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INTERSTATE COUNCIL FOR STANDARDIZATION. METROLOGY AND CERTIFICATION
(ISC)

|
60523
2014

(IEC 60523:1975,)



2016

(60523-2014

1.0-92 «

1.2-2009 «

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(30 2014 . N° 70-)

(3166) 004-97	(3166) 004-97	
	AM BY KZ KG MD RU	

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2014 . No 1727-

24

IEC 60523-2014

1 2015 .

5
potentiometers ().

IEC 60523:1975 Direct-current

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- - ;
- - ;
- - .

1 13 «

13 «

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6 8

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©

. 2015

Direct-current potentiometers**- 2015 - 10 - 01****1**

0.0005 ... 0.1 (5 ... 1 000 ())-

2

8
 2.1 () ") (D.C. potentiometer
 (hereinafter designated "potentiometer")):

2.2 + (Measuring dials):

2.3 , (Effective range):

2.4 , (Range-changing device):
 (, 0.1),

2.5 , (Standardization of a potentiometer):

2.6 , (Dial setting):

2.7 , (Auxiliary equipment): / ,

2.8 , (Resolution): ,

2.9 insulation
 voltage (nominal circuit voltage): () ,
 () () () () () ()

2.10 , (Ripple content):

X 100

2.11 () , (Leakage current screen (circuit)): ,

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- 2.12 (Electrostatic screen):
- 2.13 (Measuring terminals):
- 2.14 (Measuring circuit):
- 2.15 (Measured quantity circuit selector switch):
- 2.16 (Residual e.m.f. of a potentiometer):
- 2.17 (Incremental linearity):
- a)
- b)
- 2.18 (Influence quantity):
- 2.19 (Common mode voltage):
-)
- ().
- 2.20 (Variation with influence quantity):
- 2.21 (Reference conditions):
- 2.22 (Reference 1):
- 2.23 (Reference range):
- 2.24 (Nominal range of use):
- 2.25 (Limiting values of an influence quantity):
- 2.26 (Fiducial value):
- 10
1.0 0.1 0.01, 1.0 , 0.1 0.01
2.27 (Error):
- 2.28 (Intrinsic error):
- 2.29 (Accuracy):

2.30 (Accuracy class): ,

2.31 (Class index): ,

3

2.30
 a) 0.0005. 0.001. 0.002, 0.005. 0.01. 0.02. 0.05. 0.1:
 b) 5 . 10 . 20 . 50 . 100 . 200 . 500 . 1 000 . =

() ,

4

4.1

$$E_{\text{lim}} = \pm \frac{c}{100} \left(\frac{U_n}{10} + X \right)$$

(- , , , ,
 X- , , ,
 ()).

$$E_{\text{lim}} = \pm \frac{c}{1000000} \left(\frac{U_n}{10} + X \right)$$

4.2

4.2.1 ,

4.2.2

4.3

0.5 /100
 0.5 1 /1 000 000
 4.4

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4.5

5

5.1

5.2

1.

5.3

1 -

	,			14
		%		
	20 * "		5.. .10 20.. .100 200.. 1 000	±0.5 ±1 ±2°
	40% 60%			
31	0.1%			
		0,0005...0.1	5... 1 000	±0.1
	20 « "		5.. .10 20.. .100 200.. 1 000	±0.5 * ±1 ° ±2
"		5		
4*				

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160.

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6.1

1.

6.2.

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6.3.

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2-

	%		unless otherwise indicated by the	
	0.0005... 0.001 0,002 ...0.01 0,02 ...0,1	5.. .10 20.. .100 200... 1 000	± 2°C ± 5 °C ± 10 °C	20 50 100
	0.0005...0,1	5... 1000	25% 75%	30
	0.0005...0.1	5... 1 000	±10B**	50
"	,	,	10	,

62

62.1

6.2.2

622.1

62.22

6.3

7

7.1

IEC 414,

72

10 %

500 8

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3.
1 2

5

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3 -

%		
0.0005... 0.001	5...10	
0.002 .. 0.01	○ □	1
0.02 ...0,1	200... 1000	100

7.3

7.4

7.5

S0

1.

2.

8

8.1

8.1.1

- a)
- b) Type reference given by the manufacturer or responsible supplier.
- c)
- d)
- e) ()
- f)
- g) 1 2.
- h)
- i)
- j)
- k) ()
- l) (f)).
- 8.1.2
- m)
- n)
- o)

- 8.2.1
- ,),),).
-)

IV.

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g)
1)D-I
C-J -3.

F-33.

8.2.2

),

8

:

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•

•

8.2.3

,

8.3

8.3.1

- a). b). c), h), i), j):

• d), f).

8.3.2

:).).).

8.4

source.

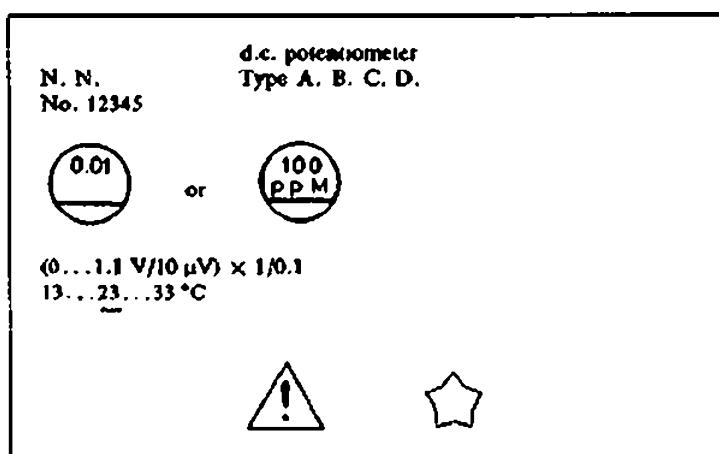
F-31):

: 4). 0.).

8.1.2.

8.2.3.)

1.



1 -

8

1)

2)

3) —

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4)

(

5)

6)

: 0.01 100 , A.6.C.D..

: 12345.

N.N.

1:

(0...1.1) X 1. 10 :

0.1:

(0...1.1) X 0.1. 1 .

: 23 .

: 13 33 * .

1 2.)

test voltage is SCO V.

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.	1		
-2	,		
-3			
-4			
-5	kV		
-6	V		
-7	mV		
-8	uv		
-16	kHz		
-17	Hz		
-18	MO		
-19	kfi		
-20	n		
-21	mfi		
-24	eC		
-25	Gfi		
-1	500		
-2	(.2) 500		
-3	,		
D			
D-1	,	L	
D-2	,	1-----1	
D-3	,	A	
	60*)		
D-4	,	04 * ... 100* 100...>...100-	
D-5	,	0-2 -1 ... 1	1-----1 -1...0...+1*
D-6	.	D-3 / rfnac™, «...«0...7S- 45 ... 75 —	/
E			
E-7	0.01)	(..	C
E-8	100	(..	/?00\ } 1
F			
F-27			
F-31	!		1
F-33			
F-41			

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a)
b)

10

2.

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10

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2.

621.317:006.354

17.220.20

19.01.2015. 60x84!».

1.40. 32 * 120.

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123995 .. 4.
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