

( )  
INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION  
(ISC)

I 60255-12—  
2014

12

(IEC 60255-12:1980, )

2015

1.0-92 «  
1.2-2009 «

1 « » ( « « » )  
2 )  
3 , ( -  
25 2014 . N9 45-2014)

( 3166) 004-97	( 3166) 004-97	»
	AM BY KG MD RU TJ UZ	Л В - Н К

4 2014 . 1318-

14  
IEC 60255-12-2014  
1 2016 .

5 IEC 60255-12:1980. 1.0  
Electrical relays — Part 12: Directional relays and power relays with two input energizing Quantities ( 12. ).

IEC/TC 95 «  
».  
( ).  
—  
(IDT).

6 13567-78

«                »,  
«                ».  
«                ».

© . 2015

1 — ..... 1  
1 ..... 1  
2 ..... 1  
2 — .....  
3 .....  
4 .....  
5 .....  
6 .....  
7 .....  
8 .....  
9 .....  
10 .....  
11 .....  
12 .....  
13 .....  
3 — .....  
14 .....  
15 .....  
16 .....  
( ) ..... 15

IEC 60255-12:  
 IEC 60050-131 International Electrotechnical Vocabulary — Chapter 131: Electric and magnetic circuits ( ) 131.

)

IEC 60255-0-20 Electrical relays — Part 0-20: Contact performance of electrical relays ( )

IEC 60255-4 Electrical relays — Part 4: Single input energizing quantity measuring relays with dependent specified time ( ) 4.

IEC 60255-5:2000 Electrical relays — Part 5: Insulation coordination for measuring relays and protection equipment — Requirements and tests ( ) 5.

IEC 60255-6<sup>11</sup> Electrical relays — Part 6: Measuring relays with more than one input energizing quantity ( ) 6.

95

2006

IEC 60255.

- IEC 60255-;
- — IEC 60255-100:
- — IEC 60255-200.
- IEC 60255
- « 6 1. ». ( 3. 8. 12. 13 16)
- IEC 60255-132
- IEC 60255-132 « / ( ) ».

**Electrical relays. Part 12. Directional relays and power relays with two input energizing quantities**

— 2016—01—01

1 —

1

IEC 60255-6,

( );

IEC 60255,

( ),

».

2

IEC 60050-131 IEC 60255-6.

2.1

(

) [directional (phase angle measuring) relay]:

2.2

(power relay):

2.3 (characteristic angle of power and directional relays):

2.4 (connection angle of power and directional relays):

2.5 (directional sensitivity):

2 —

3

3.1

IEC 60255-6.

3.1.1

3.2

3.2.1

( . 2.3 2.4).

3.2.2

3.3

3.3.1

3.3.2

( . 5).

3.3.3

( . 5).

3.5.2 IEC 60255-4.

3.4

3.5

3.5.1

IEC 60255-6 ( 1).

1

1—

		,	
		( . 2)	5 %
		,	
		( . 2)	5 %

1

2

3.5.2

2 IEC 60255-6.

2

2 —

		1 0 1 vWV 1 R1» 1 DPrl v
	( )	0 % 12 %
*		IEC 60050-131.

3.6

3.7

4

4.1

4.1.1

**4.1.2**

**4.1.3**

**4.1.4**

**4.1.5**

**4.2**

**IEC 60255-1.**

**4.2.1**

**1-4**

**4.2.2**

**5-9**

**5**

**3.**

**5.1**

**1-4.**

**( 1 3).**

**5.2**

**5-8.**

**5.3**

**9.**

**6**

**IEC 60255-6.**

7

**IEC 60255-6.**

8

( 60255-6

9

**IEC 60255-0-20.**

10

**IEC 60255-6.**

11

**IEC 60255-5.**

12

**IEC 60255-6.**

13

,  
**IEC 60255-6.**

3 —

14

14.1

14.1.1

),

14.1.2

,

14.1.3

( . .

)

14.2

10

,

14.2.1

14.2.2

( . 5).

7. 8 9.

15

IEC 60255-6.

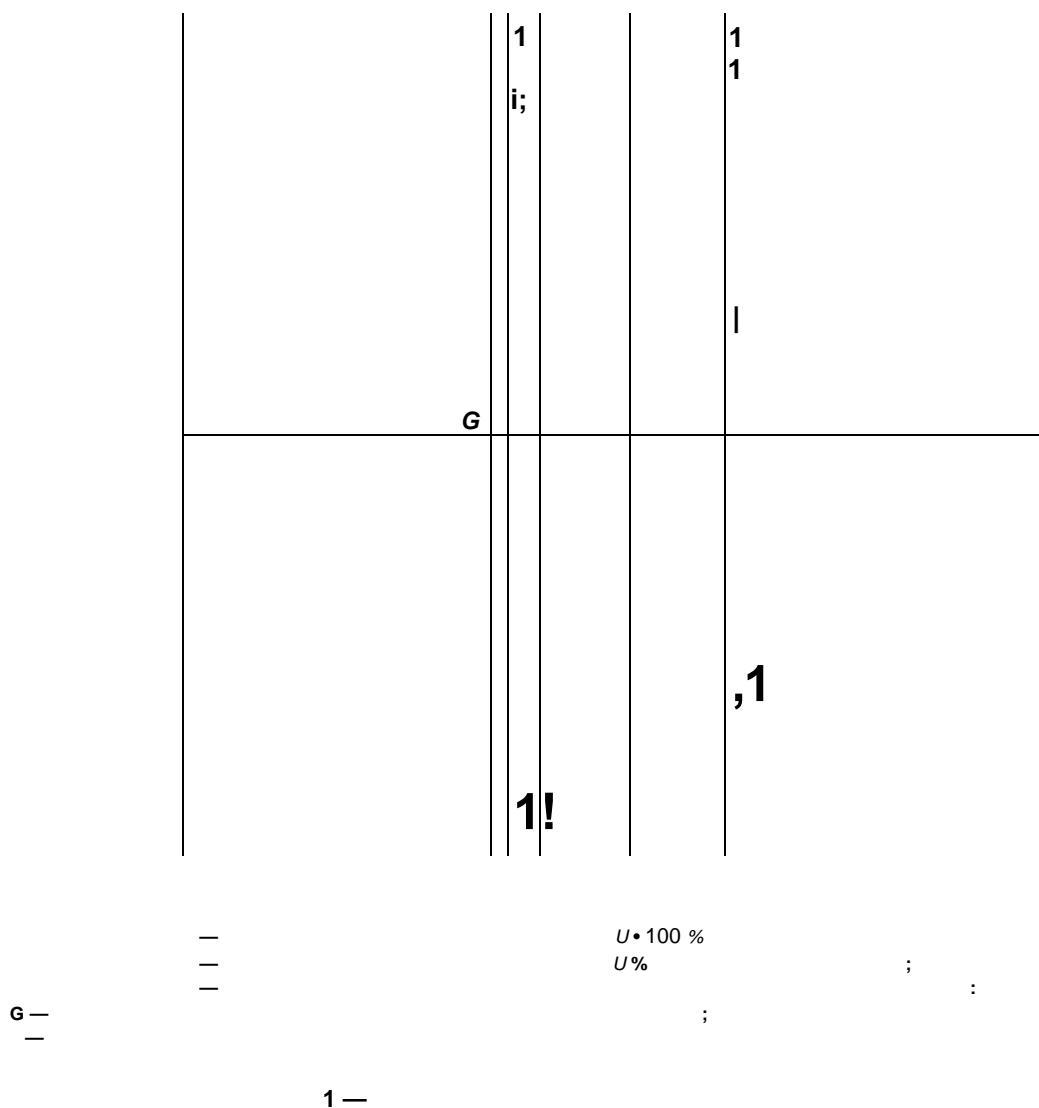
16

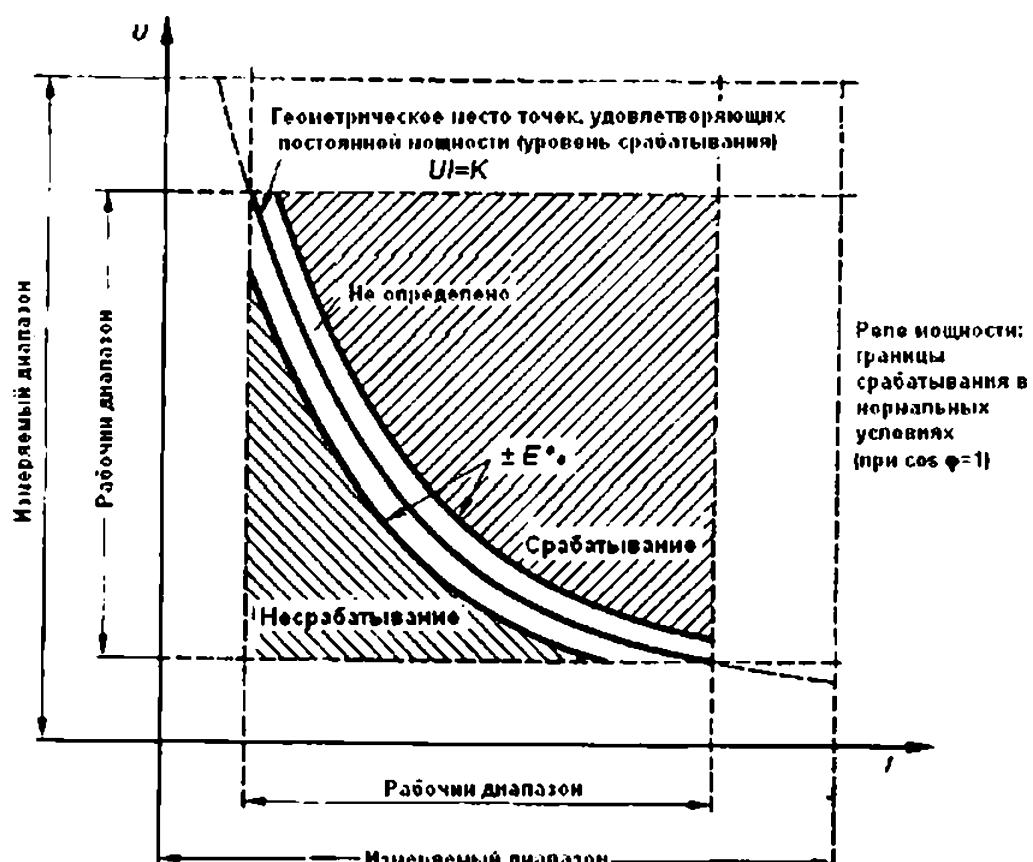
IEC 60255-6 [ )- )

14.1.1]

0

0



:  $U \cdot I = ($ 

1 ± %

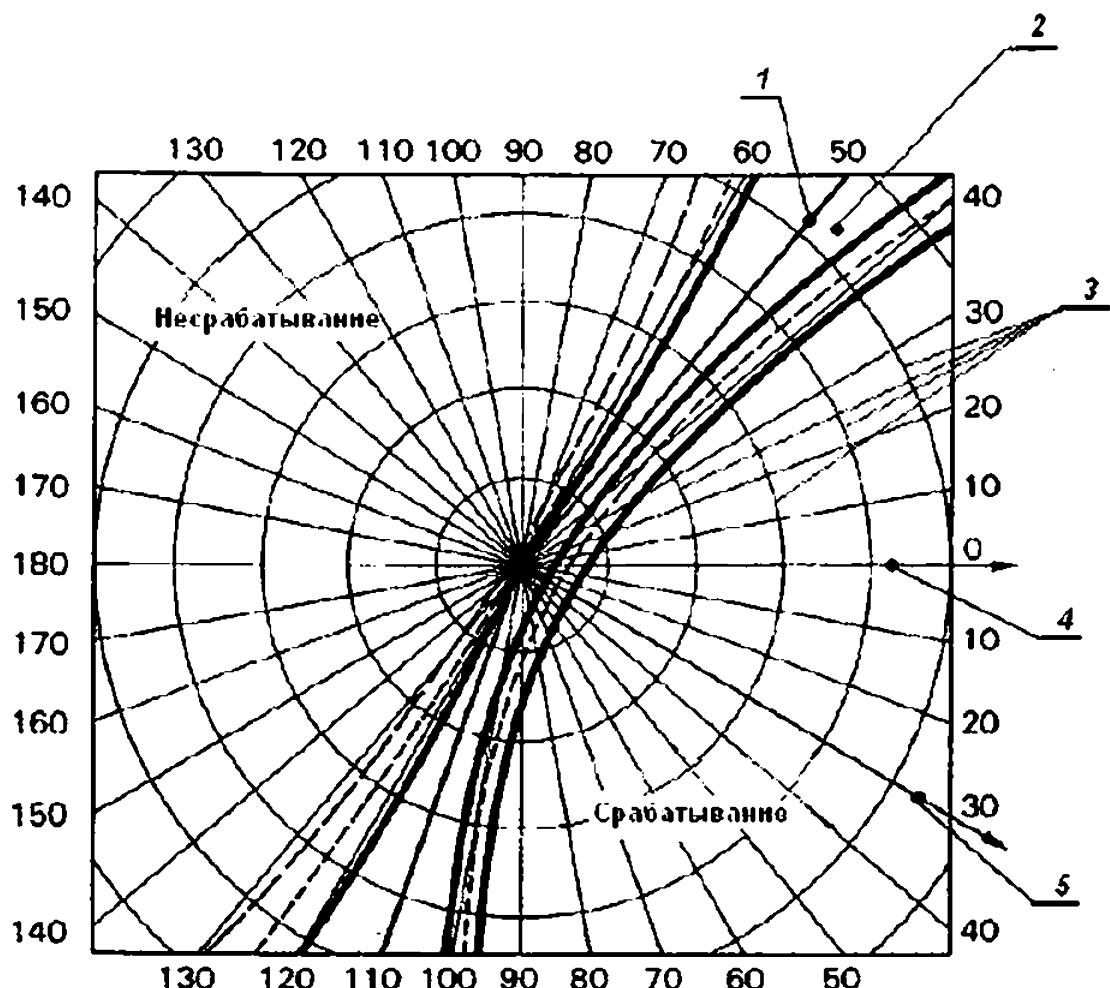
 $U \cdot I,$ »  
 $I = -0.05 - 10J, D = 0.011I^2 - 1.25I, *$ 

85'

85'

/ ()

2 —

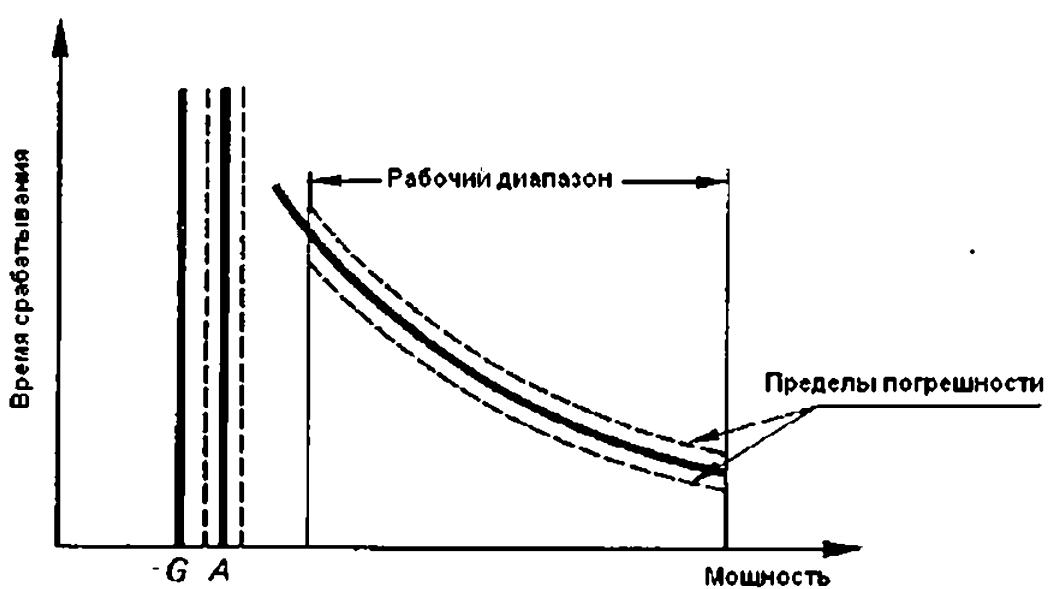


— ; 2— , / : 0—  
 : 4—  
 : 5—  
 100 % :  
 % :  
 — \*2 % :  
 3— ( )  
 100 > > 2

&lt;02 |

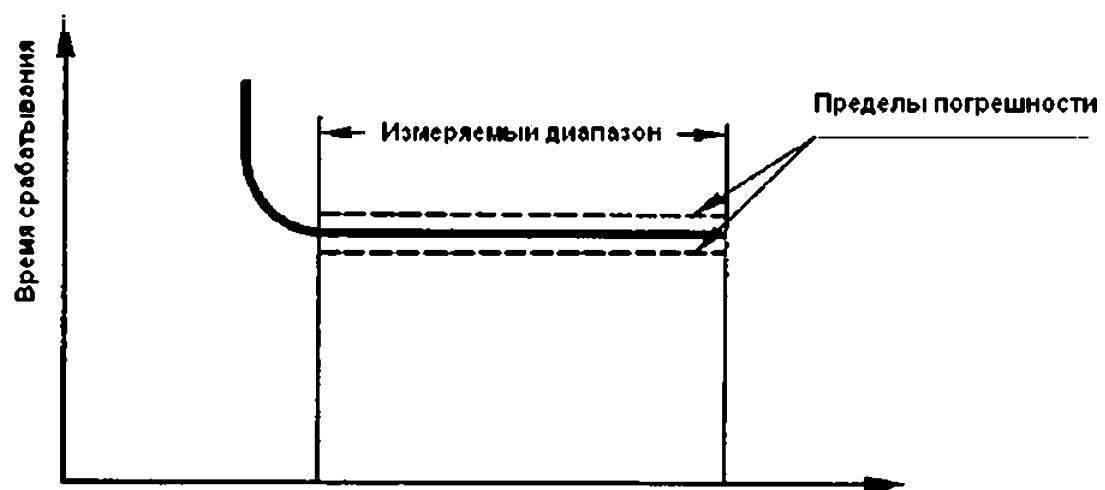
9&lt;9/. 9 "

4 —

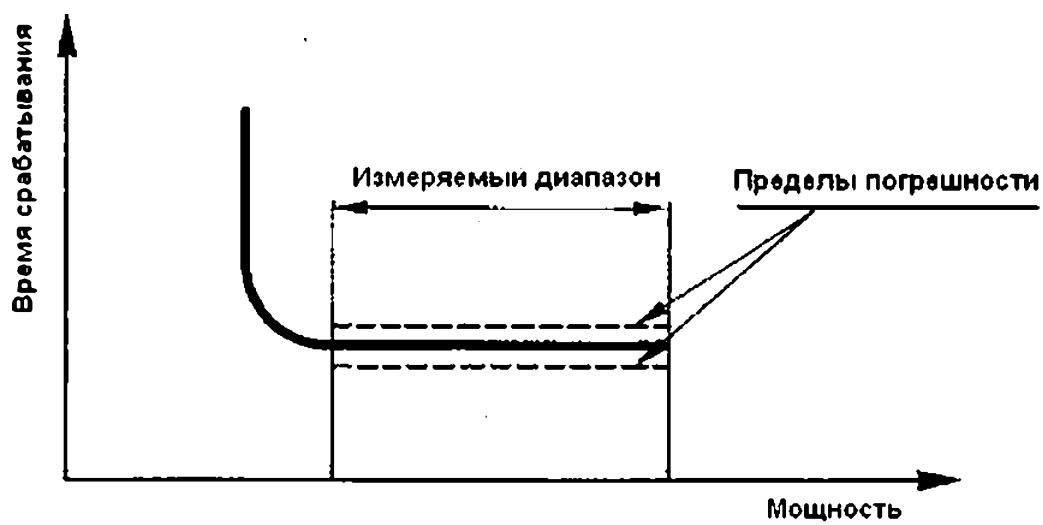


G -

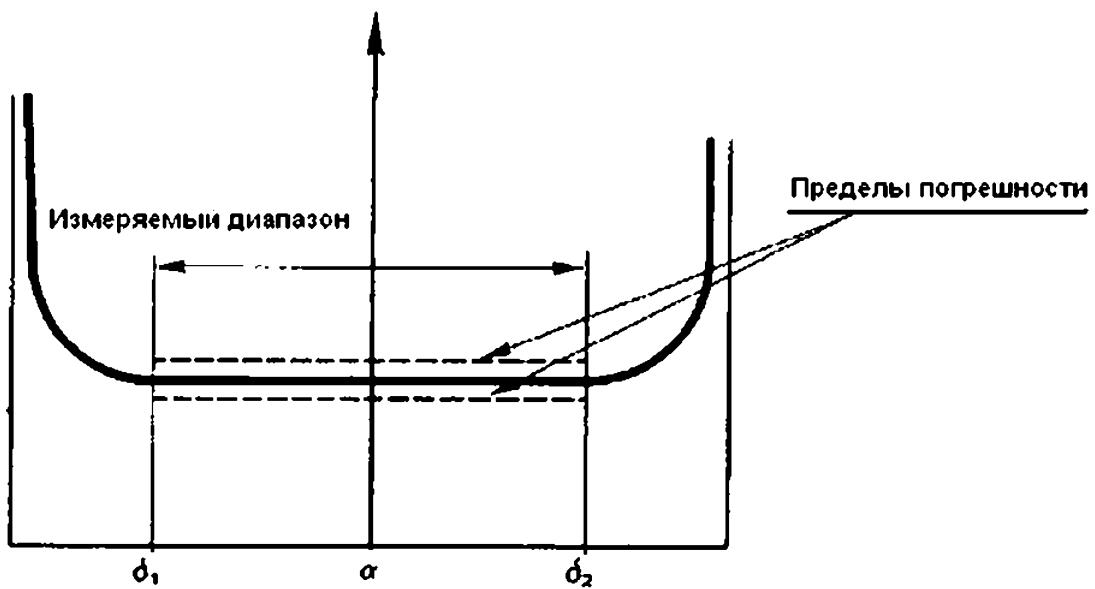
5 —



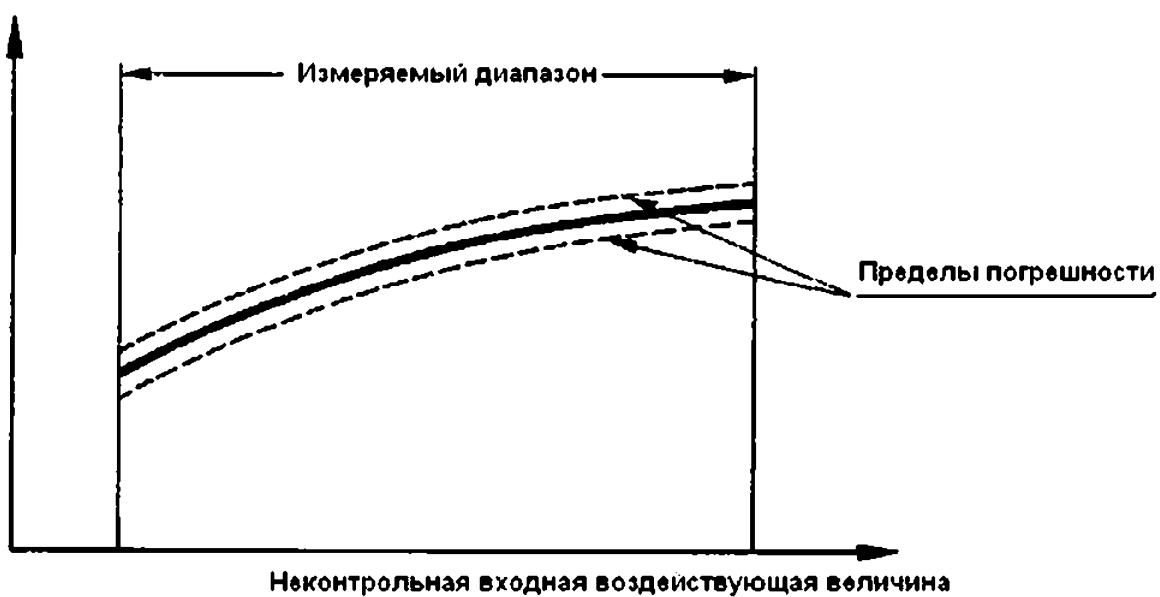
6 —



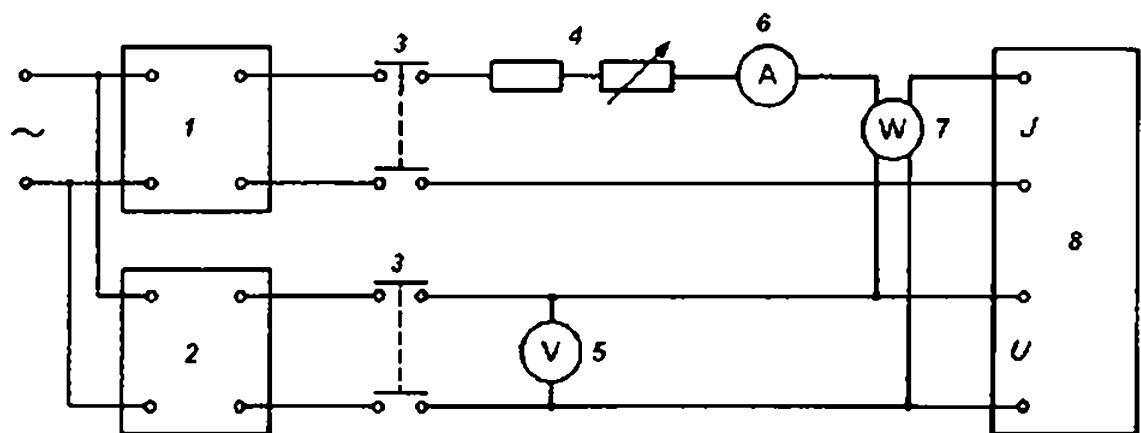
7 —



8 —



9 —



1—  
4—  
; 2—  
; 5—  
; —  
; 7—  
; 3—  
;

10—

( )

.1

( )		
IEC 60050*131 131.	—	
IEC 60255*0*20	—	
IEC 60255-4 4. — —		
IEC 602655:2000 5. — —		IEC 60255*5-2014 5. — **
IEC 60255-6:1988 6. —	—	
*		
“		
• —		

621.316.925.44:006.354

29.120.70

71

, ; , ,

03.03.2015. 60x84' .  
.. 2,79. 31 .. 1022

».  
123995 .. 4.