

62035-2021

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(IEC 62035:2016, IDT)

62035—2021

- 1 . . . » (« « - ») 4
- 2 332 « , - »
- 3 22 2021 . 1269-
- 4 (« 62035:2016 « » (IEC 62035:2016 «Discharge lamps (excluding fluorescent lamps) — Safety specifications». IDT). » - ,
- 5
- 29 2015 . 162- « 26 » - (« 1 »), « », « » - « » - « » - (www.rst.gov.ru)

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« ». 2021

©

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3	2
4	4
4.1	4
4.2	4
4.3	5
4.4	6
4.5	7
4.6	8
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5.1	9
5.2	9
6	10
7	10
7.1	10
7.2	10
7.3	10
()	13
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D ()	17
()	18
F ()	20
G ()	22
()	23
I ()	25
J ()	28
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Discharge lamps (excluding luminescent lamps).
Safety requirements

— 2023—08—01

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61167 61549. 60188. 60192. 60662.

() 61347-2-9 60923 90 % 110 % () 61347-2-1 60927
60598-1.

2

[-

()];

IEC 60050. International Electrotechnical Vocabulary [available at <<http://www.electropedia.org>>] (-
: <http://www.electropedia.org>)]

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

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

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- IEC 60061-3, Lamp caps and holders together with gauges for the control of interchangeability and safety — Part 3: Gauges () , *
- IEC 60061*4, Lamp caps and holders together with gauges for the control of interchangeability and safety — Part 4: Guidelines and general information () , -
- IEC 60155, Glow starters for fluorescent lamps () ,
- IEC 60598-1:2014. Luminaires — Part 1: General requirements and tests () . 1. -
- IEC 60662. High-pressure sodium vapour lamps ()
- IEC 60695-2*10:2000. Fire hazard testing — Part 2-10: Glowing/hot-wire based test methods — Glow-wire apparatus and common test procedure () . 2-10. -
- IEC 60923. Auxiliaries for lamps — Ballasts for discharge lamps (excluding tubular fluorescent lamps) — Performance requirements () . -
- IEC 61347-2-1, Lamp controlgear — Part 2-1: Particular requirements for starting devices (other than glow starters) [() 2*1.]
- IEC 61167. Metal halide lamps — Performance specification () . -
- IEC TR 62778. Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires (62471) -
- ISO 4046-4:2002, Paper, board, pulps and related terms — Vocabulary — Part 4: Paper and board grades and converted products () , , 4. -

3

60050-845, IEC TR 62778, -

3.1 (-) (high intensity discharge lamp (HID lamp)):
3 / 2.

(60050-845:1987, 845.07.19] (high pressure mercury vapour lamp):
100 . -
() (-

(60050-845:1987. 845.07.20] (blended lamp): , -

[	60050-845:1987,	845.07.21.	-
«	»]		
3.4		(high pressure sodium vapour lamp):	-
		10	-
[	60050-845:1987.	845.07.23]	
3.5		(low pressure sodium vapour lamp):	-
		0.1 1.5	-
(	60050-845:1987,	845.07.24]	
3.6		(metal halide lamp):	-
[	60050-845:1987,	845.07.25,	
«	» «	»]	
3.7		(nominal power):	-
3.8		(ultraviolet hazard efficacy	
of luminous radiation):			
1		(-)	
2		()	
		S^X).	-
	62471.		-
3.9		(type test):	-
(	60081:1997,	1.4.10]	
3.10		(type test sample):	-
(	60081:1997,	1.4.11]	
3.11		(group):	-
		(3.2), (3.3),	
	(3.4),	(3.5), (3.6).	
3.12		(type):	-
3.13		(family):	-
/			
3.14		(design test):	-
3.15		(periodic test):	-
3.16		(running test):	-
()	
3.17		(batch):	-

62035—2021

3.18 (whole production): 12

3.19 (self-shielded metal halide lamp):

4

4.1

4.2

4.2.1

- * , / (), / ; - , -

:)) 15 . () ; ,

4.2.2 * * * -

) * [. .2 ());) , [. . ()], [. F.5 (F)]. 6 / -) 6 ((2) ; [(. .6 ()]. () 2. 1

[. F.5 (F)]; d) : [(. .4 ()].

4.3

4.3.1

4.3.1.1

60061*1.

4.3.1.2

60061-4.

7007-6.

60596-1:2014 (11).

7.

7' —

	60S98-t:2014 (13.1).	60598-1:2014 (11.2).
GX8.5	305	5
GX10		
GU8.5		
PGZ12		
PGZX18		5.9

PGZ12 GX8.5

6.5

— 60061-4 (7007-6).

4.3.1.3

4.3.2

4.3.2.1

4.3.2.2

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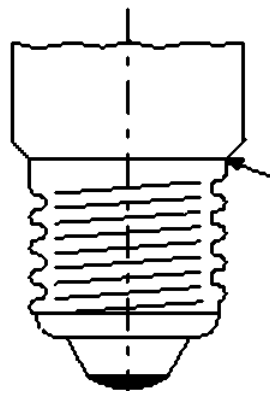
62035—2021

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4.5.2.1

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4.5.3.1

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60695-2-10.

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4.6.1

4.6.1.1

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(3)	>60
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4.6.1.3		61167.	
		61167,	
4.6.2			
4.6.2.1			
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		IEC TR 62778.	
		.2 IEC/TR 62778.	
4.6.2.2			
8	4.2		
	1	.6	: «
	2		»,
	()	
4.6.3			
5			
5.1			
		60662).	
5.2			
5.2.1			
5.2.2			
8	4.2		

7.3.3

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7.3.4

(500 .) 5' G

7.3.5

(500 .) 6'

500 .) 5* — (, 41

		rye	
4.2.1		125	8
4.2.1		32	3
4.2.2		125	8
4.3.2.2.)	/ () . -		2
4.3.2.3.)	/ () . -	80	2
4.3.1.1		32	3
4.3.1.2			G.3
4.3.1.3			2
4.4.1		315	1
4.4.2			G.1
4.4.3			G.1
5.1			G.3
4.6.1.2	-	125	8
4.6.1.3	-		G.3
4.6.2.1)
4.6.2.2		125	8
5.2.2	()	125	8
4.3.2.2.)	/ () — -		G.2
4.3.2.3)	/ () — -		G.2
4.5.2.1			G.3
4.5.2.2			G.3
4.5.3.1			G.3
5.2.3)
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6* — (, 500 .)

4.2.1		20	3
4.2.1		2	1
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4.3.2.2.	/ ()— -	8	1
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4.3.2.3.	/ ()— -	8	1
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4.3.1.1		2	1
4.3.1.2		2	1
4.3.1.3		8	1
4.4.1	(, 125)	100%	1
	(, 125 500)	125	1
4.4.2		20	1
4.4.3		20	1
5.1		2	1
4.6.1.2	-))
4.6.1.3	-	2	1
4.6.2.1))
4.6.2.2))
5.2.2	()	20	3
4.3.2.2.	/ ()— -	8	1
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4.3.2.3,	/ ()— -	8	1
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4.5.2.2		2	1
4.5.3.1		2	1
5.2.3))
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60061.

60061

	⊕061 «1	60061-3
B22d	7004-10	7006-4 . 4 . 10.11
B22d-3	7004-10	7006-19
BY22d	7004-17	7006-4 . 17
26	7004-21	7006-27D. 27 . 29L
26/50«39		7006-27D. 27 . 29L
E27	7004-21	7006-27 . 27 . 28 , 50. 51
E27/51«39	7004-27	7006-27 . 27 . 28 . 50. 51
E39	7004-24	7006-24 . 24 , 24
E40	7004-24	7006-27. 28D. 52. 53
Fc2	7004-114	7006-114
G12	7004-63	7006-80
PG12	7004-64	7006-81
RX7s	7004-92	
1	26	;
2	26/24	26/25 —

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()

.1 .2

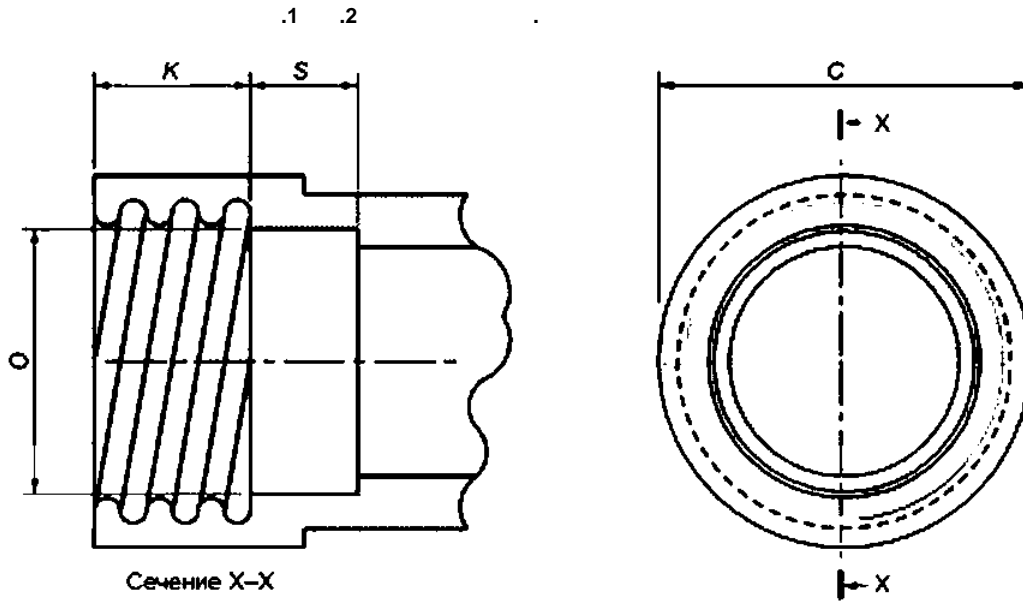
.1 —

		2000	
			*
G12	120"	280)	90"
PG12	160"	210"	120"
81			

.2 —

		2000	
			*
B22d 226-3	3.0	210	
BY22d	3.0	150	
26 £26/50x39	3.0	165""	2.5
27 £27/51x39	3.0	210	2.5
£39	5.0	23Qa).)	
£40	5.0	250"	
" , . " , " , " ,			
		150	ANSI. 210 * .

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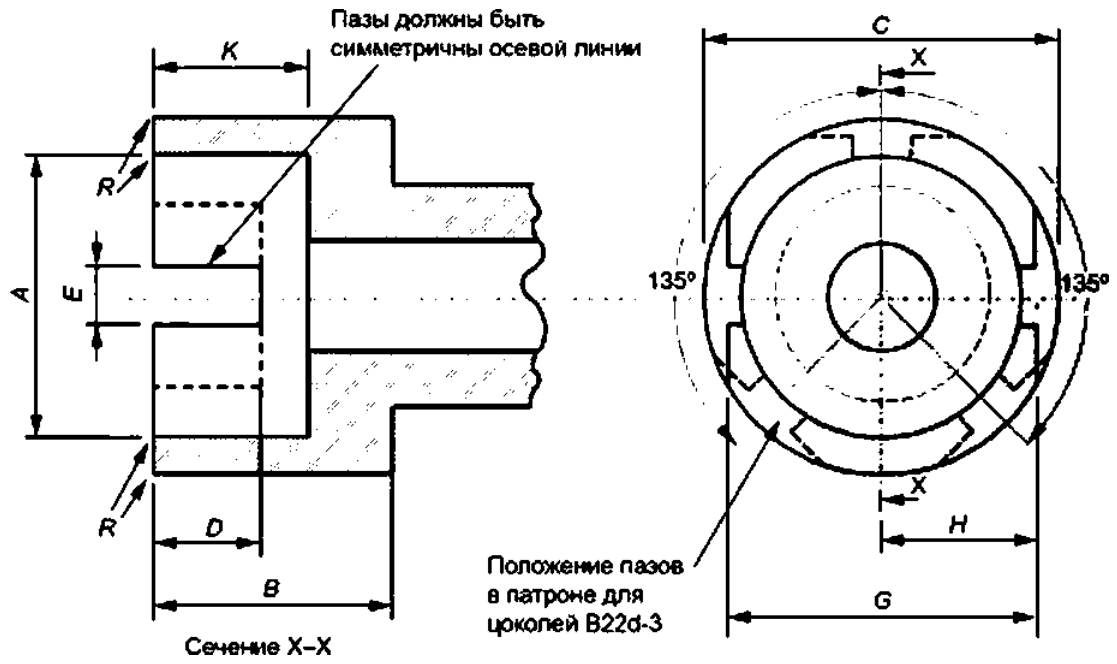


Резьба патрона — в соответствии с МЭК 60061-2

	26,	27.	39.	£40.	
	32.0	32,0	47.0	47.0	
	11.0	13.5	19.0	19.0	+0/-0.3
	23.0	23.0	34.0	34.0	±0.1
S	12.0	12.0	13.0	13,0	

.1 —

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	B22d	BY22d.	
		22,27	+0,03
		19.0	
		28.0	
<i>D</i>		9.5	
		3.0	+0,17
<i>G</i>		24.6	±0.3
		12.15	
		12.7	±0.3
<i>R</i>		1.5	

.2—

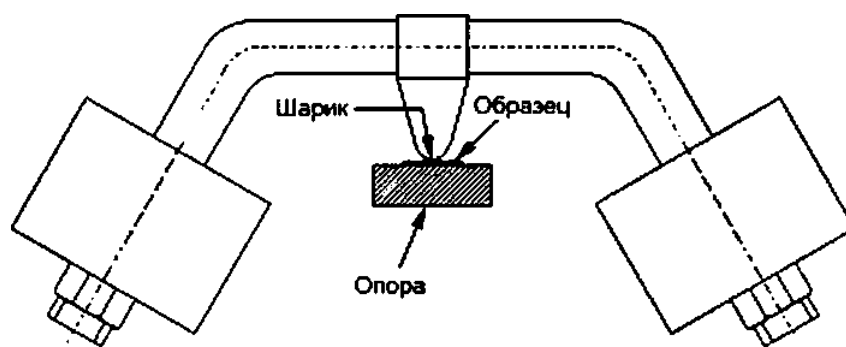
(D)

D. 1

D.1 —

BY22d	150)
G12	280»>
PG12	210»»

D.1



D. 1 —

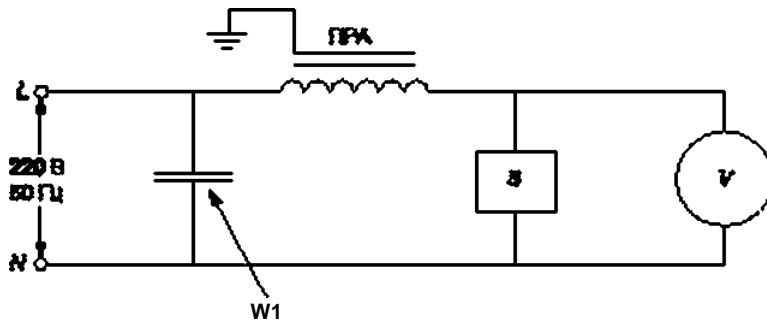
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	50	70	150	250	400
$\pm 10 \%$,	>	18	30	40	35
$\pm 10 \%$.	}	120	40	30	20
•>	230 , -				

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	50	70	150	250	400
() ±10 %	«)	10	20	30	40

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— 61347-2-1.

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.2.4.

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62035—2021

(F)

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F.2

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— 60432-1 ().

F.1 —

B22d	226-3	210
BY22d		150
26	£26/50*39	165"-)
27	£27/51*39	210
27	27/51»39	210
	40	250 ')
	Fc2	4)
	G12	280 ^d »
	PG12	210
	RX7s	
> > ANSI > 210 ' .		150 —

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G.2	[. 4.3.2.2.) 4. .2. .)]
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G.3	(. 4.3.1.2)		
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(60417-6071 (2011-09))



[60417-6040 (2010-06)]

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1.1

1.1.1

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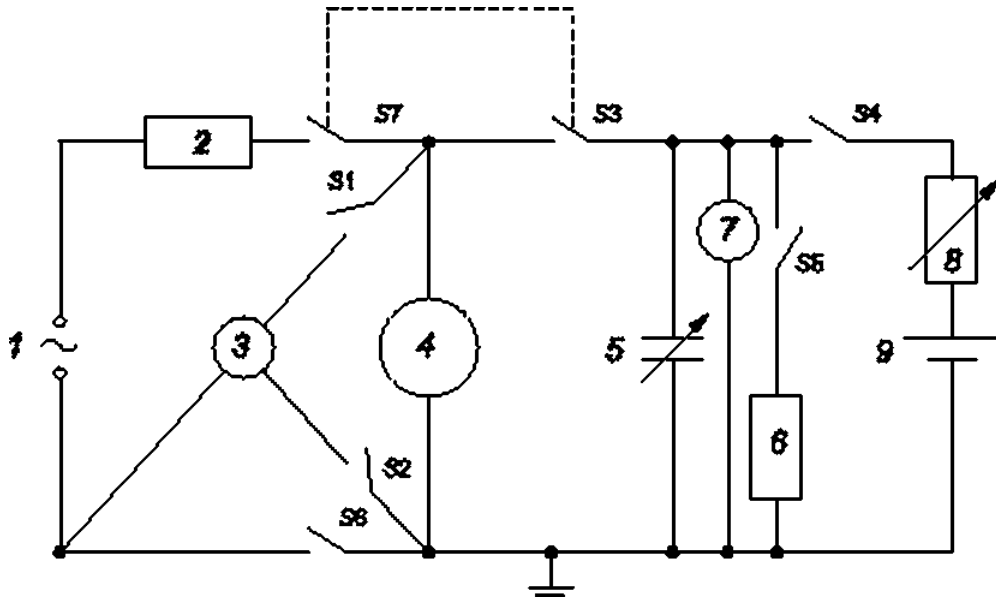
1.2.2

1.1.

SR 91.

». « » « », — « . -

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S — t — ; 2 — Hi-pot ; 3 — ; 4 — ;
 9 — ; 7 — ; 6 — ;
 : S1—S7 —

1.3.2.

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S1. S2. S3. S4.

S5. S8 S7.

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S1 S2

S6.

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S1. S2 S4.

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S7.

S3

13)

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S5;

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(, 5—20)

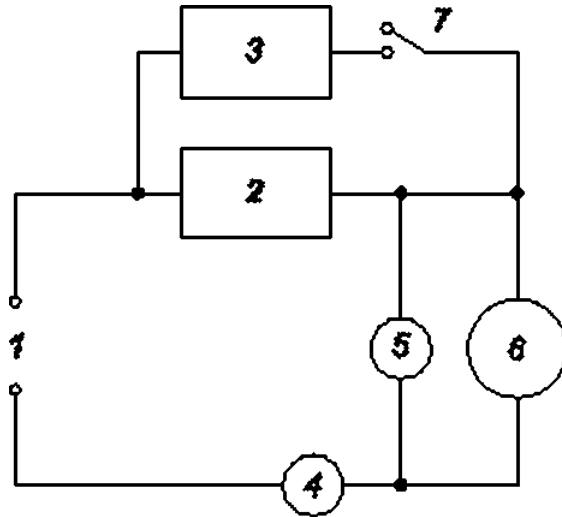
(3)

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40



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 4— .2— .3—
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62035—2021

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4.2.1	-	-	-	50	20	2.5
4.2.2	-	-	-	200	32	2.5
4.3.1.1	-	-	-	32		2.5
4.3.1J	-	-	-	G.3		—
4.3.1.3	-	-	-	125		0.65
4.3.2.2. -)	-	-	-	200	80	0.65

.1

1	2	3	4	5		AOL*. %
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4.3.2.2, -)	/ (-). - -		-	.2		
4.3.2.3. -)	/ - ().	-	-	200	80	0.65
4.3.2.3, -)	/ (-).		-	G.2		
4.4.1	, - -	-				
4.4.2	-		-	G.1		
4.4.3	- -		-	G.1		
4.5.2.1			-	G.3		
4.5.2.2			-	G.3		

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t	2	3	4			AQL*. %
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4.5.3.1			-	rtoG.3		
4.6.1.2		-		200		32
4.6.1.3				G.3		
4.6.2.1	-					
4.6.2.2	-	-		200		32
5.1				G.3		
5.2.2	-	-		200	32	2.5
5.2.3				1	J.	

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60410.

.2

«

AQL = 0,65 %,

.1.

.2 —

AQL = 0.65%

			« .%
60	1	2001	1.03
81—125	2	2100	1.02
126—200	3	2400	1.00
201-260	4	2750	0.98
261-315	5	3150	0.98
316—400	6	3550	0.94
401-500	7	4100	0.92
501-600	8	4800	0.90
601-700	9	5700	0.88
701-800	10	6800	0.86
801—920	11	8200	0.84
921—1040	12	10 000	0.82
1041—1140	13	13 000	0.80
1141-1250	14	17 500	0.78
1251-1360	15	24 500	0.78
1361-1460	16	39 000	0,74
1461 — 1570	17	69 000	0.72
1571—1680	18	145 000	0.70
1661-1780	19	305 000	0.68
1781-1890	20	1 000 000	0.67
1891-2000	21		

.3

AQL = 2.5 %,

.1.

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. —

AQL = 2.5 %

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32	2
33—50	3
51—65	4
66—60	5
81—100	6
101—125	7
126—145	8
146—170	9
171—200	10
201—225	11
226—255	12
256—285	13
286—315	14
316—335	15
336—360	16
361—390	17
391—420	18
421—445	19
446—475	20
476—500	21
501—535	22
536—560	23
561—590	24
591—620	25
621—650	26
651—680	27
681—710	28
711—745	29
746—775	30
776—805	31
806—845	32
846—880	33
881—915	34
916—955	35
956—1000	36

,	. %
1001	3.65
1075	3.60
1150	3.55
1250	3.50
1350	3.45
1525	3.40
1700	3.35
1925	3.30
2200	3.25
2515	3.20
2950	3.15
3600	3.10
4250	3,05
5250	3.00
6400	2.95
8200	2.90
11 000	2.85
15 500	2.80
22 000	2.75
34 000	2.70
60000	2.65
110 000	2.60
500 000	2,55
1 000 000	2.54

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IEC 60050	—	•
IEC 60061-1		IEC 60061-1—2014 « 1. » .
IEC 60061-2		IEC 60061-2—2017 « 2. » .
IEC 60061-3	—	•
IEC 60061-4		IEC 60061-4—2014 « 4. » .
IEC 60155		IEC 60155—2012 « » -
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