6	1.3	1.0
2.8 * 0.8	0,7	7.0	0.8	2.8	3.2	1.7	0,6	1.3	1.0
4,8* 0.5 *	1.2	6.2	0,5	4.7	4.3	1.7	0.6	2.8	1.0
4.8 « 0.8	1.2	6.2	0.6	4.7	4.3	1.7	0.6	2.8	1.0
6.3 0.8	1.3	7.8	0.6	6.3	5.7	2.5	0.6	2.8	1.3
9.5 * 1.2	1.3	12.0	1.2	9.5	6.5	2.5	0.6	2.8	1.8
2.8 * 0.5 4.8 * 0.5									
> X , , I. II III									
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1)

V.1 , , no IEC 60335-1:2006 (30.2.3.1 30.2.3.2).

- , , IEC 60335-1:2001 (19.11.1);

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no IEC 60695-2-11 850 * .

850 * no IEC 60695-2-12. , , ± 0.1
IEC 60695-2-12.

2 IEC 60695-2-12 (0.75 ± 0.1). (1.5 ± 0.1) (3.0 ± 0.2) .
3 , , ,
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V-0 IEC 60335-1:2001 (),
V-1 no IEC 60695-11-10. , ,

5— IEC 60695-4. , , ,

3 1 60695-2-11

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3 IEC 60695-2-11. , , ,

IEC 60695-2-13 , , ,

- 775* , , 0.2 :
- 675* , ,

, , , , ± 0.1
IEC 60695-2-13.

6 — IEC 60695-2-13 (0.75 ± 0.1). (1.5 ± 0.1)
(3.0 ± 0.2) .

IEC 60695-2-11 , , , 0.2 :
- 750' , ,
- 650' , ,

7 , , , ,
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^ 4- IEC 60335-1:2001. 1:2004 2:2006.

IEC 60695-2-11,
2 .
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IEC 60335-1:2001 (). V-0 V-1
no IEC 60695-11-10, ,

[1] IEC 60695-4:2005

Fire hazard testing — Part 4: Terminology concerning fire tests for electrotechnical products

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[2] IEC 60695-11-10:2003 Fire hazard testing — Part 11-10: Test flames — 50 W horizontal and vertical flame test methods

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13.95 - 10.68. 62 1254.
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