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INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION
(ISC)

IEC
60838-1—
2011

1

(IEC 60838-1:2004,)



2013

1.2—2009 « 1.0—92 « » -
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 29 2011 . 40)

no (3166) 004—97	(3166) 004—97	
	AZ AM BY GE KZ KG MO RU TJ TM UZ UA	- « »

4 13
 2011 . 966- IEC 60838-1—2011
 1 2013 .
 5 IEC 60838-1:2004 Miscellaneous
 lampholders — Part 1: General requirements and tests (1. -
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— (IDT). 60838-1 —2008
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 « », — ()
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1	1
2	3
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7	7
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11	10
12	11
13	12
14	12
15	15
16	16
17	18
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	()	20
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	D ()	22
	() -	24

Miscellaneous lampholders. Part 1. General requirements and tests

— 2013—01—01

1

1.1

(. . . , , . . .) , , , *
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 IEC 60238 8.4 — 8.6, 9.3, 10.7, 11, 12.2, 12.5 —12.7,
 13, 15.3 —15.5 15.9. IEC 60399.
 —

1.2

IEC 60061-1:1969 Lamp caps and holders together with gauges for the control of interchangeability and safety. Part 1. Lamp caps (

. . . 1.)

IEC 60061-2:1969 Lamp caps and holders together with gauges for the control of interchangeability and safety. Part 2. Lampholders (

. . . 2.)

IEC 60061-3:1969 Lamp caps and holders together with gauges for the control of interchangeability and safety. Part 3. Gauges (

. . . 3.)

IEC 60061-4:1990 Lamp caps and holders together with gauges for the control of interchangeability and safety; part 4: guidelines and general information (

. . . 4:)

IEC 60068-2-20:2008 Environmental testing — Part 2-20: Tests — Test T: Ntst methods for solderability and resistance to soldering heat of devices with leads (

2-20. . .)

IEC 60068-2-75:1997 Environmental testing — Part 2: Tests — Test Eh: Hammer tests (

. . . 2—75. . . Eh.)

IEC 60112:2003 Method for the determination of the proof and the comparative tracking indices of solid insulating materials ()

IEC 60227-1:2007 Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V — Part 1: General requirements (450/750 1.)

IEC 60227-2:2003 Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V — Part 2: Test methods (450/750 2.)

IEC 60227-3:1997 Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V — Part 3: Non-sheathed cables for fixed wiring (450/750 3.)

IEC 60227-4:1992 Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V — Part 4: Sheathed cables for fixed wiring (450/750 4.)

IEC 60227-5:2011 Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V — Part 5: Flexible cables (cords) (450/750 5. ())

IEC 60227-6:2001 Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V — Part 6: Lift cables and cables for flexible connections (450/750 6.)

IEC 60227-7:2003 Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V — Part 7: Flexible cables screened and unscreened with two or more conductors (450/750 7.)

IEC 60238:2004 Edison screw lampholders ()

IEC 60245-1:2008 Rubber insulated cables — Rated voltages up to and including 450/750 V — Part 1: General requirements (450/750 1.)

IEC 60245-2:1994 Rubber insulated cables — Rated voltages up to and including 450/750 V — Part 2: Test methods (450/750 2.)

IEC 60245-3:1994 Rubber insulated cables — Rated voltages up to and including 450/750 V — Part 3: Heat resistant silicone insulated cables (450/750 3.)

IEC 60245-4:2011 Rubber insulated cables — Rated voltages up to and including 450/750 V — Part 4: Cords and flexible cables (450/750 4.)

IEC 60245-5:1994 Rubber insulated cables — Rated voltages up to and including 450/750 V — Part 5: Lift cables (450/750 5.)

IEC 60245-6:1994/AMD. 1 (1997) Rubber insulated cables — Rated voltages up to and including 450/750 V — Part 6: Arc welding electrode cables; Amendment 1 (450/750 6. 1)

IEC 60245-7:1994 Rubber insulated cables — Rated voltages up to and including 450/750 V — Part 7: Heat resistant ethylene-vinyl acetate rubber insulated cables (450/750 7.)

IEC 60245-8:2012 Rubber insulated cables — Rated voltages up to and including 450/750 V — Part 8: Cords for applications requiring high flexibility (450/750 8.)

IEC 60352-1:1997 Solderless connections — Part 1: Wrapped connections — General requirements, test methods and practical guidance (1.)

IEC 60399:2004 Barrel thread for lampholders with shade holder ring (14 27)

- IEC 60529-2001 Degrees of protection provided by enclosures (IP code) () -
- IEC 60598-1:2008 Luminaires — Part 1: General requirements and tests () 1. -
- IEC 60664-1:2007 Insulation coordination for equipment within low-voltage systems — Part 1: Principles, requirements and tests () 1. -
- IEC 60695-2-2:1991 Fire hazard testing — Part 2: test method — Section 2: needleflame test () 2. 2. -
- IEC 60695-2-11:2000 Fire hazard testing — Part 2: Glowing/hot-wire test methods — Glow-wire flammability test method for end-products () 2-11. -
- ISO 1456:2009 Metallic and other inorganic coatings — Electrodeposited coatings of nickel, nickel plus chromium, copper plus nickel and of copper plus nickel plus chromium () — -
- ISO 2081:2008 Metallic and other inorganic coatings — Electroplated coatings of zinc with supplementary treatments on iron or steel () — -
- ISO 2093:1986 Electroplated coatings of tin — Specification and test methods () — -
- ISO 4046-4:2002 Paper, board, pulps and related terms—Vocabulary — Part 4: Paper and board grades and converted products () 4. -

2

- 2.1 (rated voltage): -
- 2.2 (working voltage): -
- 2.3 (rated current): -
- 2.4 (lampholder for building-in): -
- 2.4.1 (unenclosed lampholder): -
- 2.4.2 (enclosed lampholder): -
- 2.5 (rated operating temperature): -
- 2.6 (rated pulse voltage): -
- 2.7 (lamp connectors): -
- 2.8 (type test): -
- 2.9 (type test sample): -
- 2.10 (live part): -

2.11 (impulse withstand category): , -

— I, II, III, IV.

a) , -

b) , -

I — , -

II — , -

III — , -

IV — , -

2.12 (primary circuit): , -

2.13 (secondary circuit): , -

()

II.

3

4

4.1 , -

— , -

IEC 60061-4 (

).

4.2
(20 ± 5) *

4.3.

4.3
10

12, 15

16.6,

7,

10.2, 10.3,

10

8.2).

3 —14(

8.2

15

16.6;

— 16.1;

— 16.3;

— 16.4;

— 16.5

17.

(. 6.3)

4.4

4.3.

4.3.

5

5.1 :
:

- ;
-

5.2 :
- 80 °C ;
- 80 °C ().

, ,
() ,

6

6.1 :

a) (, -
);

b) - , ,
, ,
, ,

6.2 () -
, :

a) (

b) ;

c) , 80 °C, 10 °C;

d) , :
-

- (V),
- (),
- Bt (W),

- (kV).

- , , 2 250 2/250, 25Q,
, ,

- 5); (-

- « »

, 300; (-

-) , 0.51l.

, , II. , -

III. , -

6.3

6.4

15

15

- 65 °C,

- 69 °C

0.1 %,

- 0,68 / °C

29.

7

7.1

B22d-3, BY22d, G22, G38, P28s, P30s P40,

G22 G38.

IEC 60529.

10

40

7.2

R7s/RX7s,

IEC 60061

IEC 60061,

8

8.1

- ;
- ;
- ;
- ;
- .

(-) , ,
, ,

8.2 8.3. :

- — IEC 60598-1 (14);
- — IEC 60598-1 (15);
- — IEC 60598-1 (15);
- — IEC 60352-1.

- — IEC 60068-2-20;

- — 8.3.
« »

8.3 , ,

IEC 60227 IEC 60245, IEC 60598-1 (5.3).

15 , , 1 20

9

9.1 , ,

9.2 , ,

11.2.2

()

()

1 10

12

0,10

9.3

8.

8.

9.4.

9.5

10

10.1

10.2

IEC 60061-2

(10.4)

10.4.

10.3 , R7s RX7s ,

0,25 .

(6) — 0,1 . -

10.4 -

1 — , ,

2— .

1 ,

1,25

45 . -

—

(3 ,

65 °C)
20* . -

11 ,

11.1 .

91 % — 95 % . -

$t=[(20-30) \pm 1] \text{ } ^\circ\text{C}.$
 $t \text{ } ^\circ\text{C}.$ -

(48) . -

11.2 :

11.2.1

11.2.2 ,

11.2.1 ,

- 500 ,

1 ,

1, .

1. -

!—

	50	50
*	1	2
—	—	
-	1	4

11.2.2

1.
 500 — 1
 2U— 50 60 ,
 2U+ 10 — ; (U—).

12

IEC 60068-2-75

a) (. IEC 60068-2-75 4):
 IEC 60068-2-75.

b)

	100 ± 1
	150 ± 1,5

c)

d)

e)

f)

)

h)

1)

14,

2)

i)

j)

h).

IEC 60598-1

0,2 0,7

IEC 60068-2-75.

13

IEC 60598-1 (4.11 4.12).

14

2 2 .

II.

2 , —

2 .

III, IEC 60664-1.

2,

60664-1.

IEC

2 2 ,

50/60 2 —

II

		50	150	250	500
1	*				
2	-				
	1*,				
	:				
	PTI 2* S 600	0,6	0,8	1.5	3
	PTI 2* < 600	1.2	1.6	2.5	5
	—	0,2	0,8	1.5	3
3	-				
	(
),				
	,				
	2				
	:				
	-	0.6	0.8	1.5	3
1* () -					
IEC 60061-2.					
2* PTI ()— IEC 60112.					
, PTI > 600, (PTI).					60 , -
, PTI > 600,					-
, PTI £ 600, (PTI).					
11.2.2.					25

50/60 2 —

III

		50	150	250	500
1	-	0,6	0,8	1.5	3
2	-				
	1*,				
	:				
	PTI 2* > 600	0.6	1.5	3	4
	PTI 2* < 600	1,2	1.6	3	5
	—	0,2	1.5	3	4

2

	50	150	250	500
	3	0,6	1,5	3

IEC 60061-2.

3.

	2	2.5	3	4	5	6	8	10	12
	1	1,5	2	3	4	5,5	8	11	14

3

	15	20	25	30	40	50	60	80	100
	18	25	33	40	60	75	90	130	170

IEC 60664-1 (

(2 3 2 3).

(. IEC 60664-1)

15

10

10

10.4.

(90 ± 5) °C [(+ 10) ± 5] °C
1.1

(),

IEC 60598-1 (12.4.2), 10 °C,

± 5 °C.

48 .

24 .

()

IEC 60061-3.

10.4,

5

(0.5 2

5

IEC 60061-1,

();

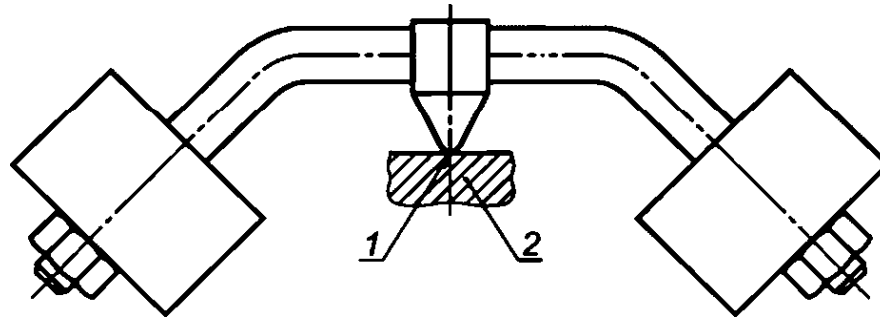
10.4.

0,045 + (-),

: = 0,01 = 2;
= 0,015 , > 2;

16

16.1



1 — $R = 2.5$; 2 —
1 —

5 20
(25 ± 5) °C

(. 5.2),

125 °C.

1 .

2,5

1

10

2

D

$$D = 2V_p(5-p),$$

16.2

16.3 16.4

16.3

» IEC 60695-2-11, ().

1

15

7

30 30

650 30

1

IEC 60695-2-11.

30

16.4

ISO 4046-4 (4.187),

(200 ± 5)

» IEC 60695-2-2

—10

30

16.5

ISO 4046-4 (4.187).

(200 ± 5)

8

1 60112

15 15

3

3

7.3).

60112 (

50

PT1175.

0,5

2

16.6 9 IEC 60112.

— $\{(+ 35) \pm 5\}''$ / $(115 \pm 5)^\circ$ / $(35 \pm 5)^\circ \text{C}$

IEC 60598-1.

15.

, 11

1 ± 15

168 ± 5 °C.

IEC 60061-3.

12,

50

17

17.1

() ,

24
pH = 10 () .

24

17.2

8-

$(20 \pm 5)^\circ \text{C}$.
 $(20 \pm 5)^\circ \text{C}$.

10 10 %-

10

10

20

$(100 \pm 5)^\circ \text{C}$,

()

(. 1.1),

	(. IEC 60061-2)
B22d-3	7005-10
BY22d	7005-17
Fa4	7005-...
Fc2	7005-114
G1.27, GX1.27	7005-...
GUX2.5d. GUY2.5d. GUZ2.5d	7005-137
G2.54.GX2.54	7005-...
G3.17	7005-...
G4	7005-72
GU4	7005-108
GZ4	7005-67
G5.3	7005-73
G5.3-4.8	7005-126
GU5.3	7005-109
GX5.3	7005-73
GY5.3	7005-73
G6.35, GX6.35, GY6.35	7005-59
GZ6.35	7005-59
GU7	7005-113
GZX7d-., GZY7d-., GZZ7d-.	7005-136
G8.5	7005-122
G9	7005-129
G9.5	7005-70
GX9.5	7005-70
GY9.5, GZ9.5	7005-70
GU10	7005-121
GZ10	7005-120
G12	7005-63
GY16	7005-...
G17q, GX17q, GY17q	7005-45
G22	7005-75
G38	7005-76
PG12&PGX12	7005-64
PG22-6.35	7005-...
P28s	7005-42
P30S-10.3	7005-44
P40	7005-43
R7s, RX7s	7005-53/53
SX4s	7005-...
SY4s	7005-...

()

13,

58 %

50 %

13 %

0,09 %

5

Ns 1

ISO 2081 ();

20

No 2 ISO 1456 ();

12

Ns 2

ISO 2093 ();

(99 %);

(90 %).

()

500—1000

20:1 10:1.

.1.

.1

10
20:1 10:1.

.2

1

107

(NH₄Cl)
30 %-

0,75

NaOH

22 °C.

.1.

)

pH = 10

pH.

.1

	, pH
22 ± 1	10,0 ± 0,1
25 ± 1	9,9 ± 0,1
27 ± 1	9,8 ± 0,1
30 ± 1	9,7 ± 0,1

pH

1

pH.

pH

± 1 *
± 0,02.

pH

pH

pH,

()

)

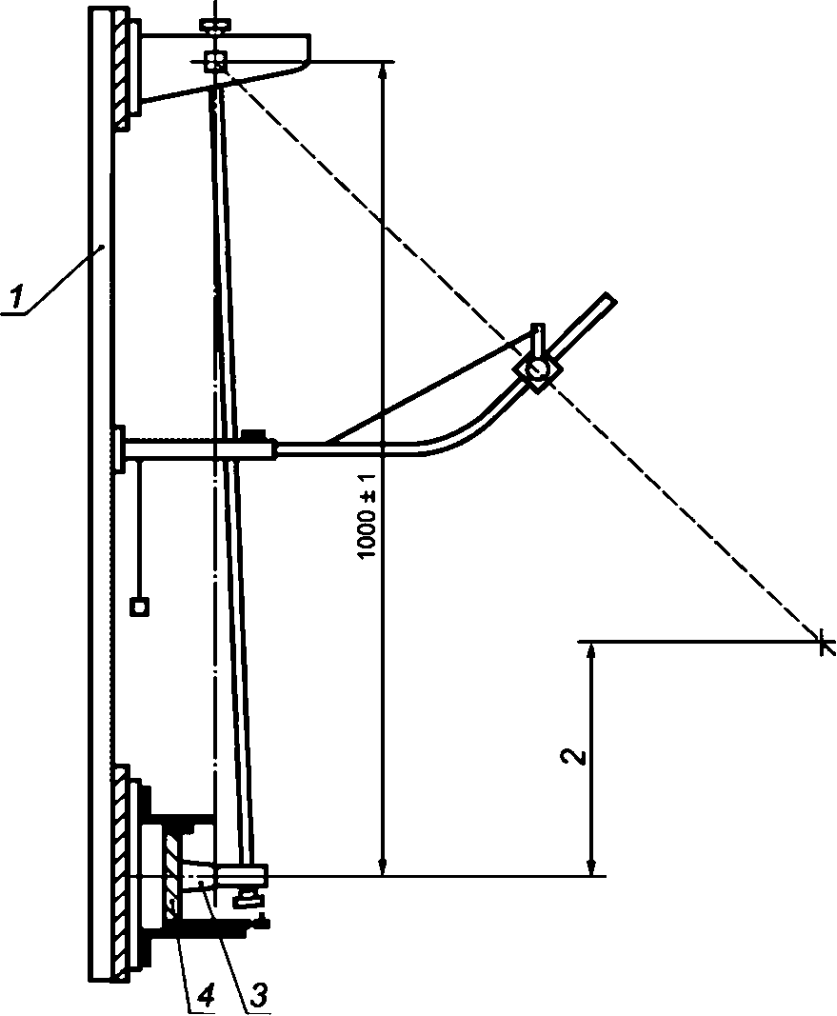
(

(30 ± 1)

(30 ± 1) °C.

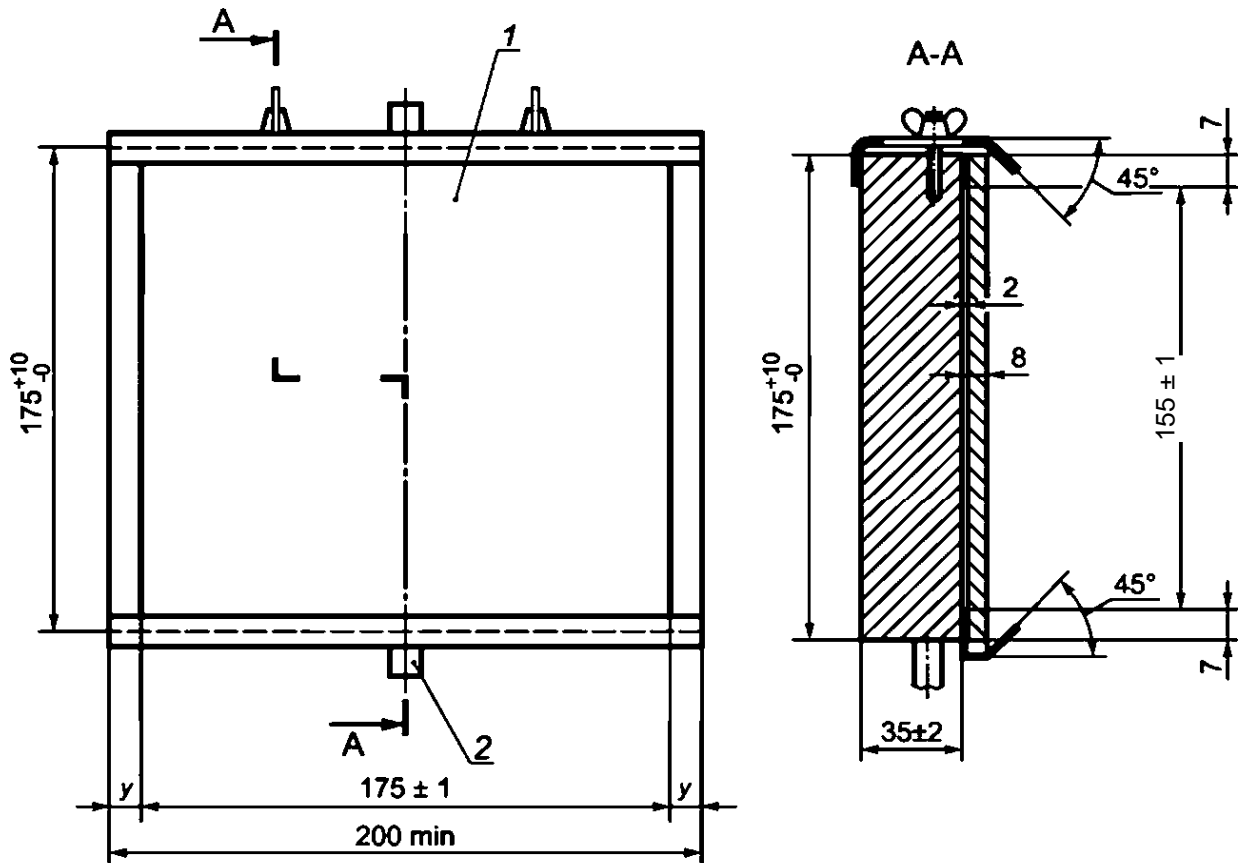
30 ,

(D)



IEC 60068-2-75

1 — ; 2 — ; 3 — ; 4 —
D.1 —



Размеры в миллиметрах

1 ; 2

D.2 —

()

.1

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IEC 60061-1:1969 1.	-	28108—89	
IEC 60061-2:1969 2.	-		
IEC 60061-3:1969 3.	-		
IEC 60061-4:1990 4.	- - -		
IEC 60068-2-20:2008 2-20.	-	28211—89	2. -
IEC 60068-2-75:1997 2-75. Eh:	-	52762—2007	- - -
IEC 60112:2003	- - -	27473—87	-
IEC 60227-1:2007 450/750 1.	- - -	60227-1—2002 450/750	-

(. 1)

	-			
IEC 60227-2:2003	-	IDT	60227-2—2002	-
450/750	-		450/750	-
2.	-			-
	-			-
IEC 60227-3:1997	-	IDT	60227-3—2002	-
450/750	-		450/750 8	-
3.	-		*	-
*	-			-
IEC 60227-4:1992	-		IEC 60227-4—2011	-
450/750	-		450/750	-
4.	-			-
	-			-
IEC 60227-5:2011	-	IDT	60227-5—2002	-
450/750	-		450/750	-
5.	-		() *	-
()	-			-
IEC 60227-6:2001	-	IDT	60227-6—2002	-
450/750	-		450/750	-
6.	-		*	-
	-			-
IEC 60227-7:2003	-	IDT	227-7—98	-
450/750	-		450/750	-
7.	-			-
*	-		*	-
	-			-
IEC 60238:2004	-	IDT	60238—2002	-
	-			-
IEC 60245-1:2008	-	IDT	60245-1—2006	-
450/750	-		450/750	-
1.	-		1. *	-
	-			-
IEC 60245-2:1994	-		60245-2—2002	-
450/750	-		450/750	-
2.	-		*	-
	-			-
IEC 60245-3:1994	-		60245-3—97	-
450/750	-		450/750	-
3.	-		*	-
*	-			-

(.1)

	-			
IEC 60245-4:2011	-		60245-4—2002	-
450/750	-		450/750	-
4.	-		*	-
*	-			-
IEC 60245-5:1994	-	IDT	245-5—97	-
450/750	-		450/750	-
5.	-		*	-
*	-			-
IEC 60245-6:1994/FMD. 1:1997	-		60245-6—97	-
450/750	-		450/750	-
6.	-		*	-
1 *	-			-
IEC 60245-7:1994	-	IDT	60245-7—97	-
450/750	-		450/750	-
7.	-		*	-
	-			-
IEC 60245-8:2012	-	IDT	60245-8—2002	-
450/750	-		450/750	-
8.	-		*	-
*	-			-
IEC 60352-1:1997	-	IDT	28380—89	-
1.	-		1.	-
	-			-
IEC 60399:2004	-			-
	-			-
IEC 60529:2001	-	IDT	14254—96	-
(IP)	-		(IP)	-
IEC 60598-1:2008	-		60598 1 2002	-
1.	-		1.	-
IEC 60664-1:2007	-		“	-
1.	-			-
IEC 60695-2-11:2000	-		27483—87	-
2-11.	-			-
/	-			-
	-			-

(.1)

IEC 60695-11-5:2004 11-5.	IDT	27484—87
ISO 1456:2009		
ISO 2081:2008		
ISO 2093:1986		
ISO 4046-4:2002 4.		
<p>* — :</p> <p>- IDT —</p>		

621.316:006.354

29.140.10

83

IDT

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3.

19.08.2013. 8 26 08.2013. 60x84%.
. . . 3.72. .- . . 3.35. 86 . . 1160.
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. 248021 , . . 256.