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INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION  
(ISC)

**ГОСТ  
IEC 62080-  
2017**

**(IEC 62080:2001+Amd1:2008+Amd2:2015 CSV, IDT)**

2022

IEC 62080—2017

1.0 «

1.2 «

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1 - « -

» ( 5 ) -

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3

( 20 2017 . 98- )

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( 3166) 004—97	( 3166) 004—97	
	BY KZ KG RU TJ UZ	« »

4 2022 . 660- IEC 62080—2017 20

1 2023 .

5 IEC 62080:2001+Amd1:2008+Amd2: 2015 CSV « » («Sound signalling devices for household and similar purposes», IDT).

» (IEC). IEC/TC 23 « -

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©

« », 2022



IEC 62080—2017

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8	.....	10
9	.....	11
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11	.....	15
12	.....	19
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16	.....	28
17	.....	30
18	.....	30
19	.....	30
20	.....	31
21	.....	35
22	.....	36
23	.....	38
24	.....	39
25	.....	40
26	.....	40
	( )	49
	( )	51
	( )	56
	( )	59
	.....	63

Sound signalling devices for household and similar purposes

— 2023—01—01

**1**

		IEC 60670	
		250	100
250			
	10		
1	—	50	75
75			50
	2		

**2**

IEC 60065:1998\*, Audio, video and similar electronic apparatus — Safety requirements ( )].

IEC 60068-2-32:1975\*\*, Environmental testing — Part 2: Tests. Test Ed: Free fall (Procedure 1) ( - )

IEC 60068-2-75:1997\*\*\*, Environmental testing — Part 2-75: Tests. Test Eh: Hammer tests ( - )

IEC 60083:1997\*4, Plugs and socket-outlets for domestic and similar general use standardized in member countries of IEC ( - )

\* IEC 60065:2014.

\* \* IEC 60068-2-31:2008.

\* \*\* IEC 60068-2-75:2014.

\* 4 IEC TR 60083:2015.

**IEC 62080—2017**

- IEC 60085:1984\*, Thermal evaluation and classification of electrical insulation ( ) -
- IEC 60112:1979\*\*, Method for the determination on the proof and the comparative tracking indices of solid insulating materials ( ) -
- IEC 60127 (all parts), Miniature fuses ( )
- IEC 60212:1971\*\*\*, Standard conditions for use prior to and during the testing of solid electrical insulating materials ( ) -
- IEC 60216 (all parts), Guide for the determination of thermal endurance properties of electrical insulating materials ( )
- IEC 60227 (all parts), Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V ( )
- IEC 60245 (all parts), Rubber insulated cables — Rated voltages up to and including 450/750 V ( )
- IEC 60317 (all parts), Specifications for particular types of winding wires ( ) -
- IEC 60320 (all parts), Appliance couplers for household and similar general purposes ( )
- IEC 60384-14:1993\*4, Fixed capacitors for use in electronic equipment — Part 14: Sectional specification: Fixed capacitors for electromagnetic interference suppression and connection to the supply mains ( ) 14.
- IEC 60417 (all parts), Graphical symbols for use on equipment ( ) -
- IEC 60529:1989, Degrees of protection provided by enclosures (IP Code) ( IP)) -
- IEC 60664-1:1992\*5, Insulation coordination for equipment within low-voltage systems — Part 1: Principles, requirements and tests ( ) 1.
- IEC 60664-3, Insulation coordination for equipment within low-voltage systems — Part 3: Use of coatings to achieve insulation coordination of printed board assemblies ( ) 3.
- IEC 60670\*6, General requirements for enclosures for accessories for household and similar fixed-electrical installations ( )
- IEC 60695-2-1 (all sheets), Fire hazard testing — Part 2: Test methods — Section 1: Glow-wire test and guidance ( ) 2. 1.
- IEC 60730 (all parts), Automatic electrical controls for household and similar use ( ) 1.
- IEC 60998 (all parts), Connecting devices for low-voltage circuits for household and similar purposes ( )

\* IEC 60085:2007.

\*\* IEC 60112:2020.

\*\*\* IEC 60212:2010.

\*4 IEC 60384-14:2013.

\*5 IEC 60664-1:2007.

\*6 IEC 60670-1:2015.

## IEC 62080—2017

IEC 61000-2-2:1990\*, Electromagnetic compatibility (EMC) — Part 2: Environment — Section 2: Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems ( ) 2. 2. -

IEC 61000-3-2:2000\*\*, Electromagnetic compatibility (EMC) — Part 3-2: Limits — Limits for harmonic current emissions (equipment input current <16 A per phase) ( ) 3-2. <16

IEC 61000-3-3:1994\*\*\*, Electromagnetic compatibility ( ) — Part 3: Limits — Section 3: Limitation of voltage fluctuation and flicker in low-voltage supply systems for equipment with rated current < 16 ( ) - ( ). 3. 3. 16 )

IEC 61000-4-2:1995\*4, Electromagnetic compatibility (EMC) — Part 4: Testing and measurement techniques — Section 2: Electrostatic discharge immunity test. Basic EMC Publication ( ) - ( ). 4. 2.

IEC 61000-4-3:1995\*5, Electromagnetic compatibility (EMC) — Part 4: Testing and measurement techniques — Section 3: Radiated, radio-frequency, electromagnetic field immunity test ( ) - ( ). 4. 3.

IEC 61000-4-4:1995\*6, Electromagnetic compatibility (EMC) — Part 4: Testing and measurement techniques — Section 4: Electrical fast transient/burst immunity test. Basic EMC Publication ( ) - ( ). 4. 4.

IEC 61000-4-5:1995\*7, Electromagnetic compatibility (EMC) — Part 4: Testing and measurement techniques — Section 5: Surge immunity test ( ) - ( ). 4. 5.

IEC 61000-4-6:1996\*8, Electromagnetic compatibility (EMC) — Part 4: Testing and measurement techniques — Section 6: Immunity to conducted disturbances, induced by radio-frequency fields ( ) - ( ). 4. 6. -

IEC 61000-4-11:1994\*9, Electromagnetic compatibility (EMC) — Part 4: Testing and measuring techniques — Section 11: Voltage dips, short interruptions and voltage variations immunity tests ( ) - ( ). 4. 11. -

IEC 61558-1:1997, Safety of power transformers, power supply units and similar — Part 1: General requirements and tests ( ) - 1. )

CISPR 14 (all parts), Electromagnetic compatibility — Requirements for household appliances, electric tools and similar apparatus ( ) 2. ( ))

\* IEC 61000-2-2:2002. -

\*\* IEC 61000-3-2:2018.

\*\*\* IEC 61000-3-3:2013.

\*4 IEC 61000-4-2:2008.

\*5 IEC 61000-4-3:2006.

\*6 IEC 61000-4-4:2012.

\*7 IEC 61000-4-5:2014.

\*8 IEC 61000-4-6:2013.

\*9 IEC 61000-4-11:2004.

**IEC 62080—2017**

ISO 1456:1988\*, Metallic coatings — Electrodeposited coatings of nickel plus chromium and of copper plus nickel plus chromium ( )

ISO 2081:1986\*\*, Metallic coatings — Electroplated coatings of zinc on iron or steel ( )

ISO 2093:1986, Electroplated coatings of tin — Specification and test methods ( )

**3**

- 3.1 (sound signalling device):
- 3.2 **D** (type D device):
- 3.3 **R** (type R device)
- 3.3.1 **R1** (type R1 device):
- 3.3.2 **R2** (type R2 device):
- 3.4 (enclosure): [IEC 60529 (3.1)].
- 3.5 (fixed device):
- 3.6 (portable device):
- 3.7 (plug-in device):
- 3.8 ( ) (intermittent operation):
- 3.9 (continuous operation):
- 3.10 (rated voltage):
- 3.11 (rated voltage range):
- 3.12 (extra low voltage):  
50 120

\* ISO 1456:2009.

\*\* ISO 2081:2008.



IEC 62080—2017

3.13		; (safety extra-low voltage):	-
	50	120	
	1 —	50 120	-
	2 —		-
	3 —	« »	
	10 %		
3.14		(rated power input):	
3.15		(rated current):	
3.16		(rated frequency):	-
3.17		(rated frequency range):	
3.18		(normal use):	
3.19	(terminal):	[IEC 60998-1 ( 3.5)].	-
3.20	(screw-type terminal):	[IEC 60998-2-1 (	-
	3.101)].		
3.21	(pillar terminal):	[IEC 60998-2-1 (	-
	3.101)].		-
	—		
3.22	(screw terminal):	[IEC 60998-2-1 ( 3.101.2)].	-
	—		-
3.23		(thread-forming screw):	-
	—	1 .	
3.24		(thread-cutting screw):	
	—	1 .	
3.25	(mantle terminal):	[IEC 60998-2-1 ( 3.101.5)].	-
3.26	(	(screwless terminal):	-
	)		-
			5

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3.27	(base):			
3.28	(creepage distance):			-
3.29	(clearance):			-
3.30	(accessible parts or surfaces):			
			2.	
3.31	(basic isolation):			
—				
3.32	(supplementary insulation):			-
3.33	(double insulation):			
3.34	(reinforced insulation):			
—	«	»		-
3.35	(earth protected device):			-
				-
				-
—				
3.36	(additive insulation protected device):			-
				-
3.37	(installation protected device):			-
				-
—				
		IEC 61140 (	7.2.3).	
3.38	(rated operating time):			-
3.39	(temperature-limiting device):			-
				-
3.40	<b>X</b>	(type X rewirable attachment):		
	1 —			-
	2 —			

3.41 Z (type Z non-rewirable attachment): -

**4**

**5**

5.1  
5.2 -

5.3 -

5.4 -

5.5  
15 °C 35 °C.  
(20 ± 5) °C.

5.6 -

50 60 , 50 60 ,

50 — 60 ,

5.7 -

5.8 -

5.9 -

IEC 62080—2017

5.10 , D R ( 6), -

5.11 -

**6**

6.1 :  
- D;  
- R1;  
- R2.

6.2 :  
- ;  
- ;

6.3 :  
- , ;  
- , ;  
- , ;

**6.4**

6.4.1 , -

6.4.2 , -

6.4.3 , -

6.5 IEC 60529 ( IP). -

6.6 / :  
- ;  
- ;  
- ;

6.7 :  
- , ( -  
- );  
- , ( -  
( )).

6.8 : -

- 0 °C —  
+35 °C;  
- 0 °C +35 °C. -

**7**

7.1

)

)

)

d)

)

f)

)

h)

i)

j)

«2/1».

7.2

7.3

( 5032 IEC 60417)

( 5031 IEC 60417)

N

( 5019 IEC 60417)

IEC 60529

IPXX

Y Z

0 °C — +35 °C

1 — X

IEC 60529.

2 — Y  
Z

—10 55—

—10 °C +55 °C;

IEC 62080—2017

—10 35 —  
55 —  
55 —

-10 °C +35 °C;  
°C +55 °C;  
°C +55 °C.

7.4  
N.

5019,

IEC 60417.

7.5

5004

IEC 60417.

( «+» «-» ).

7.6

: X

«

: Z

«

».

7.1—7.6

7.7

( ),

:

15

15

—  
0,1  
65 °C,

69 °C

19,  
0,68 / ³.

**8**

( ):

2,

20

30

11,

$\pm 2$  °C.

## 9

9.1

-

-

1 —

2 —

9.2

9.2.1, 9.2.2 9.2.3.

9.2.1

9.2.2

( . 1):

15.5;

23

15.6;

11

IEC 62080—2017

- 
- 1)
- 2)
- 3)
- 4) 23, ( ) 25 -
- 15.7.
- 1—

		15.8 15.9		15.8 15.9	
		-	-	-	-
	15.5	40	120	80	120
12	15.6	10	120	20	120
<25	15.7	10	120	10	120

- 9. 2.3
- 9.2.2, 15.5.2
- 9.3 IP2X.
- 9.4 ( . 13.3)
- 20 2 3 5
- 13.3.
- 5
- 9.5



1

100

15

30

1

9.6

9.7

9.6 9.7

9.8

9.9

1

16

20

9.9

**9.10**

9.10.1

13.1,

2

13.1,

30

(40 ± 2) °C.

5

2.

5

30

9.10.2

IEC 62080—2017

—

2

(-15 ± 2) °C;

13.15.1 13.15.2

9.11

9.12

9.13

9.14 IEC 60227 IEC 60245,

23.

50 % 23.

9.15

8

0,25

## 10

$f_{min}$

$f_{max}$

0,94 1,06

$D_1$

3

$D_2$

10  
(5 )

(15 );

R1 10

(5 )

(15 );

R2

1

1

3

5

## 11

11.1

11.2—11.9.

0,94 1,06

11.2

1 2,

2.

1

IEC 62080—2017

2—

	I	II	III	IV	V
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 6,0 »	1,2	1,8	2,5	3,0	3,0

I

II

III

IV

V

—

11.3

5

25

10

15

—

( )

( )

(80 ± 10)

( )

11.4

20

500

500

11.5

20

500

500

11.6

11.7

15

1

16

23.

11.8

10,

D

(20 ± 5) °C.

10.

11.9

3.

3,

25 °C.

$$At = \frac{R_2 - R_4}{R_2} X + t_2 - t_1$$

= 234,5 ;

= 225

At — ;

R<sub>2</sub> — ;

t<sub>2</sub> — , °C.

120 °C

)

13.4

15

14.

)

240

140 °C;

)

).

5, 6, 7 , 7 8.

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3—

- >	75
- >	90
- )	95
- F )	115
- )	140
- 200	160
- 220	180
- 250	210
	45
	40
	)
-	-25
-	50
-	30
-	30
-	45
-	)
-	50
-	-25
-	95
	35
-	40
-	50
-	85
-	120
-	35
-	45
-	60
) — IEC 60085 IEC 60216.	-
) 24,	-
) — IEC 61558-1.	-

3

12

1,10

11.

4

4

4

4

4

	(Af + 25 )							
				F		200	220	250
	150	165	175	190	210	230	250	280
	200	215	225	240	260	280	300	330
	175	190	200	215	235	255	275	305
	150	165	175	190	210	230	250	280

4

	(Af + 25 )
( ):	100
-	100
:	85
-	85
( . . )	105

IEC 62080—2017

2,

14.

**13**

**13.1**

13.2.

(70 ± 2) °C.

(168 ).

96+

**13.2**

IP.

IEC 60529

11.2;

IP5X

IEC 60529,

2,



	IP4X			
	IP5X			
	IP6X			-
<b>13.3</b>				-
	IEC 60529.			-
13.3.1				-
IEC 60670		13,		-
				-
	1 —			-
	2 —	13		;
			1,5	2.
				15.4.
	2.			-
10.				-
13.3.2		13.3.1,		-
		14.2.		-
<b>13.4</b>				-
				-
				-
	91 %	95 %.		-
$t \pm 1 \text{ } ^\circ\text{C}$		20 °C	30 °C.	-

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$t$  (t + 4) °C.

- 2 (48 )—

- 7 (168 )—

1 —

4

2 —

91 % 95 %  
(Na<sub>2</sub>SO<sub>4</sub>)

(KNO<sub>3</sub>)

3 —

14.2.

**14**

14.1

14.2

14.3,

13.4

14.2

500

1

6.4.1 6.4.2

5.

5—

-	2
-	7
	2
	5

6.4.3,

6.

6.4.3,

« »

( 8).

I 6

II 6

6.

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6 —

I.	5
II.	5
III.	7

14.3

14.2

1

7 —

130

1	2 500	1 000
2	1 000	1 000
3	1 000 1 500	1 000 1 500
4	1 500	1 000
5	1 500	1 500
6	1 500	1 500
7	2U+ 1 000	2U+ 1 000

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7b —

130

		-	
1	:	3 750	1 250
2		1 250	1 250
3	, :	1 250 2 500	1 250 2 500
4	, - , - , - 23.1	2 500	1 250
5	, , , , ,	2 500	2 500
6	, , , , ,	2 500	1 250
7	, U , : - -	2U + 1 000	2U + 1 000

1 —

2 —

3 —

4 —

5 —

14.4

6.4.3

1

50

8.

8 —

	130	130
I.	1 250	2 000
II.	1 250	2 000
III.	2 500	4 000

6.4.3, « »

( 8).

I 8

II 6

1 —

2 —

3 —

±3 %.

4 —

200

100

15

	15.1	15.2	15.3	15.4

IEC 62080—2017

15.1 IEC 60068-2-75.

X ( $\pm 8\%$ ).

X = 0,2

15

X = 0,5

10

4

13.3

8

23

14.3.

23,

3,

100 HR

8

15.2

IEC 60068-2-32.

100

5

10

50

25

250

250

8,

23,

0,4

1

1

IEC 62080—2017

) , 9, 1 -  
 (70 ± 2) °C 1 -

9—

10	130/250	2 3	40 50
10	16 130/250	2 3	50 54

15.3 ) ) 1  
 4,5  
 20  
 0,5  
 3 1,2

15.4 ( ), 1  
 10.

10—

14	6,25	3,75
14 20	7,5	5,0
20	10,0	7,5

15.5 8.

15.5.1 15.5.2.

15.5.1

- 40 — 15.8 15.9,

- 80 —

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	1			(1 ±0,1)	
3.	—				
8.					
<b>15.5.2</b>	120				
/				9.2.3.	
—					
(					
3.				(1,0 ± 0,1)	
8.					
<b>15.6</b>					
-10 —	15.5,		15.8 15.9;	15.5.1	:
-20 —					
<b>15. 7</b>					
	15.5,			15.5.1	
<b>15. 8</b>					
	4,				
	5.				
/					
	7				
15.9),				X	Y
(	6).				

**16**

16.1



	16.2	16.3	16.4

16.2

1

(100 ± 2) °C.

2,

5

8.

16.3

9,

16.4.

3

2

2,5

5

20

(125 ± 2) °C

(20 ± 2) °C

11,

10

1

2

16.4

16.3,

(70 ± 2) °C

(40 ± 2) °C

11,

IEC 62080—2017

**17**

17.1	,	,	-
	,	,	-
17.2			
17.3	,	,	
17.4	,	,	-
23.			
17.5	23.		-
	,	,	
	1 —		-
	2 —		

**18**

18.1	,	,	,	,	,	-
18.2		IEC,				-
		( )				
18.3	IEC 60320.					-
	,				IEC 60320,	-
18.4						-

**19**

			IEC 60998	-
	—	0,5 1,5 ².		
			IEC 60998.	

**20**

20.1

-

- IEC 60320 ( . 20.16).

20.2

-

-

X;  
Z.  
X,

20.3

-

-

-

-

( 245 IEC 51);

(

245 IEC 53);

227 IEC 41);

(

227 IEC 52)

3 ;

(

227 IEC 53)

3 .

20.4

0,5 <sup>2</sup>.

20.5

20.6

/

20.7

1 —

2 —

20.8

20.9

10.

0,75 <sup>2</sup>;

- 5 —

IEC 62080—2017

10,

90° (45°),

Z 20 000, — 10 000.

60

1 — — 90°.

90°

2 —

10 %

3 —

4 —

20.10

2

11.

25

1

11,

1

11 —

<1	30	0,1
>1 <4	60	0,25
>4	100	0,25

2

1

23.

32



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20.14

Z

20.15

X,

30

2

1 —

30

2 —

20.16

IEC 60320,

20.17

20.18

Z

50 %

23,

1 —

2 —

« »

3 — , , , -

4 — , , , , , -

20.19

20.20

X

8

**21**

21.1

1 — , , -

2 — , , -

21.2

19.

1,5 <sup>2</sup>.

21.1 21.2

21.3.

21.3

12

25

0,05

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**22**

**22.1**

22.1.1

1 —

-10 —

-5 —

2.

2 —

5,3

2,

III.

3 —

IV

22.1.2

22.1.3



22.1.4

12 -A

22.1.4

22.1.5

( )

58 %

50 %

13 %

0,09 %

ISO 2081

ISO 1456

ISO 2093

1) —

2) —

3) —

1) —

2) —

3) —

1) —

2) —

3) —

1 —

2 —

3 —

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23

23.1

IEC 60664-1

12,

.2.

IEC 60664-3

23.2

12.

12 —

	> ' >		> ' ) >	
<130 <250	0,9 1,8	1,5 3	1,8 3,6	3 5
)	IEC 61558-1.			
)	1 IEC 60317.			
)				

23.3

13 13b.

I, II

(CTI):

- I — 600 = CTI;
- II — 400 = CTI <600;
- — 175 = CTI <400.

CTI

IEC 60112

13 —

( )			
	I	II	
130	0,8	1,1	1,5
250	1,3	1,8	2,5

13b —

( )			
	I	II	
130	1,3	1,9	2,6
250	2,5	3,6	5

CTI,

PTI.

23.4

## 24

24.1

24.2

IEC 60695-2-1

850 °C,

650 °C;

650 °C.

15

15

8

13).

1 —

2

2 —

3 —

24

IEC 60212.

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IEC 61000-2-2.

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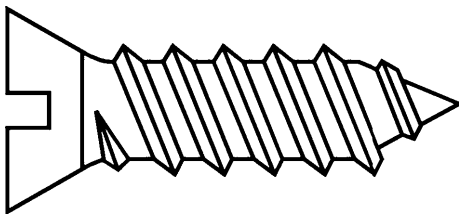
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26.2. 1		(RF)		
		IEC 61000-4-6.		
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26.2. 2		IEC 61000-4-11.		
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26.2. 3				
1,2/50		IEC 61000-4-5.		
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26.2. 4		IEC 61000-4-4.		/
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26.2. 5		IEC 61000-4-2.		
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26.2. 6		IEC 61000-4-3.		
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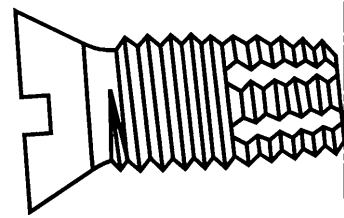
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26.3. 1		CISPR 14.		
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26.3. 2		CISPR 14.		
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26.3. 4		IEC 61000-3-3 CISPR 14.		
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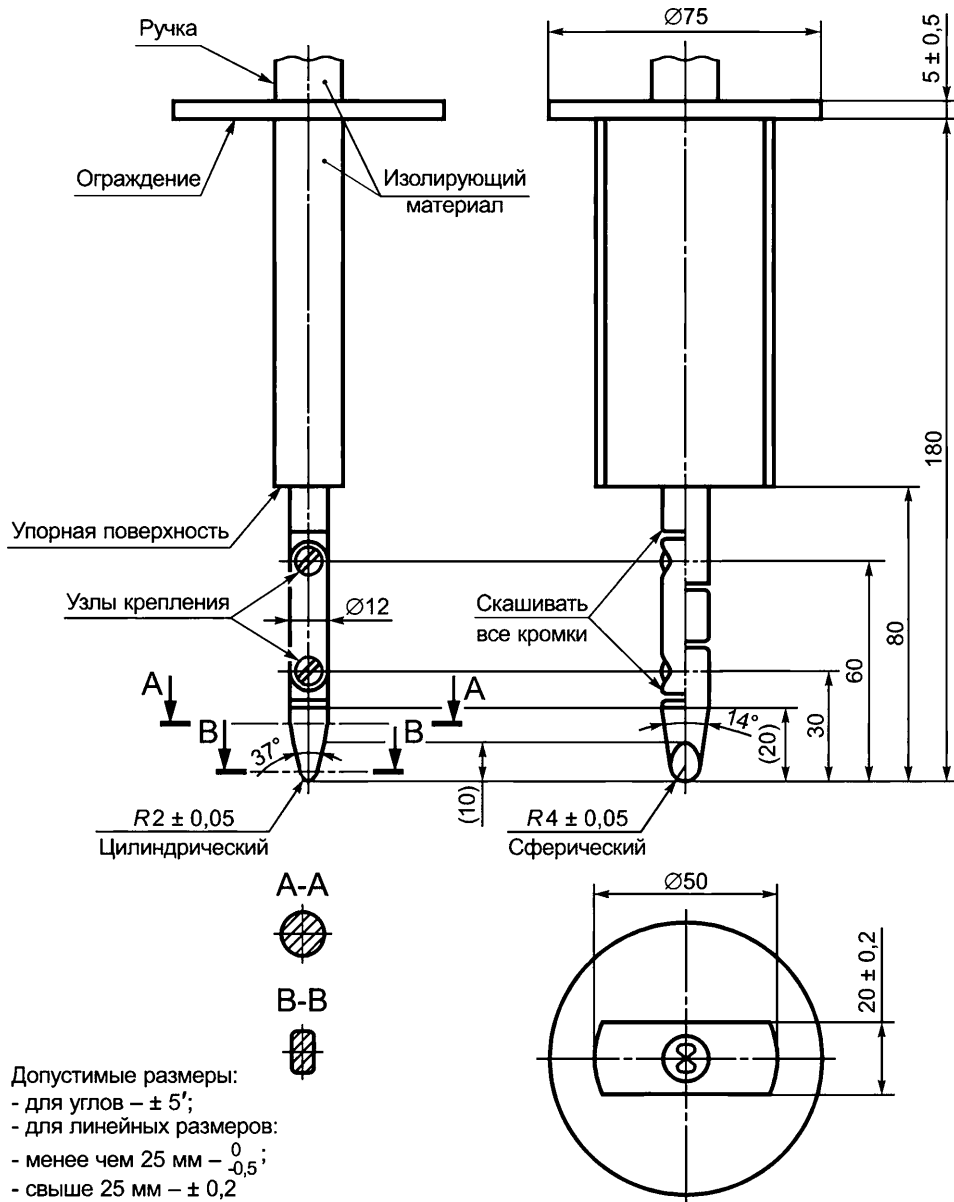


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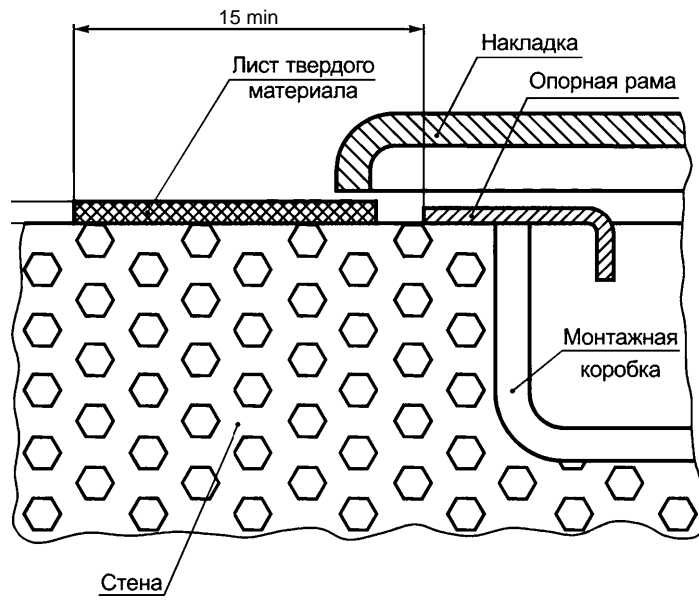


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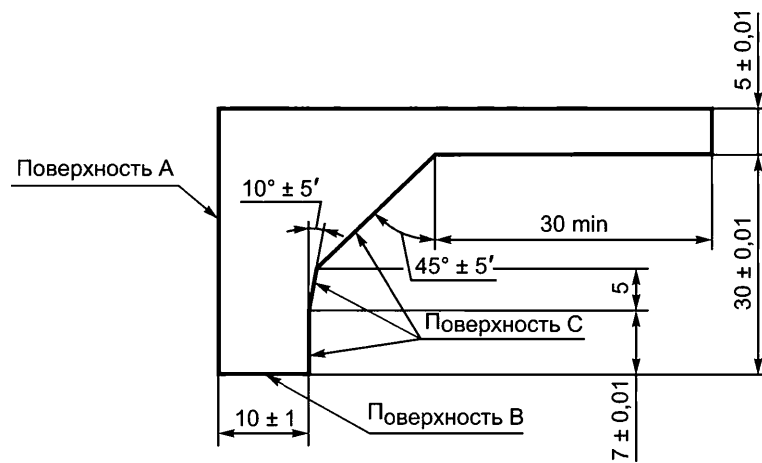
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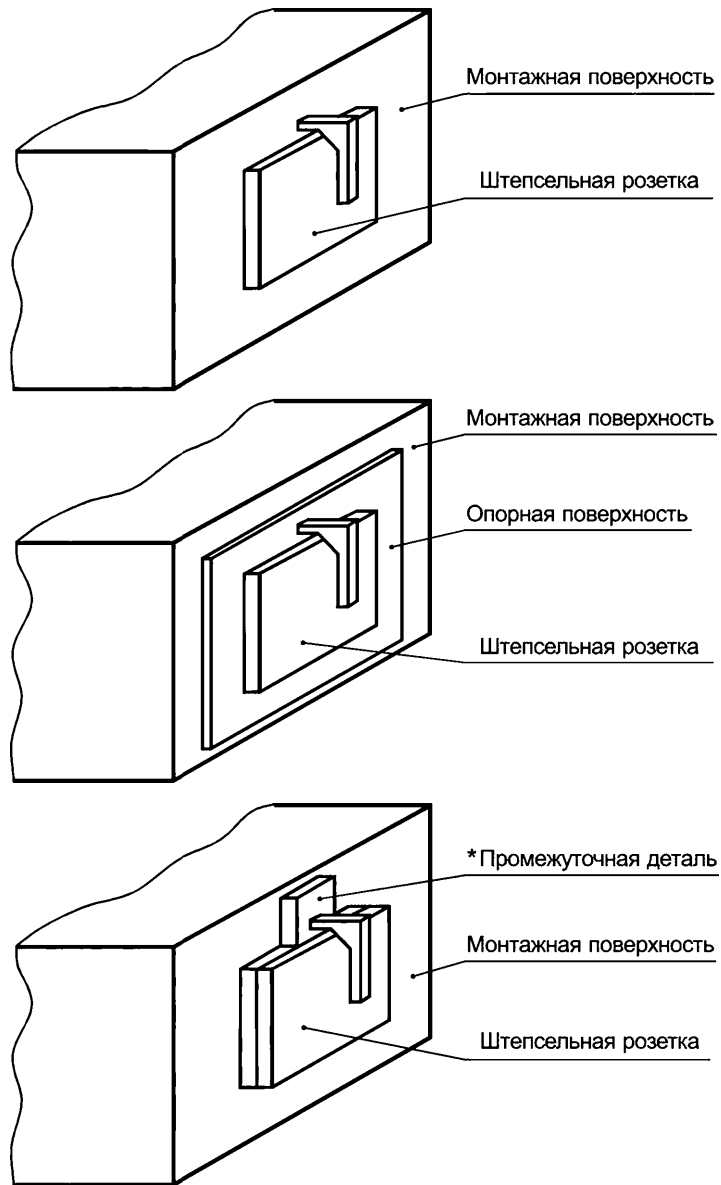
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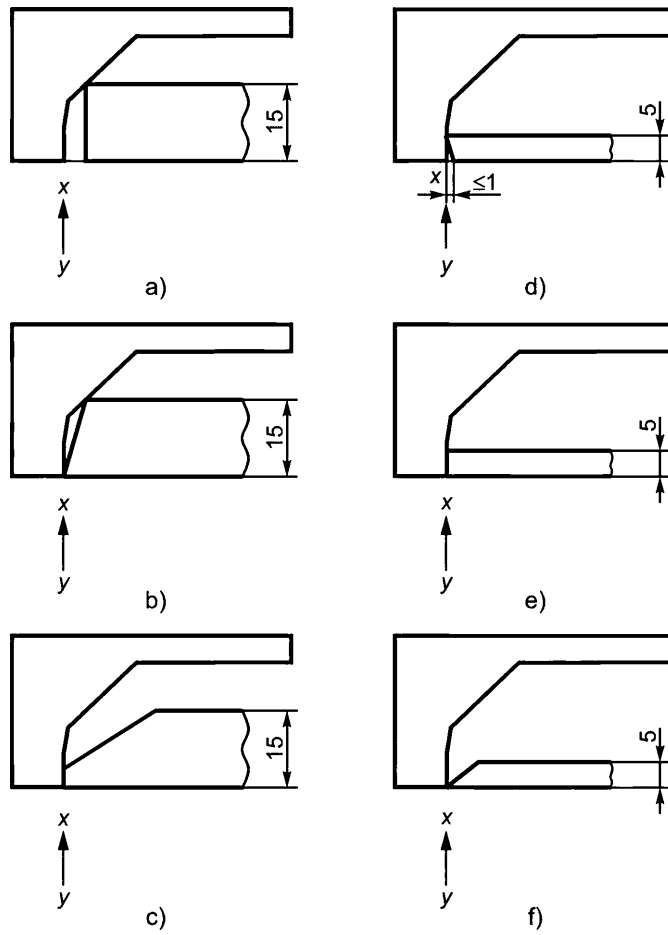
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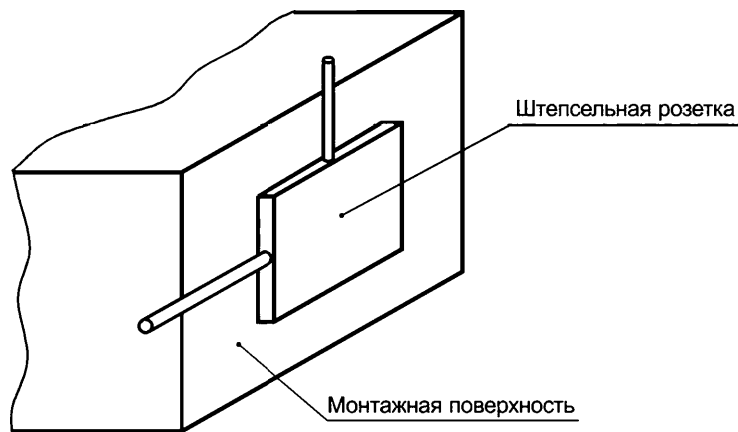


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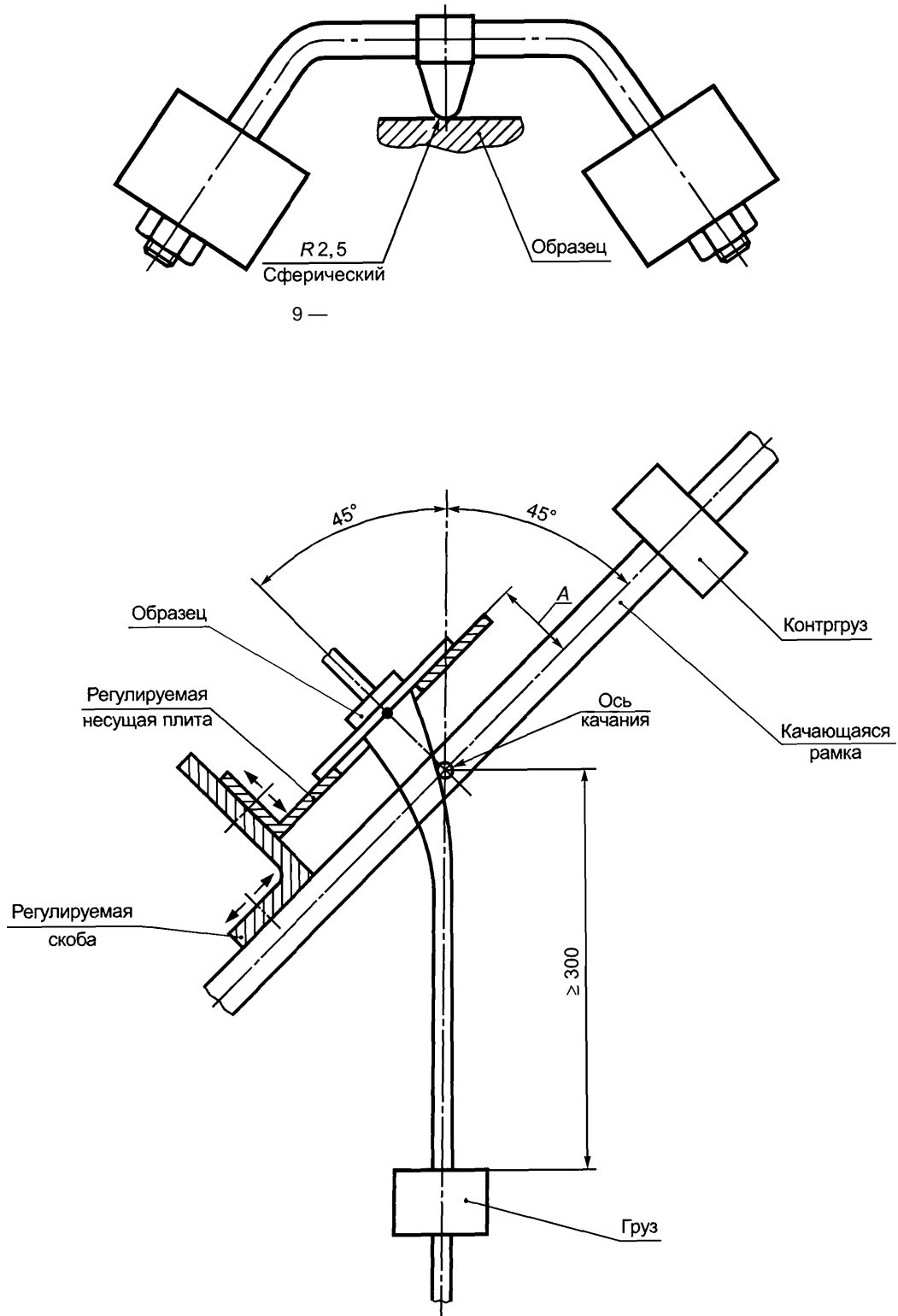
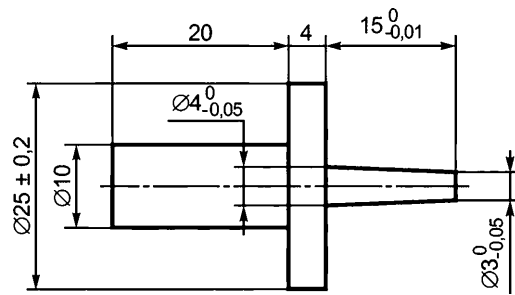
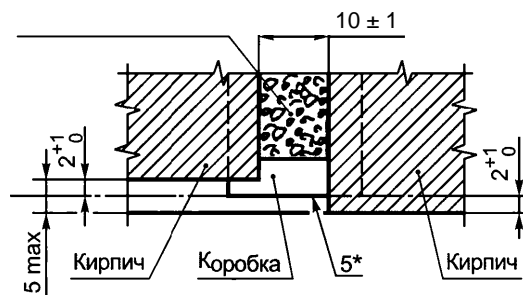
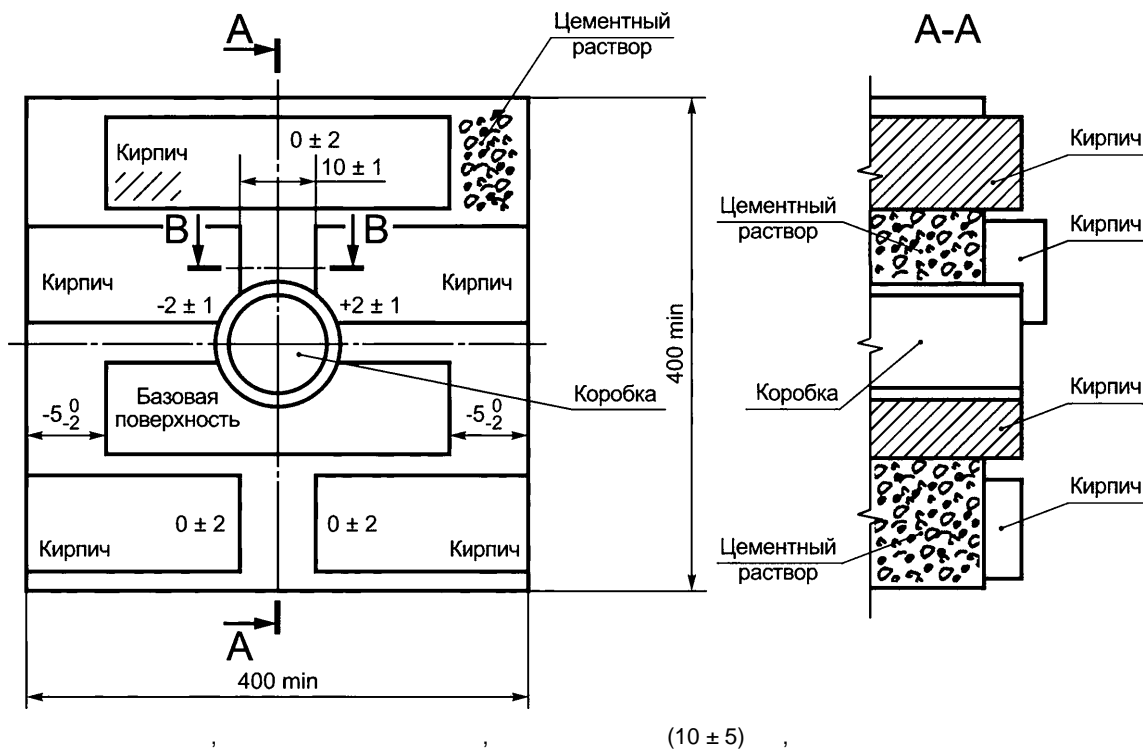


Рисунок 10 — Устройство для испытания на изгиб

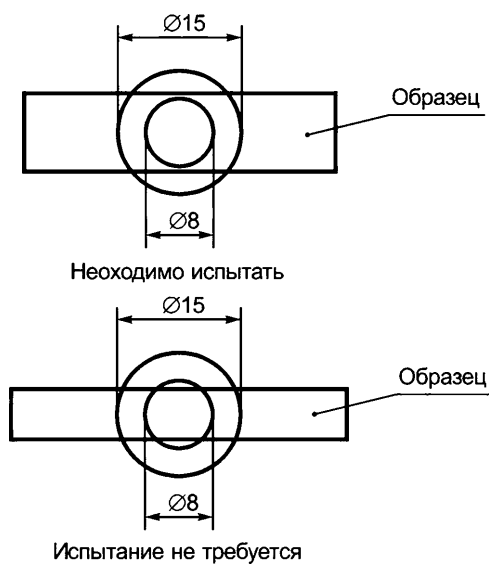


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2 IEC 60317-0-1 ( 13),

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Table with 2 columns: Reference (left) and Note (right). The table lists various IEC standards and their corresponding notes.

Reference	Note
	IEC
	IEC
.3.1.1	IEC 60127 1 500
	35
.3.1.2	IEC 60384-14 ( II),
0,5	IEC 60384-14 ( 4.12),
21	
.3.1.3	IEC 60065 ( 14.1),
	( 11).
.3.1.4	( )
IEC 60730	( )
IEC	

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1:		$R_F$		IEC 61000-4-6	—	—
				IEC 61000-4-11	—	—
		1,2/50 ( )		IEC 61000-4-5	—	—
		( )		IEC 61000-4-4	—	—
				IEC 61000-4-2	—	—
				IEC 61000-4-3	—	—
				CISPR 14-1	—	—
				CISPR 14-1	—	—
			»	IEC 61000-3-2	—	—
			)	IEC 61000-3-3	—	—
2:		$R_F$		IEC 61000-4-6	—	—
				IEC 61000-4-11	—	—
		1,2/50 ( )		IEC 61000-4-5	—	—
		( )		IEC 61000-4-4	—	—
				IEC 61000-4-2	—	—
				IEC 61000-4-3	—	—

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			»	IEC 61000-3-2	—	—	
			)	IEC 61000-3-3	—	—	
3:		$R_F$	-	IEC 61000-4-6	—	—	
			-	IEC 61000-4-11	—	—	
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		( )	-	IEC 61000-4-4	—	—	
				IEC 61000-4-2	—	—	
			-	IEC 61000-4-3	—	—	
			)	CISPR 14-1	CISPR 14-1 ( 1)	—	
			)	CISPR 14-1	CISPR 14-1 ( 2)	—	
			!)	IEC 61000-3-2	—	—	
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				IEC 61000-4-3	3 /	
				CISPR 14-1		—
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			»	IEC 61000-3-2	—	—
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			»	IEC 61000-3-2	—	—
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				IEC 61000-4-11	—	—
		1,2/50 ( )		IEC 61000-4-5	—	—
		( )		IEC 61000-4-4	—	—
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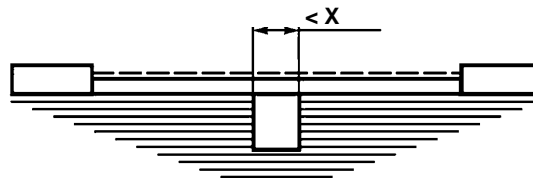
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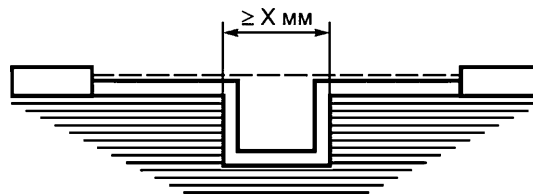
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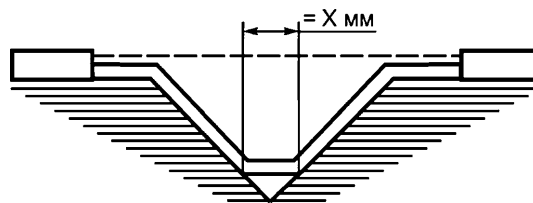
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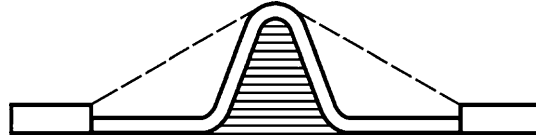
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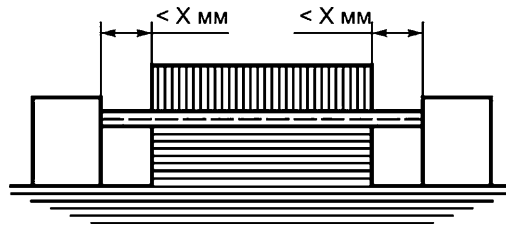
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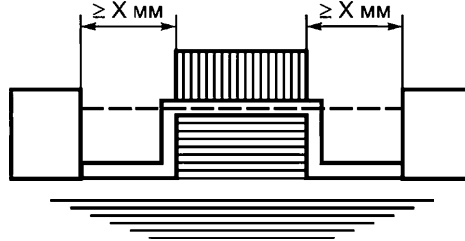
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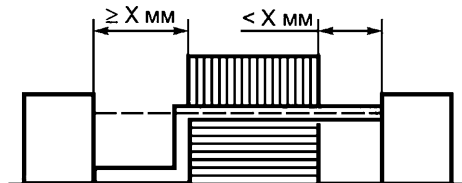


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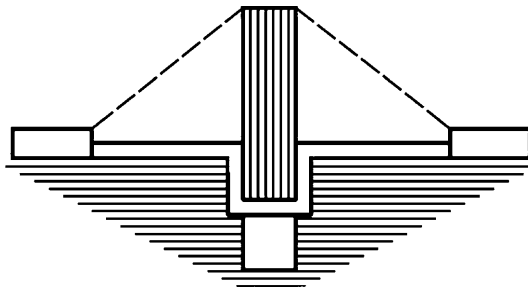


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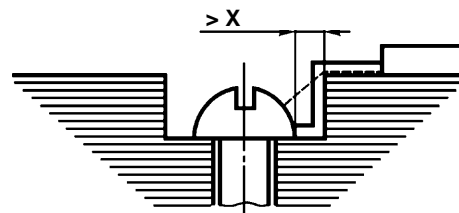
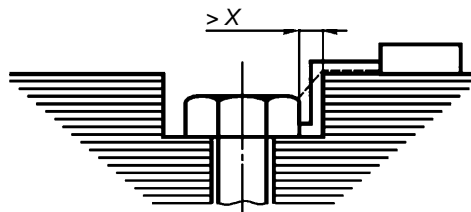
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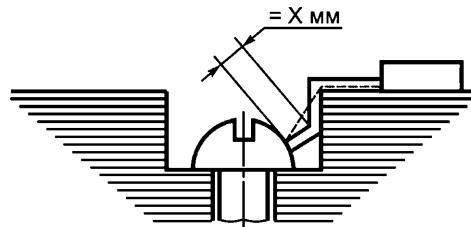
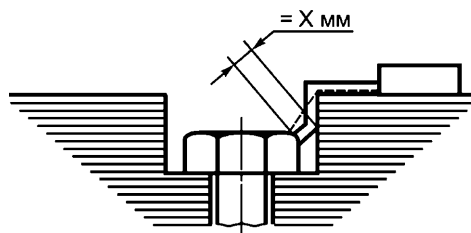
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IEC 60065:1998	IDT	IEC 60065—2013 « , - - » (IEC 60065:2011, IDT)
IEC 60068-2-32:1975	MOD	28218—89 ( 68-2-32-75) « 2. Ed:
IEC 60068-2-75:1997	MOD	30630.1.10—2013 (IEC 60068-2-75:1997) « - - »
IEC 60083:1997	—	*
IEC 60085:1984	—	* 1)
IEC 60112:1979	IDT	27473—87 ( 112-79) « »
IEC 60127 (all parts)	IDT	IEC 60127-1—2010 « 1. »
	IDT	IEC 60127-2—2013 « »
	IDT	IEC 60127-3—2013 « »
	IDT	IEC 60127-4—2011 « 4. »
	MOD	30801.5—2012 « 5. »
	IDT	IEC 60127-6—2013 « 6. - »
IEC 60212:1971	—	* 2)
IEC 60216 (all parts)	—	*
IEC 60227 (all parts)	IDT	IEC 60227-1—2011 « 450/750 1. »

1) 60085—2011 « » (IEC 60085:2007, IDT).

2) 50532—93 ( 212-71) « ».

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IEC 60227 (all parts)	IDT	IEC 60227-2—2012 « 450/750 »	2.	-
	IDT	IEC 60227-3—2011 « 450/750 »	3.	
	IDT	IEC 60227-4—2011 « 450/750 »	4.	
	IDT	IEC 60227-5—2011 « 450/750 ( )»	5.	
	IDT	IEC 60227-6—2011 « 450/750 »	6.	-
	IDT	IEC 60227-7—2012 « 450/750 »	7.	-
IEC 60245 (all parts)	IDT	IEC 60245-1—2011 « 450/750 »	1.	-
	IDT	IEC 60245-2—2011 « 450/750 »	2.	-
	IDT	IEC 60245-3—2011 « 450/750 »	3.	-
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	IDT	IEC 60245-5—2011 « 450/750 »	5.	-
	IDT	IEC 60245-6—2011 « 450/750 »	6.	-
	IDT	IEC 60245-7—2011 « 450/750 »	7.	-
	IDT	IEC 60245-8—2011 « 450/750 »	8.	-
IEC 60317 (all parts)	—	*		
IEC 60320 (all parts)	—	*		
IEC 60384-14:1993	IDT	IEC 60384-14—2015 « 14. » (IEC 60384-14:2013, IDT)	14.	:



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IEC 60417 (all parts)	—	*
IEC 60529:1989	MOD	14254—2015 (IEC 60529:2013) « ( IP)»
IEC 60664-1:1992	—	*, 1)
IEC 60664-3	IDT	IEC 60664-3—2015 « 3. » (IEC 60664-3:2010, IDT)
IEC 60670	IDT	IEC 60670-1—2016 « 1. » (IEC 60670-1:2015, IDT)
IEC 60695-2-1	—	*
IEC 60730 (all parts)	IDT	IEC 60730 ( ) « »
IEC 60998 (all parts)	IDT	IEC 60998 ( ) « 1. »
IEC 61000-2-2:1990	—	*
IEC 61000-3-2:2000	IDT	IEC 61000-3-2—2017 « 3-2. ( ). ( 16 )» (IEC 61000-3-2:2014, IDT)
IEC 61000-3-3:1994	IDT	IEC 61000-3-3—2015 « 3-3. ( ). - - 16 - ( ), » (IEC 61000-3-3:2013, IDT)
IEC 61000-4-2:1995	—	*
IEC 61000-4-3:1995	IDT	IEC 61000-4-3—2016 « 4-3. ( ). - » (IEC 61000-4-3:2010, IDT)
IEC 61000-4-4:1995	IDT	IEC 61000-4-4—2016 « 4-4. ( ). - ( )» (IEC 61000-4-4:2012, IDT)
IEC 61000-4-5:1995	IDT	IEC 61000-4-5—2014 « 4-5. . - » (IEC 61000-4- 5:2005, IDT)
IEC 61000-4-6:1996	—	*
IEC 61000-4-11:1994	—	*

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IEC 61558-1:1997		IEC 61558-1—2012 « 1. » (IEC 61558-1:2009, IDT)
CISPR 14 (all parts)	IDT	CISPR 14-1—2015 « 1. » (CISPR 14-1:2011, IDT)
	IDT	CISPR 14-2—2016 « 2. » (CISPR 14-2:2015, IDT)
ISO 1456:1988	—	*
ISO 2081:1986	IDT	ISO 2081-2017 10* (ISO 2081:2008, IDT)
ISO 2093:1986	—	—
<p>* — : - IDT — ; - MOD —</p>		

IEC 60061-2	Lamp caps and holders together with gauges for the control of interchangeability and safety — Part 2: Lampholders ( . 2. )
IEC 60061-3	Lamp caps and holders together with gauges for the control of interchangeability and safety — Part 3: Gauges ( . 3. )
IEC 60238	Edison screw lampholders ( )
IEC 60357	Tungsten halogen lamps (non-vehicle) — Performance specifications ( ( ). - )
EN 60838 ( )	Miscellaneous lampholders ( )
IEC 61140	Protection against electric shock — Common aspects for installation and equipment ( . )
IEC 61184	Bayonet lampholders ( )

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