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INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION
(ISC)

IEC 61984-
2016

(IEC 61984:2008,)



2017

IEC 61984—2016

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 » 1.2—2015 «
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	BY GE KG RU TJ UZ	«

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 2017 . 411* IEC 61964—2016
 1 2018 .

5 IEC 61984:2008 «
 » («Connectors — Safety requirements and tests». IDT).
 IEC 61984 48 *
 « » (IEC).
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(www.gost.ru)

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(2001)

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- 1) 125
- 2) 5
- 3) 5 II.
- 4) 6.4 () ,
- 5) 2 3
- 6) EN 50262: ,
- 7) 6.19 IEC 60664.
- 8) 7 () 7.1.4 (2001)
- 9) 7.3.7. ,
- 10) 2 () 7.3.8 ()
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- 11) 10 (,), (
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Connectors. Safety requirements and tests

— 2018—07—01

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IEC 60664-1.			
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for IEC 60050-581, international Electrotechnical Vocabulary — Part 581: Electromechanical components for electronic equipment ()			
IEC 60050-826. International Electrotechnical Vocabulary — Part 826: Electrical installations (826.)			
IEC 60060-1. High-voltage test techniques — Part 1: General definitions and test requirements (1.)			
IEC 60068-1. Environmental testing — Part 1: General and guidance (1.)			
IEC 60068-2-70. Environmental testing — Part 2: Tests — Test Xb: Abrasion of markings and letterings caused by rubbing of fingers and hands (2.)			
IEC 60228:2004. Conductors of insulated cables ()			
IEC 60309-1:19994 Plugs, socket-outlets and couplers for industrial purposes — Part 1: General requirements (1.)			
IEC 60352-1. Solderless connections — Part 1. Wrapped connections — General requirements, test methods and practical guidance (1.)			
IEC 60309-1:2012.			

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IEC 60352-2. Solderless connections — Part 2: Crimped connections — General requirements, test methods and practical guidance () 2.

IEC 60352-3:1993, Solderless connections — Part 3: Solderless accessible insulation displacement connections; general requirements, test methods and practical guidance () 3.

IEC 60352-4:1994. Solderless connections — Part 4: Solderless accessible insulation displacement connections — General requirements, test methods and practical guidance () 4.

IEC 60352-5, Solderless connections — Part 5: Press-in connections — General requirements, test methods and practical guidance () 5.

IEC 60352-6, Solderless connections — Part 6: Insulation piercing connections — General requirements, test methods and practical guidance () 6.

IEC 60352-7. Solderless connections — Part 7: Spring clamp connections. General requirements, test methods and practical guidance () 7.

IEC 60364-4-41. Low-voltage electrical installations — Part 4-41: Protection for safety — Protection against electric shock () 4-41.

IEC 60417, Graphical symbols for use on equipment ()

IEC 60512 (). Connectors for electronic equipment ()

IEC 60512-1-100. Connectors for electronic equipment — Tests and measurements — Part 1-100: General — Applicable publications () 1-100.

IEC 60529:1989. Amendment 1 (1999)4 Degrees of protection provided by enclosures (IP code). Amendment 1 () (IP) 1)

IEC 60664-1:2007. Insulation coordination for equipment within low-voltage systems — Part 1: Principles, requirements and tests () 1.

IEC 60664-5:20074 Insulation coordination for equipment within low-voltage systems — Part 5: Comprehensive method for determining clearances and creepage distances equal to or less than 2 mm () 5.

2)

IEC 60760, Flat, quick-connect terminations ()

IEC 60998-2-3:2002. Connecting devices for low-voltage circuits for household and similar purposes — Part 2-3: Particular requirements for connecting devices as separate entities with insulation-piercing clamping units () 2-3.

IEC 60999-1:1999. Connecting devices. Electrical copper conductors. Safety requirements for screw-type and screwless-type clamping units — Part 1: General requirements and particular requirements for clamping units for conductors from 0.2 mm² up to 35 mm² (included) () 1.

0,2 35² ()

1 60529:2013. , , , , ,

2)

IEC 60999*2:2003. Connecting devices — Electrical copper conductors — Safety requirements for screw-type and screwless-type clamping units — Part 2: Particular requirements for damping units for conductors above 35 mm² up to 300 mm² (included) ()

2.

35 300 2())

IEC 61032. Protection of persons and equipment by enclosures — Probes for verification ()

IEC 61140. Protection against electric shock — Common aspects for installation and equipment ()

IEC 61210. Connecting devices — Flat quick-connect terminations for electrical copper conductors — Safety requirements ()

ISO 6988:1985. Metallic and other non organic coatings; Sulfur dioxide test with general condensation of moisture ()

EN 50262:1998. Amendment 1 (2001). Amendment 1 (2004), Cable glands for electrical installations ()

1. 2)

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3.1

(connector): ,

(IEC 60050-581.]

3.2

(free connector): ,

[IEC 60050-581]

3.3

(fixed connector): ,

[IEC 60050-581]

3.4

(rewirable connector): ,

3.5

(non-rewirable connector): ,

(IEC 60309-1.]

3.6

(enclosed connector): ,

3.7

(unenclosed connector): ,

3.8

(connector with breaking capacity): ,

IEC 61984—2016

- 1 — « * ,
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 2 —
- 3.9 (connector without breaking capacity):
- 3.10 II (connector for class II equipment):
- II no IEC 61140.
- 3.11 (intended use):
- 3.12 (interlock):
- [IEC 60309-1.]
- 3.13 (cycle of mechanical operation):
- 3.14 (clamping unit):
- [IEC 60999-1]
- 3.15 ; 8 (upper limiting temperature (ULT)):
- 1 —
- 2 — no IEC 60068-1.
- 3.16 ; (lower limiting temperature (LLT)):
- no IEC 60068-1.
- 3.17 (clearance):
- (IEC 60664-1:2007)
- 3.18 (creepage distance):
- [IEC 60664-1:2007]

3.19

(overvoltage category): ,

— I, II, III, IV.

[IEC 60664-1:2007]

3.20

(pollution): , ,

[IEC 60664-1:2007]

3.21

(pollution degree): ,

— 1. 2. 3. 4.

[IEC 60664-1:2007]

3.22

(rated voltage): ,

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[IEC 60664-1:2007.]

3.23

(rated insulation voltage): ,

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[IEC 60664-1:2007,]

3.24

(rated impulse voltage): ,

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[IEC 60664-1:2007,]

3.25

(impulse withstand voltage): ,

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[IEC 60664-1:2007,]

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3.26

) [r.m.s. withstand voltage (power-frequency withstand voltage)): (

(IEC 60664*1:2007.]

3.27

(rated current):

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IEC 60512.

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3.28

(breaking capacity):

3.29

(functional insulation):

[IEC 60664-1:2007]

3.30

(basic insulation):

[IEC 60664-1:2007]

3.31

(internal insulation):

3.32

(supplementary insulation):

[IEC 60664-1:2007]

3.33

(double insulation):

(IEC 60664-1:2007)

3.34

(reinforced insulation):

[IEC 60664-1:2007]

3.35

(() (protective conductor (symbol))):

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3.36

(protective earthing contact):

[IEC 60050-195.

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3.37

(degree of protection):

(IEC 60529:1989)

3.38

IP (IP Code):

(IEC 60529:1989)

3.39

(cable clamp):

(IEC 60050-581]

3.40

(cable gland):

3.41

(specimen):

3.42

(detail specification):

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5.2.5.3 5.4.

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a)

(. 3.6):

b)

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IEC 61984—2016

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 b) (.3.3);
 c) (.3.2).

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- a) ;
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 c) (.3.9):

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 1) (IP0X);
 2) (IP1X IP*)
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 3) (IP2X IPXXB)
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 d) (IP2X IPXXB) (.3.8)
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 i) ;
 j) ;

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6.1

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- a) , ;
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- c) ();
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IEC 60529:1989 (5)

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(IEC 60364-4-41)

IEC 61984—2016

6.4.2

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5IEC 60529:1989

6.4.2.2 6.4.2.3.

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)		IEC 60352-2
)		IEC 60352-3 IEC 60998-2-3
d)		IEC 60352-4 IEC 60998-2-3
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0		IEC 60352-6 IEC 60998-2-3
9)		IEC 60999-1 IEC 60999-2 IEC 60352-7
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)	-	IEC 60352-1
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IEC 60998-2-3 (3) IEC 60352-6 -

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IEC 61984—2016

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6.18.1

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IEC 60664-1 / IEC 60664-5.

IEC 60664-1:2007 / IEC 60664-5:2007.

6.19.1.2

IEC 60664-1:2007 (.2).

6.19.1.3

IEC 60664-1.

IEC 61984—2016

6.19.2

6.19.2.1

IEC 60664*5:2007;
IEC 60664*5:2007.no IEC 60664*1 /
IEC 60664*1 /

IEC 60664*1:2007 (. F.3a F.3b).

IEC 60664-1:2007 (S.2.2.6) / IEC 60664*5:2007.

IP54

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24 IEC 60512-1.

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IEC 61984—2016

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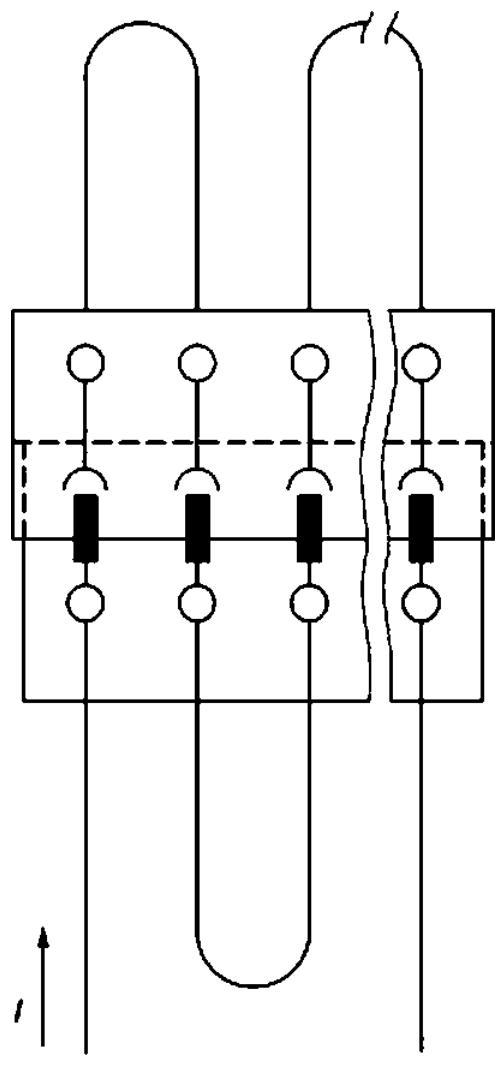
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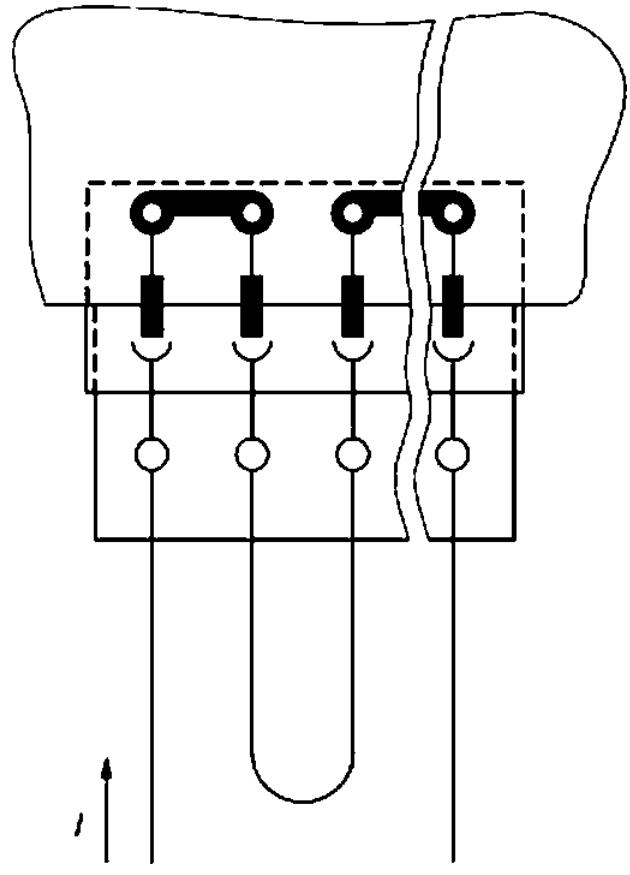
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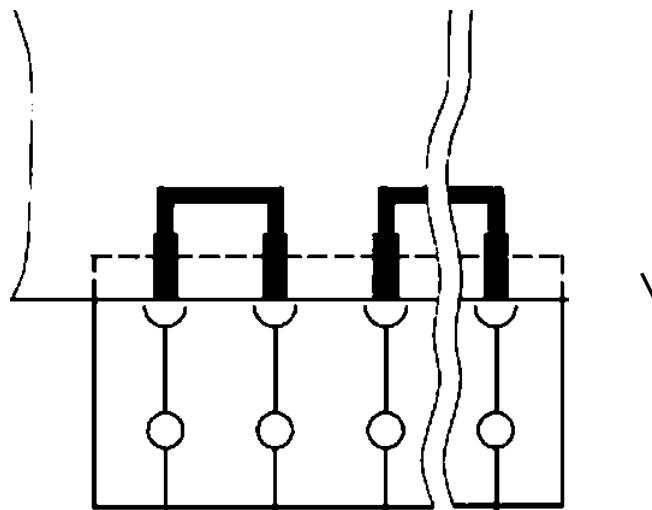
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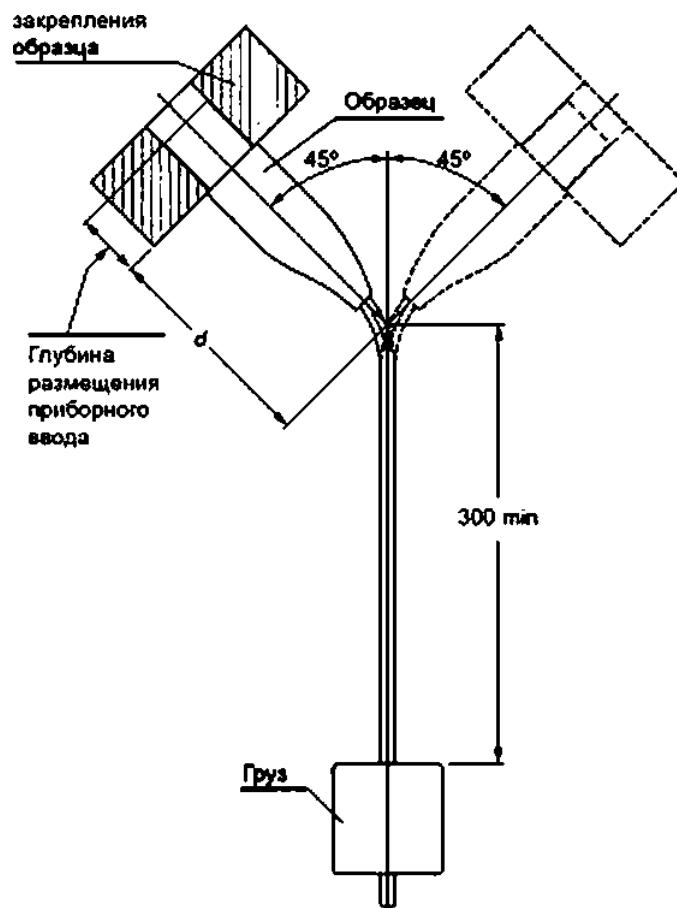
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8 IEC 60512 (4).

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4.0	4.0	4.80	2.21
6.0	6.0	7.30	3.31
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—) IEC 60664-1.

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IEC 61984—2016

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