PS ELECTRIC®

ПАПКА 16

ПРИЛОЖЕНИЕ 10 Други документи за Позиция1 и Позиция 2

ПРИЛОЖЕНИЕ 10.7 3р и 1р стопяеми цилиндрични предпазител-прекъсвач-разединители

Приложение 1

Приложение 2

Приложение 3

Приложение 4

Приложение 5

Приложение 6

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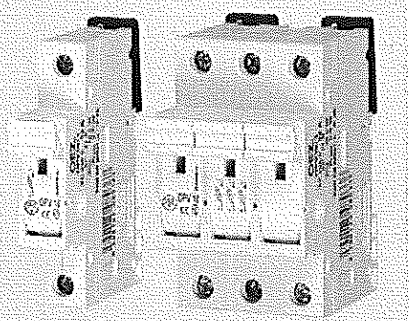
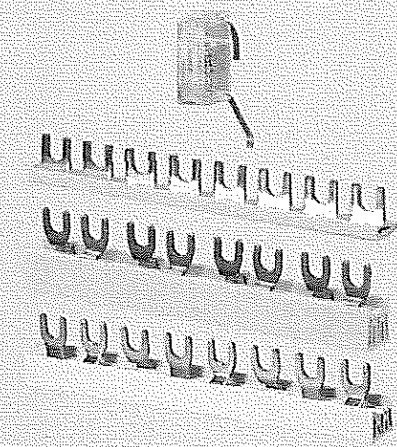
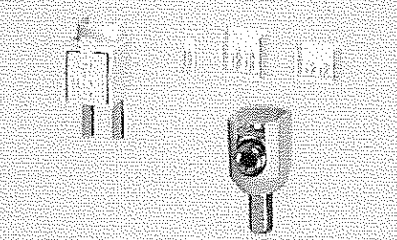
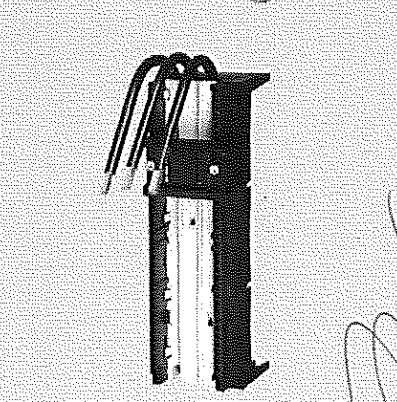
FUSE SWITCH-DISCONNECTORS FOR CYLINDRICAL FUSE-LINKS UP TO 32 A









Fuse switch-disconnectors OPV10 are intended for cylindrical fuse-links PV10 size 10x38. They can safely switch off rated current and overcurrent up to 1.5 rated current and meet the requirements for safe disconnection. Inverse connection is permissible and it affects neither the technical parameters nor the safety of the operator.

- Switch-disconnectors OPV can be sealed in the closed state.
- The devices are designed as modular for 45 mm cutout in the switchboard.
- Optional light indication of fuse state.
- Mounted on „U" rail of type TH35 according to EN 60715 or on the panel (steel rail recommended).
- Fuse-link state can be indicated by means of electronic signalling, see page D17.

Fuse switch-disconnectors

Type	Product code	I_n [A]	Number of poles	Weight [kg]	Package [pcs]
OPV10S-1	38819	32	1	0.100	12
OPV10-N	38825		N	0.107	12
OPV10S-1N	38820		1+N	0.187	6
OPV10S-2	38821		2	0.180	6
OPV10S-3	38822		3	0.280	4
OPV10S-3N	38823		3+N	0.360	3
OPV10S-4	38824		4	0.360	3

[1] OPV10-N design is without the possibility of signalling of fuse state.

Accessories

Description	Type	Product code	Weight [kg]	Package [pcs]
Light indication, operating voltage 100 ÷ 500 V a.c., d.c.	S - OPV10	08703	0.002	1
Light indication, operating voltage 12 ÷ 48 V d.c., a.c. (+ pole up)	S - OPV10/48	11812	0.002	1
Light indication, operating voltage 12 ÷ 48 V d.c., a.c. (+ pole down)	S - OPV10/48PD	18234	0.002	1
1-pole interconnecting busbar, cross-section 12 mm², max. current 65 A, rated operating voltage 415 V, max. operating voltage 500 V, length 1 m	G1L-1000-12	37355	0.300	1
2-pole interconnecting busbar, cross-section 16 mm², max. current 80 A rated operating voltage 415 V, max. operating voltage 500 V, length 1 m	G2L-1000-16	37361	0.477	20
3-pole interconnecting busbar, cross-section 10 mm², max. current 63 A, rated operating voltage 415 V, max. operating voltage 500 V, length 1 m	G3L-1000-10C	37365	0.300	1
End cap, for 1-pole busbars with diameter 10, 12, 16 mm²	EKC-1	37383	0.0005	10
End cap, for 3-pole busbars with diameter 10 mm²	EKC-3	37385	0.001	10
End cap, for 2-pole and 3-pole busbars with diameter 16 mm²	EKC-2+3	37384	0.001	10
Terminal extension, for connection of conductor of cross-section up to 25 mm²	AS-25-C	37390	0.012	10
Terminal extension, for connection of Cu/Al conductor of cross-section 2.5 ÷ 50 mm²	AS-50-S-AL01	38749	0.02	1
Adapter for busbars with spacing 60 mm, busbar thickness 5 or 10 mm, busbar width 12 ÷ 30 mm, cable outlet bottom, max. current 63 A	GA-60/63/54-1x7,5	11883	0.560	1

Specifications

Rated operating current	I_n		32 A
Rated operating voltage (a.c./d.c.)	U_e		690 V
Utilization category		690 V a.c.	AC-21B
		250 V d.c.	DC-21B
		700 V d.c.	DC-20B
Rated thermal current with fuse-link	I_{th}		32 A
Rated frequency	f_n		40 ÷ 60 Hz
Rated insulation voltage	U_i		800 V a.c.

FUSE SWITCH-DISCONNECTORS FOR CYLINDRICAL FUSE-LINKS UP TO 32 A

Specifications

Rated conditional short-circuit current with fuse-links PV (RMS)	I_{cc}	690 V	110 kA
Rated pulse withstand voltage	U_{imp}		4 kV
Fuse-link size		diameter x length	10x38
Max. rated current of the fuse-link	I_n		32 A
Max. power losses of the fuse-link**	P_v		3.5 W
Rated short-time withstand current	I_{cw} 1s		1.6 kA
Rated short-circuit making capacity at 400 V a.c.	I_{cm}		4 kA
Electrical endurance			300
Mechanical endurance			1700
Degree of protection, cover closed			IP20
Degree of protection, cover opened			IP20
Connection cross-section			Cu/0.5 ÷ 25 mm² (2x 16 mm²)
Torque			2 Nm
Operating ambient temperature	t		-25 ÷ +55 °C
Max. sea level			2000 m
Seismic resistance according to VE ŠKODA			3 g/8 ÷ 50 Hz
Overvoltage category/Rated voltage			I (II*)/690 V a.c., II (III*)/500 V a.c., III/400 V a.c.
Standards			IEC 60947-1, -3; EN 60947-1, -3
Approval marks			

* For underground cable distribution systems with overvoltage protection or for exposure to a low thunderstorm electricity (table H2 EN 60947-1, IEC 60947-1).

** Conditions for the use of fuse-links for semiconductor protection PV510 in chapter „Conditions for the use of fuse-links in fuse switch-disconnectors" see page H33.

EN 60947-3 ed. 2/A2, p. C.5 Instructions for the use of 1-pole controlled devices states:
These devices are intended for distribution systems, with possible necessity of switching and/or safe disconnection of individual phases, and must not be used for switching a primary circuit of a three-phase equipment.

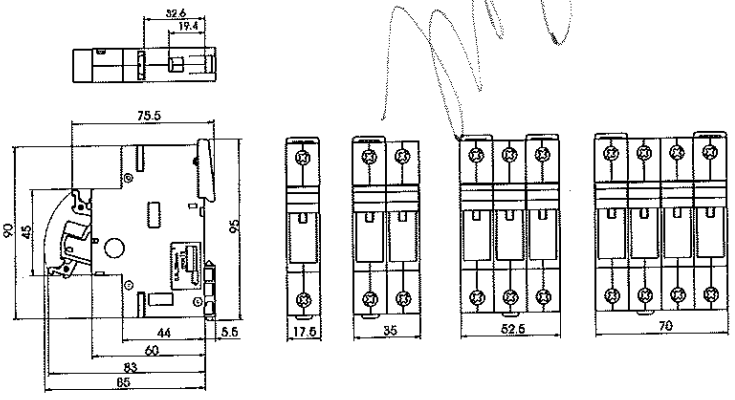
Reduction of rated current of fuse-links PV gG, aM according to the number of poles

Type	I_n [A]	Reduced rated current [A] (Number of poles)				
		1	3	5	7	10
OPV10	32	32	32	32	32	32

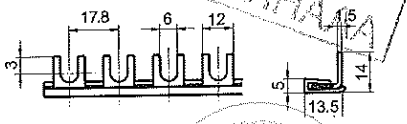
Neutral pole

		OPV10-N
Rated operating current	I_e	32 A
Thermal current with disconnecting link ZPV10	I_{th}	110 A/25 mm²
Utilization category of the neutral pole at I_e		AC-20B
Rated short-time withstand current	I_{cw} 1s	1.6 kA
Rated short-circuit making capacity at 690 V a.c.	I_{cm} [kA]	5 kA
Rated short-circuit making capacity at 250 V d.c.	I_{cm} [kA]	5.1 kA
Power losses with disconnecting link at I_e	P_v [W]	4.8 W
Connection cross-section		0.5 ÷ 25 mm²

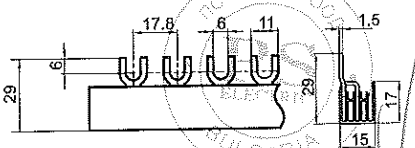
Dimensions



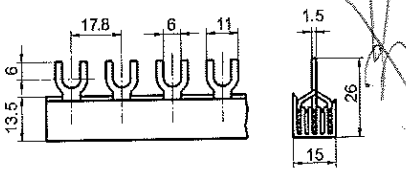
G1L-1000-12



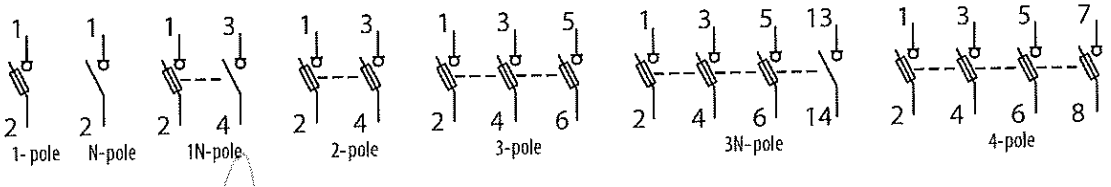
G2L-1000-16



G3L-1000-10C



Diagram



MINIMAL CONNECTING CROSS-SECTION OF FUSE SWITCH-DISCONNECTORS

Minimal connecting cross-section of cables of fuse switch-disconnectors for cylindrical fuse-links

Fuse-links I_n [A]	Fuse switch-disconnectors for cylindrical fuse-links			Cable S [mm²]	
	OPV10	OPV14	OPV22	Cu	Al
0.25	x	x		1	-
0.5	x	x		1	-
1	x	x		1	-
2	x	x		1	-
4	x	x		1	-
6	x	x		1	-
8	x	x		1	-
10	x	x		1.5	-
12	x	x		1.5	-
16	x	x	x	2.5	-
20	x	x	x	2.5	-
25	x	x	x	4	-
32	x	x	x	4	-
40		x	x	10	-
50		x	x	10	16
63		x	x	16	25
80			x	25	35
100			x	35	50
125			x	50	70

Notes:
1) Applies to ambient temperature of swich-disconnectors max. 40 °C
2) Applies to HRC fuse-links PV10, PV14, PV22

Minimal connecting cross-section of cables and busbars of fuse switch-disconnectors and fuse rails

Fuse-links I_n [A]	Fuse switch-disconnectors and fuse-rails									Cable S [mm²]		Busbar w x h	
	FH000	FH00	FH1	FH2	FH3	FD00 FR00	FD1 FR1	FD2 FR2	FD3 FR3	Cu	Al	Cu	Al
4	x	x				x				1	-	-	-
6	x	x	x			x	x			1	-	-	-
8	x	x	x			x	x			1	-	-	-
10	x	x	x			x	x			1.5	-	-	-
12	x	x	x			x	x			1.5	-	-	-
16	x	x	x			x	x			2.5	-	-	-
20	x	x	x			x	x			2.5	-	-	-
25	x	x	x			x	x			4	-	-	-
32	x	x	x	x		x	x	x		4	-	-	-
35	x	x	x	x		x	x	x		6	-	-	-
40	x	x	x	x		x	x	x		10	-	-	-
50	x	x	x	x		x	x	x		10	16	-	-
63	x	x	x	x		x	x	x		16	25	-	-
80	x	x	x	x	x	x	x	x	x	25	35	-	-
100	x	x	x	x	x	x	x	x	x	35	50	20 x 2	25 x 2
125	x	x	x	x	x	x	x	x	x	50	70	25 x 2	25 x 3
160	x	x	x	x	x	x	x	x	x	70	95	25 x 3	25 x 4
200			x	x	x		x	x	x	95	120	25 x 4	25 x 5
224			x	x	x		x	x	x	95	120	25 x 4	25 x 5
250			x	x	x		x	x	x	120	150	25 x 5	25 x 6
315				x	x			x	x	150	185	32 x 5	32 x 6
350				x	x			x	x	185	240	32 x 6	32 x 8
400				x	x			x	x	240	2x 150	32 x 8	40 x 8
500					x				x	2x 150	2x 185	2x 30 x 5	2x 40 x 5
630					x				x	2x 185	2x 240	2x 40 x 5	2x 40 x 8

Notes:
1) Applies to ambient temperature of swich-disconnectors max. 40 °C
2) Applies to HRC fuse-links PNA, PHNA

FUSE-LINKS PV

- Small dimensions.
- High limiting and breaking capacity.
- Low power losses.
- The fuse-links do not contain harmful substances according to the RoHS Regulation (cadmium, lead and other).
- Utilization category gG for protection of lines, cables and other equipment against overload and short- circuit.
- Utilization category aM for protection of motors, overcurrent relays, contactors and similar devices only against short-circuit.

Fuse-links PV

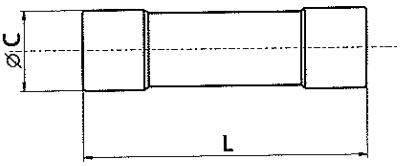
	Utilization category gG					Utilization category aM					
	I_n [A]	Type	U_n [V]	Product code	Power losses [W]	Type	U_n [V]	Product code	Power losses [W]	Weight [kg]	Package [pcs]
10 x 38	0,25	-	-	-	-	PV10 0,25A aM	500	06688	0.11	0.011	20
	0,5	-	-	-	-	PV10 0,5A aM	500	06689	0.17	0.011	20
	1	-	-	-	-	PV10 1A aM	500	06690	0.29	0.011	20
	2	PV10 2A gG	500	06691	0.72	PV10 2A aM	500	06692	0.92	0.011	20
	4	PV10 4A gG	500	06693	1.17	PV10 4A aM	500	06694	0.25	0.011	20
	6	PV10 6A gG	500	06695	0.88	PV10 6A aM	500	06696	0.31	0.011	20
	8	PV10 8A gG	500	06697	1.04	PV10 8A aM	500	06698	0.46	0.011	20
	10	PV10 10A gG	500	06699	1.29	PV10 10A aM	500	06700	0.46	0.011	20
	12	PV10 12A gG	500	06701	1.48	PV10 12A aM	500	06702	0.47	0.011	20
	16	PV10 16A gG	500	06703	1.86	PV10 16A aM	500	06704	0.67	0.011	20
	20	PV10 20A gG	500	06705	2.20	PV10 20A aM	400	06706	0.87	0.011	20
	25	PV10 25A gG	500	06707	2.58	PV10 25A aM	400	06708	1.05	0.011	20
	32	PV10 32A gG	500	06709	2.54	PV10 32A aM	400	06710	1.50	0.011	20
14 x 51	0,25	-	-	-	-	PV14 0,25A aM	690	06711	0.12	0.020	10
	0,5	-	-	-	-	PV14 0,5A aM	690	06712	0.18	0.020	10
	1	-	-	-	-	PV14 1A aM	690	06713	0.30	0.020	10
	2	PV14 2A gG	690	06714	0.95	PV14 2A aM	690	06715	0.99	0.020	10
	4	PV14 4A gG	690	06716	1.57	PV14 4A aM	690	06717	0.31	0.020	10
	6	PV14 6A gG	690	06718	2.24	PV14 6A aM	690	06719	0.34	0.020	10
	8	PV14 8A gG	690	06720	1.20	PV14 8A aM	690	06721	0.45	0.020	10
	10	PV14 10A gG	690	06722	1.58	PV14 10A aM	690	06723	0.56	0.020	10
	12	PV14 12A gG	690	06724	1.49	PV14 12A aM	690	06725	0.63	0.020	10
	16	PV14 16A gG	690	06726	2.0	PV14 16A aM	500	06727	1.01	0.020	10
	20	PV14 20A gG	690	06728	2.24	PV14 20A aM	500	06729	1.04	0.020	10
	25	PV14 25A gG	690	06730	2.70	PV14 25A aM	500	06731	1.30	0.020	10
	32	PV14 32A gG	690	06732	3.33	PV14 32A aM	500	06733	1.94	0.020	10
	40	PV14 40A gG	500	06734	3.86	PV14 40A aM	500	06735	2.04	0.020	10
	50	PV14 50A gG	500	06736	4.10	PV14 50A aM	400	06737	2.91	0.020	10
	63	PV14 63A gG	500	06738	5.35	PV14 63A aM	400	06739	3.69	0.020	10
22 x 58	16	PV22 16A gG	690	06740	2.23	PV22 16A aM	690	06741	0.92	0.060	10
	20	PV22 20A gG	690	06742	2.24	PV22 20A aM	690	06743	1.06	0.060	10
	25	PV22 25A gG	690	06744	2.90	PV22 25A aM	690	06745	1.43	0.060	10
	32	PV22 32A gG	690	06746	4.10	PV22 32A aM	690	06747	2.03	0.060	10
	40	PV22 40A gG	690	06748	4.52	PV22 40A aM	690	06749	2.50	0.060	10
	50	PV22 50A gG	690	06750	6.45	PV22 50A aM	690	06751	2.55	0.060	10
	63	PV22 63A gG	500	06752	5.82	PV22 63A aM	500	06753	4.05	0.060	10
	80	PV22 80A gG	500	06754	6.82	PV22 80A aM	500	06755	4.85	0.060	10
	100	PV22 100A gG	500	06756	7.81	PV22 100A aM	500	06757	5.59	0.060	10
	125	PV22 125A gG	500	18271	10.5	PV22 125A aM	400	06758	6.31	0.060	10

FUSE-LINKS PV

Parameters

Rated voltage	U_n	400 ÷ 690 V a.c. 250 V d.c.
Rated breaking capacity (rms)	I_1	120 kA/400 ÷ 690 V a.c. (100 kA/PV10 32A gG, 80 kA/PV14 63A gG) 50 kA/250 V d.c.
Utilization category		gG aM
Discrimination		1 : 1.6
Standards		IEC 60269 EN 60269
Approval marks		

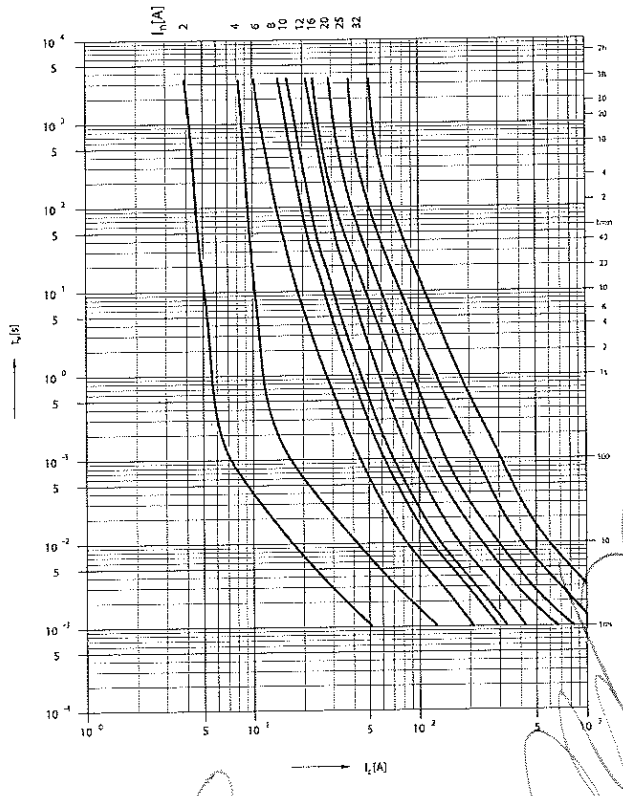
Dimensions



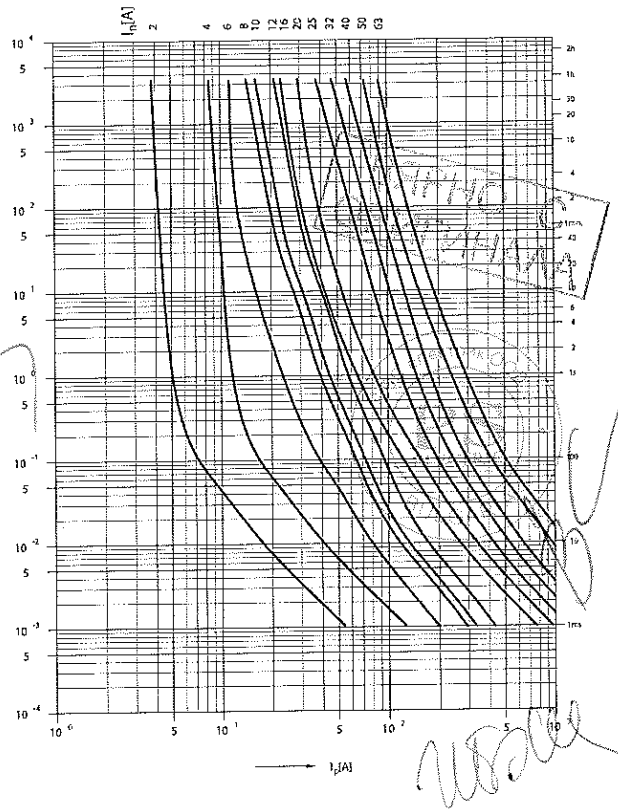
Type	Ø C	L
PV10	10.3± 0.1	38± 0.6
PV14	14.3± 0.1	$51^{+0.6}_{-1}$
PV22	22.2± 1	$58^{+0.1}_{-2}$

Characteristics

Prearcing time/current characteristic
PV10 gG



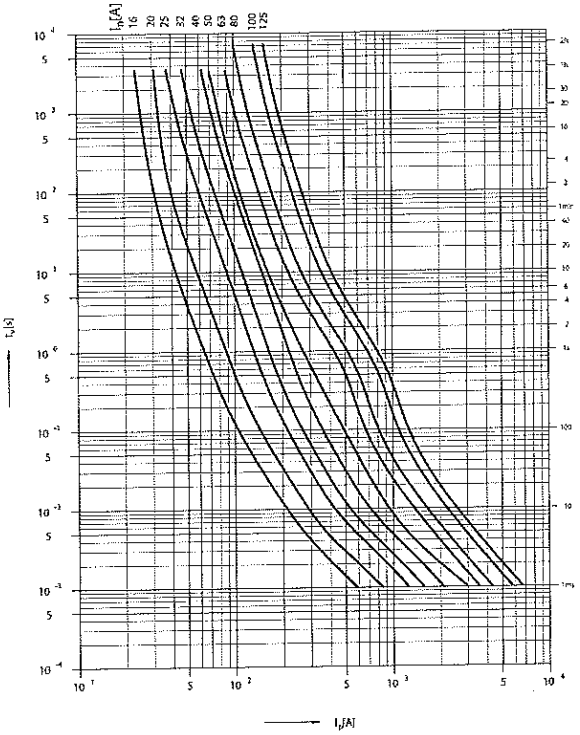
Prearcing time/current characteristic
PV14 gG



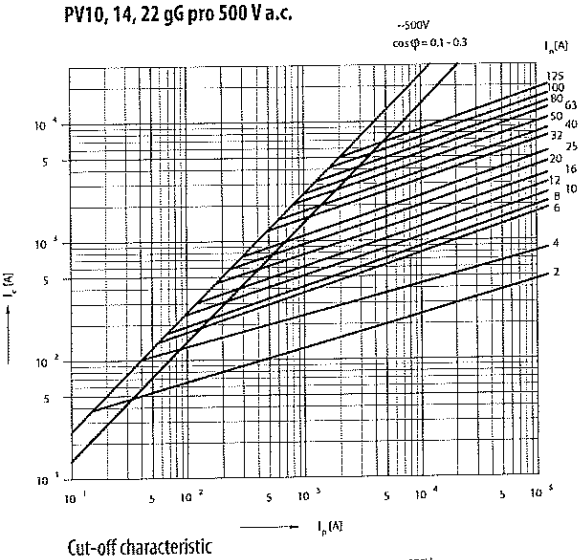
FUSE-LINKS PV

Characteristics

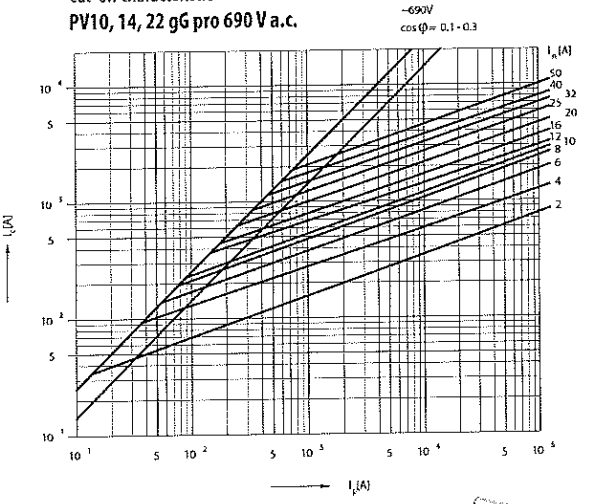
Prearcing time/current characteristic
PV22 gG



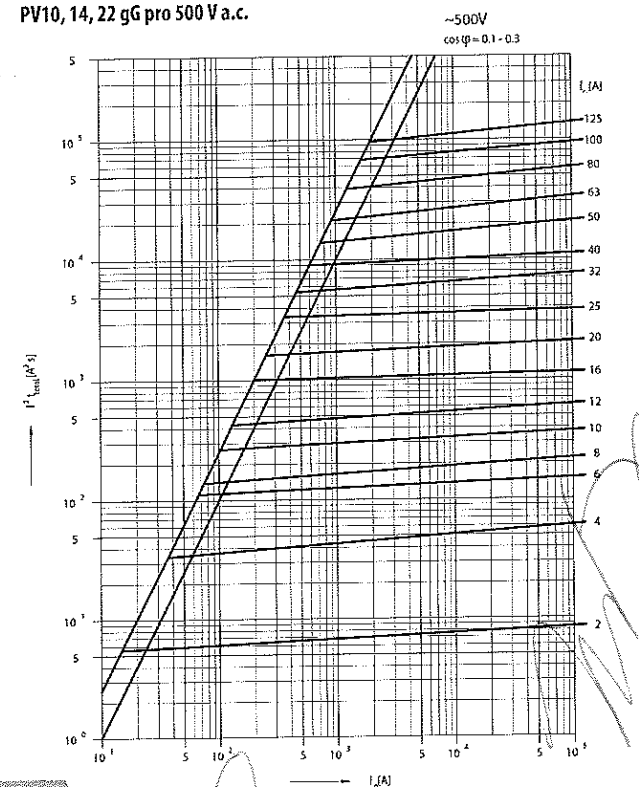
Cut-off characteristic
PV10, 14, 22 gG pro 500 V a.c.



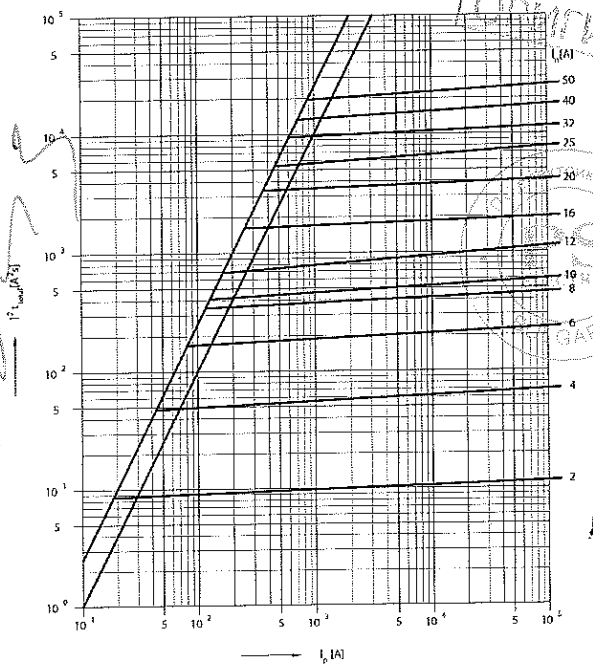
Cut-off characteristic
PV10, 14, 22 gG pro 690 V a.c.



I^2t characteristic
PV10, 14, 22 gG pro 500 V a.c.



I^2t characteristic
PV10, 14, 22 gG pro 690 V a.c.



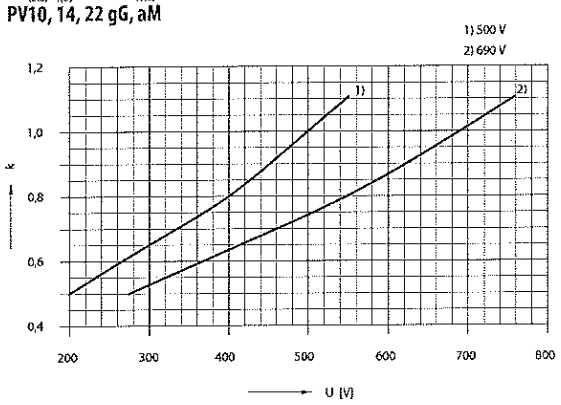
FUSE-LINKS PV

Characteristics

Correction factor „k" of I^2t dependence on operating voltage U

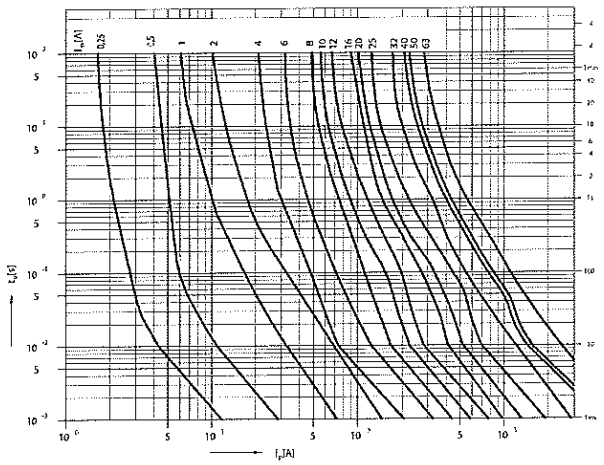
$(I^2t_{total})_{f(U)} = k \times I^2t_{total}$

PV10, 14, 22 gG, aM



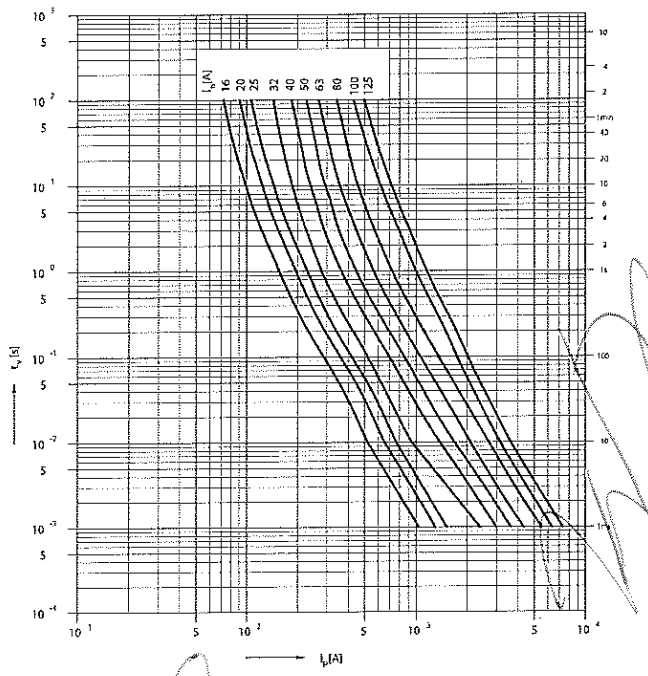
Prearcing time/current characteristic

PV14 aM



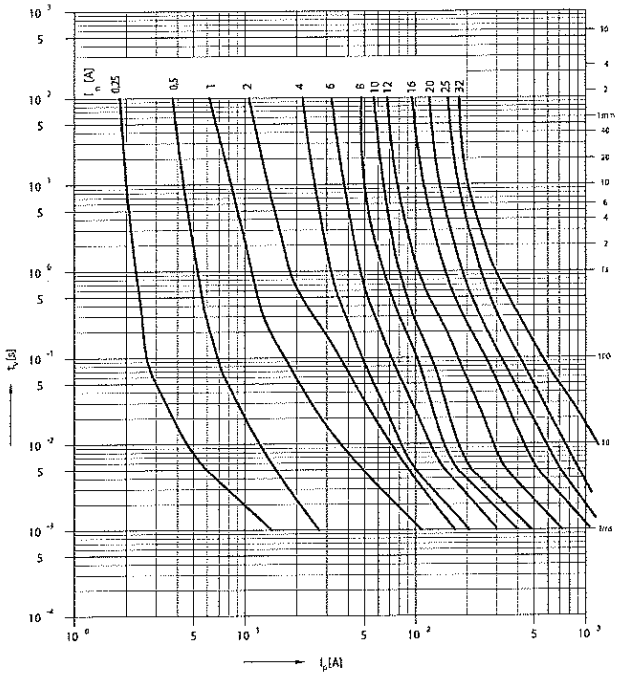
Prearcing time/current characteristic

PV22 aM



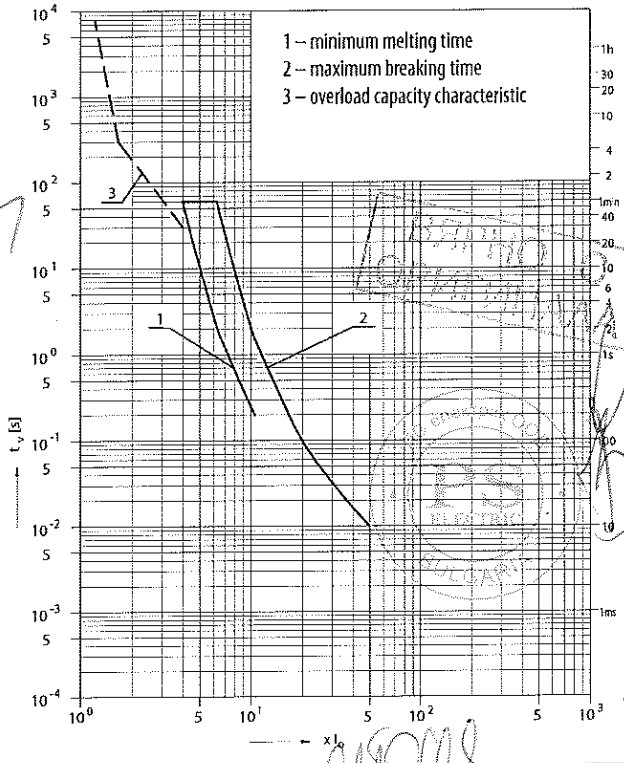
Prearcing time/current characteristic

PV10 aM



Time/current ranges

PV10, 14, 22 aM

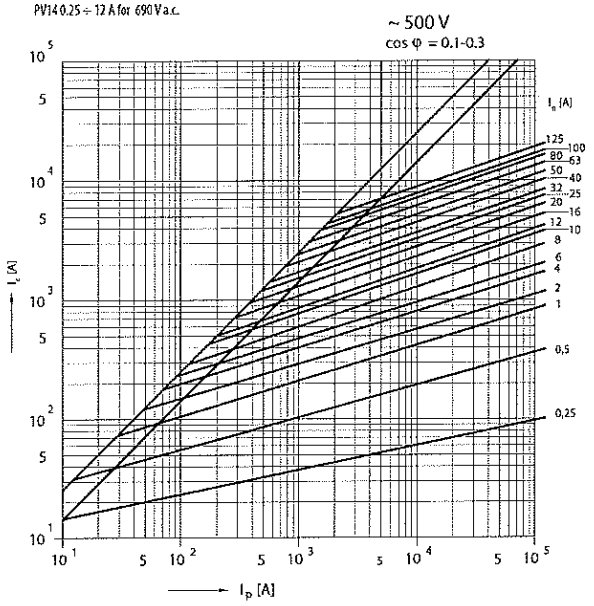


FUSE-LINKS PV

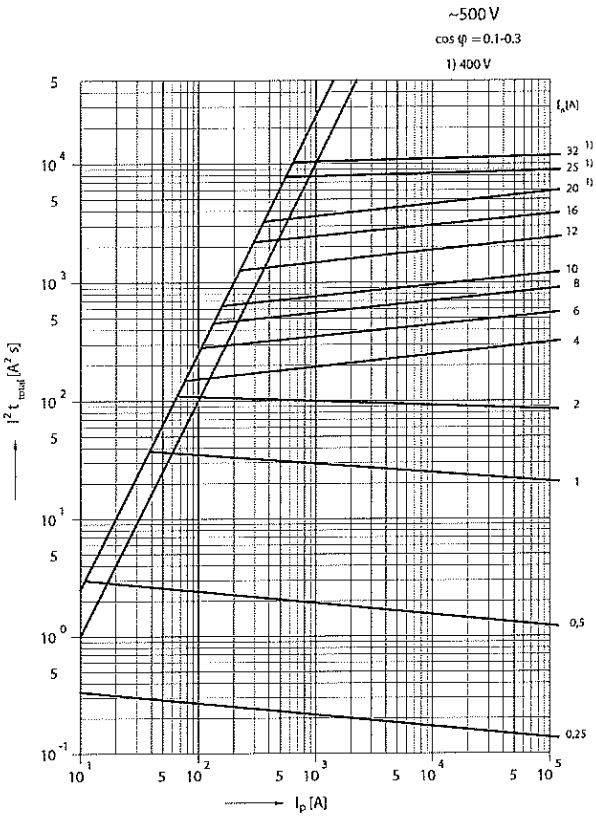
Characteristics

Cut-off characteristic
PV10, 14, 22 aM

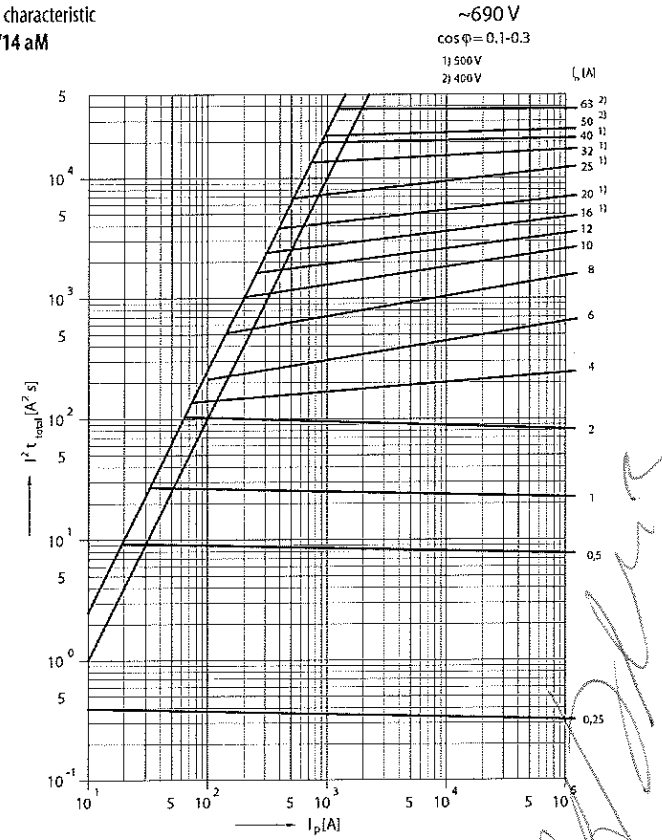
PV10 20 ÷ 32 A for 400 V a.c.
PV14 50 a 63 A for 400 V a.c.
PV14 0.25 ÷ 12 A for 690 V a.c.
PV22 125 A for 400 V a.c.
PV22 16 ÷ 50 A for 690 V a.c.



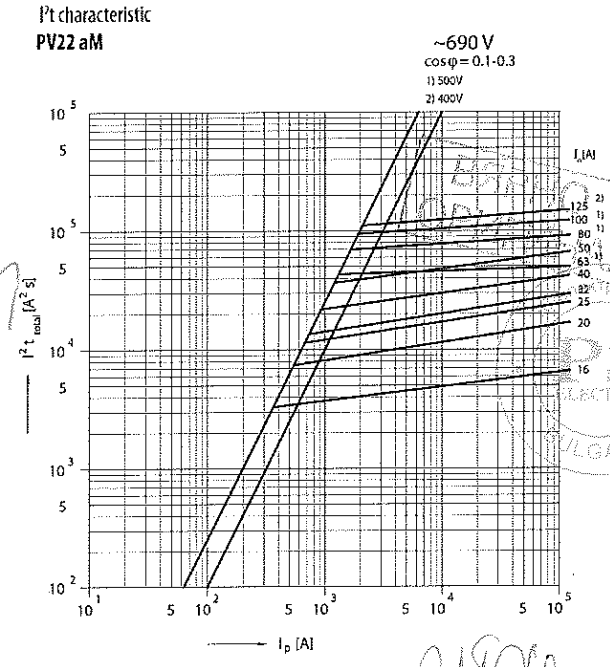
I^2t characteristic
PV10 aM



I^2t characteristic
PV14 aM



I^2t characteristic
PV22 aM



10.4/3

OEZ

ES PROHLÁŠENÍ O SHODĚ / *CE DECLARATION OF CONFORMITY*

Číslo / *No.* : 502300/1210

My / *We*, **OEZ s.r.o.**
Šedivská 339, 561 51 Letohrad, Česká republika

prohlašujeme na svou výlučnou odpovědnost, že
declare on our own responsibility that

Výrobek: Odpínače válcových pojistek velikosti 10x38
Product: Fuse switch-sdisconnectors for cylindrical fuse-links size 10x38

Typ / *Type*: OPVA10

Příslušenství / *Accessory*:

je ve shodě s následujícími normami:
complies with the following standards:

České normy / *Czech standards*	**Evropské normy** / *European standards*
ČSN EN 60947-1:08ed.4 +A1:11 ČSN EN 60947-3:10ed.3	EN 60947-1:07 EN 60947-3:09

a následujícími nařízeními vlády, ve znění pozdějších předpisů (NV)
and the following government regulations (NV), as amended

NV 17/2003 Sb. v platném znění	2006/95/ES - including amendments

Elektrotechnický zkušební ústav, Pod Lisem 129, 171 02 Praha 71, Česká republika
zkoušel / certifikoval daný výrobek a vydal:
tested / certified the product and issued:

EZU Certifikát / *EZU Certificate*: 1120754 ze dne 29.09.2012
EZÚ zkušební protokol / *EZU test report*: 204265-01/01 ze dne 21.0

На основание чл. 2
от ЗЗЛД

Poslední dvojčíslí roku, v němž bylo označení CE na výrobek umístě
Last two digits of the year in which the CE mark was placed on the produ

Místo vydání: **Letohrad**
Place of issue:

Zástupce výrobce a podpis:
Manufacturer's representative and signature:

Datum vydání: **08.10.2012**
Date of issue:

Funkce: **generální ředitel**
Position: *general director*

9

OEZ

ES PROHLÁŠENÍ O SHODĚ / *CE DECLARATION OF CONFORMITY*

Číslo / *No.* : 493200/1210

My / *We*, **OEZ s.r.o.**
Šedivská 339, 561 51 Letohrad, Česká republika

prohlašujeme na svou výlučnou odpovědnost, že
declare on our own responsibility that

Výrobek: Pojistkové vložky
Product: Fuse-links

Typ / *Type*: PVA

Příslušenství / *Accessory*:

je ve shodě s následujícími normami:
complies with the following standards:

České normy / *Czech standards*	**Evropské normy** / *European standards*
ČSN EN 60269-1:08ed.3 ČSN 354701-2:11ed.2	EN 60269-1:07 HD 60269-2:10

a následujícími nařízeními vlády, ve znění pozdějších předpisů (NV)
and the following government regulations (NV), as amended

NV 17/2003 Sb. v platném znění	2006/95/ES - including amendments

Elektrotechnický zkušební ústav, Pod Lisem 129, 171 02 Praha 71, Česká republika zkoušel / certifikoval daný výrobek a vydal:
tested / certified the product and issued:

EZU Certifikát / *EZU Certificate*: 1120633 ze dne 14.8.2012
EZÚ zkušební protokol / *EZU test report*: 203275-01/01 ze dne 30.07.2012

Poslední dvojčíslí roku, v němž bylo označení CE na výrobek umístěno: 12
Last two digits of the year in which the CE mark was placed on the product:

Místo vydání: **Letohrad**
Place of issue:

Datum vydání: **08.10.2012**
Date of issue:

Zástupce výrobce a podpis:
Manufacturer's representative and signature:

Funkce: **generální ředitel**
Position: *general director*

ВЯРНО С ОРИГИНАЛА

На основание чл. 2 от ЗЗЛД

10

Превод от английски език

ОЕЗ АД
Шедивска 339, 561 51 Летохрад, Чешка република

ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ
№ 502300/1210

Ние, **ОЕЗ АД**, с адрес: Шедивска 339, 561 51 Летохрад, Чешка република, декларираме на наша собствена отговорност, че

Продуктът **Разединител - предпазител за цилиндрични стояеми вложки размер 10x38**

Тип **OPVA10**

Аксесоари:

Съответства на следните стандарти:

Чешки стандарт	Европейски стандарт
CSN EN 60947-1:08 ed.4+A1:11 CSN EN 60947-3:10 ed.3	EN 60947-1:07 EN 60947-3:09

И на следните държавни наредби (NV) и измененията към тях

NV17/2003 Sb. - включително измененията	2006/95/ES - включително измененията

ЕЗУ (Дружество за електротехнически изпитания) с адрес: Под Листем 129, 171 02 Прага 71, Чешка република, удостовери продукта и издаде:

ВЯРНО С ОРИГИНАЛА

Сертификат № 1120754 от дата 29.09.2012 г.
Изпитателен протокол № 204265-01/01 от дата 21.09.2012 г.

Последните две цифри от годината, в която е поставен знакът ЕС върху продукта: 12

Място на издаване: Летохрад/ дата г.
Представител на производителя: ин лен директор (подпис)
ОЕЗ АД с адрес: Шедивска 339, 561 ублика

На основание чл. 2 от ЗЗЛД

11

Превод от английски език

ОЕЗ АД
Шедивска 339, 561 51 Летохрад, Чешка република

ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ
№ 493200/1210

Ние, **ОЕЗ АД**, с адрес: Шедивска 339, 561 51 Летохрад, Чешка република, декларираме на наша собствена отговорност, че

Продуктът **Стопяем предпазител**

Тип **PVA**

Аксесоари:

Съответства на следните стандарти:

Чешки стандарт	Европейски стандарт
CSN EN 60269-1:08 ed.3 CSN 354701-2:11 ed.2	EN 60269-1:07 HD 60269-2:10

И на следните държавни наредби (NV) и измененията към тях

NV17/2003 Sb. - включително измененията	2006/95/ES - включително измененията

ЕЗУ (Дружество за електротехнически изпитания) с адрес: Под Листем 129, 171 02 Прага 71, Чешка република, удостовери продукта и издаде:

Сертификат № 1120633 от дата 14.08.2012 г.
Изпитателен протокол № 203275-01/01 от дата 30.07.2012 г.

Последните две цифри от годината, в която е поставен знакът ЕС върху продукта: 12

Място на издаване: Летохрад/ дата на издаване: 08.10.2012 г.
Представител на производителя: инж. Роман Шифер, генерален директор (подпис)
ОЕЗ АД с адрес: Шедивска 339, 561 51 Летохрад, Чешка република

12

TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

Report	
Reference No.	702102-01/01
Tested by (+ signature)	Klípa
Approved by (+ signature)	Hlavatý
Date of issue	03.08. 2007
Contents	78 pages
Oscillograms	85 , page 36 - 78
Testing laboratory	
Name	Elektrotechnický zkušební ústav
Address	Pod Lisem 129 , 171 02 Praha 8 - Troja , Czech Republic
Testing location	as above
Client	
Name	OEZ s.r.o.
Address	Šedivská 339, 56151 Letohrad, Czech Republic
Test specification	
Standard	IEC 60269-1:98 3rd ed.+Amd1:05; IEC 60269-2:86 2nd ed. +Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed..
Test procedure	CB-scheme
Procedure deviation	N.A.
Non-standard test method	N.A.
Test item	
Description	**Low-voltage fuses**
Trademark	OEZ.
Model and/or type reference	**PV10 gG Cd/Pb free**
Manufacturer	**OEZ s.r.o.**
Rating(s)	**500V / 2, 4, 6, 8, 10, 12, 16, 20, 25, 32A**
Test case verdicts	
Test case does not apply to the test object	N(.A.)
Test item does meet the requirement	P(ass)
Test item does not meet the requirement	F(ail)

TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

TECHNICAL CHARACTERISTIC

Serie/Type ref.:.....**PV10gG** **Cd/Pb free**

Rated voltage:.....**500 V**

Rated current:..... **2, 4, 6, 8, 10, 12, 16, 20, 25, 32A**

Rated frequency:..... **50 Hz**

Rated breaking capacity:.....**120 kA (100kA/32A)**

Homgeneous series.....**2-4; 6; 8-12;16-20;25; 32A**

Size:.....**10 x 38**

Utilization category:

Gripping lugs:.....**No**

Indicating device:.....**No**

Models/type see page 3
Test sequence see page 3

ВАЛИДЕН С ОРИГИНАЛА

PS ELECTRIC BULGARIA

TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

LOW-VOLTAGE FUSE; NH-SYSTEM

IEC 60269 Test sequence

Number of CB-Test report	Type	Rated current (A)	Rated voltage (V)	Rated breaking capacity (kA)	Size	Table
	PV10 gG	**2**	**500**	**120**	**10x38**	**7B**
	PV10 gG	**4**	**500**	**120**	**10x38**	**7A**
	PV10 gG	**6**	**500**	**120**	**10x38**	**7A**
	PV10 gG	**8**	**500**	**120**	**10x38**	**7B**
	PV10 gG	**10**	**500**	**120**	**10x38**	**7C**
	PV10 gG	**12**	**500**	**120**	**10x38**	**7A**
	PV10 gG	**16**	**500**	**120**	**10x38**	**7B**
	PV10 gG	**20**	**500**	**120**	**10x38**	**7A**
	PV10 gG	**25**	**500**	**120**	**10x38**	**7A**
	PV10 gG	**32**	**500**	**100**	**10x38**	**7A**

Type listing

Rated current (A)	Type	Type	Type	Type

Clause	Test-sequence	Samples No	R_i mΩ	Test-voltage V (AC)	Test current A	cos φ	Pre-arcing time s	Operating time s	Requirement-Test	Result-Remark verdict	
6	Marking	1							The marking of the rated voltage/rated current /size discernible from the front	**P**	see page **34**
8.1.4	Dimension	1-3							Fig. 1(III) Size 10 x 38	**P**	see page **6**
8.1.5.1	Resistance (R_i)	1-17							Measuring current ≤ 0,1 I_n ; Ambient air temperature 20 ± 5°C	**P**	see page **4, 5**
8.3	Power dissipation (P_n) / / temperature rise (ΔT)	1	**143**	**10**	**2**	-			Tab. M and Fig. 1(III) (60269-2-1), P_n = max 3 W, Ambient air temperature: **24**°C; Conventional time **1** h	**P**	**P_n = 0,72W** **ΔT = 9K**
8.4.3.1a)	Conv. non-fusing current (I_{nf})	1	**143**	**10**	**3**	-		**> 3600**	not operate within the conventional time 1h	**P**	
8.4.3.1b)	Conv. fusing current (I_f)	2	**129**	**10**	**4,2**	-		**1080**	operate within the conventional time **1**.h	**P**	
8.4.3.2	Rated current	3	**140**	**10**	**3**	-		**> 3600**	100 h pulse test; test current 1,05 x I_n **2,1A** ; on **1** h/ off 0,1 x **1**h, after the test conventional non-fusing current (I_{nf}) **3 A**; conventional time **1**h	**P**	
8.4.3.3.1	Gate a) I_{min} (10 s)	4	**135**	**10**	**3,7**	-	**>4200**		Testing current of Table 3, column 2; operating time > 10 s	**P**	
	„ b) I_{max} (5 s)	5	**137**	**200**	**9,2**	-	**0,051**		„ „ „ 3, „ 3 operate within ≤ 5 s	**P**	
	„ c) I_{min} (0,1 s)	6	**131**	**200**	**6**	-	**0,3**		„ „ „ 3, „ 4 operating time > 0,1 s	**P**	
	„ d) I_{max} (0,1 s)	7	**132**	**200**	**23**	-	**0,006**		„ „ „ 3, „ 5 operate within ≤ 0,1 s	**P**	
8.4.3.4	Overload	8	**140**	**10**	**4,2**	-	**1020**		50 pulses; test current equal to 0,8 x **5,2** A stated for a pre-arcing time of 5 s	**P**	
		9	**138**	**10**	**4,2**	-	**1050**		on - 5 s / off - 0,2 x **1** h of the conventional time; current 4,2 A equal to	**P**	
		10	**136**	**10**	**4,2**	-	**900**		current for the overload test; pre-arcing time of sample lies within stated zone	**P**	
8.4.3.6	Indicating devices	-	-						Operation of indicating device verified in combination with the verification of breaking capacity I_1 to I_5 (8.5.5)	**N**	

EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 2A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7B**	**CB** page **- 5 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7B** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test sequence	Sample No	R_i mΩ	Test-voltage V (AC)	Test-current kA	cos φ	Making angle after voltage zero (U_0)	i_D kA	i_S kA	Peak arc voltage V	Initiation of arcing after voltage zero (U_0)	Pre-arcing time ms	Operating time ms	Pre-arcing I^2t A^2s	Operating I^2t A^2s	Osz No	Result-Remark Verdict	Remark
8.5 No1	Breaking capacity (I1)	**11**	**129**	**558**	**125**	**0,16**	**46**	**0,620**		**640**	**46**	**0,01**	**0,12**			**27DS044**	**P**	**∞ MΩ**
		12	**130**	**558**	**125**	**0,16**	**86**	**0,623**		**916**	**86**	**0,01**	**0,15**			**27DS045**	**P**	**∞ MΩ**
		13	**137**	**558**	**125**	**0,16**	**84**	**0,494**		**803**	**84**	**0,01**	**0,10**			**27DS046**	**P**	**∞ MΩ**
8.7.4	Overcurrent discrimination(I^2t-Wert)	**14**	**140**	**192**	**0,013**	**0,26**	**0**							**3,10**		**98645**	**P**	**∞ MΩ**
		15	**141**	**192**	**0,013**	**0,26**	**0**							**2,89**		**98646**	**P**	**∞ MΩ**
		16	**131**	**320**	**0,066**	**0,25**	**7**								**3,66**	**98651**	**P**	**∞ MΩ**
		17	**131**	**328**	**0,066**	**0,25**	**0**								**3,61**	**98652**	**P**	**∞ MΩ**
8.9.2	Resistance to heat			Gripping-lugs; to 80°C; 2h, then loaded with 150% rated current; tensile force F_{max} (Table J) .....N													N	
8.11.1.8	Impact resistance			Gripping-lugs; the facility is given in Fig. 9; 168h to 150°C; the weight 300 g; the height 300 mm													N	
				Gripping-lugs; the facility is given in Fig. 9; 72h to -15°C; the weight 300 g; the height 300 mm													N	
8.11.2.2	Resistance to abnormal heat and fire			parts of insulating materials; glow-wire 960°C; to item a) of sub-clause 8.11.2.2.5													N	
				parts of insulating materials; glow-wire 650°C; to item b) of sub-clause 8.11.2.2.5													N	
8.11.2.4	Non-deterioration of insulating parts of fuse-link and fuse-base			for equipment comprising moulded elements intended to support live parts; 150°C; 168h; Breaking capacity (I_1) to Table 12A													N	
				for equipment comprising moulded elements intended to support live parts; 150°C; 168h; Breaking capacity (I_1) to Table 12A													N	
				for equipment comprising moulded elements intended to support live parts; 150°C; 168h ;Breaking capacity (I_2) to Table 12A													N	

Clause	Test sequence	Samples Nr	Requirement-Test	***Deviations: Type: PV10 gG In = 2A***					Result-Remark) Verdict	
8.1.4	Dimensions	1-3	Fig. 1(III) Size 10 x 38		Prescribed (mm)	Measured (mm)				
						Samples Nr 1	Samples Nr 2	Samples Nr 3		
				Dimension marking a	38 ± 0,6	**37.4**	**37.5**	**37.7**	**P**	
				Dimension marking b	max 10,5	**9.1**	**9**	**9.1**	**P**	
				Dimension marking c	10,3 ± 0,1	**10.2**	**10.2**	**10.2**	**P**	
				Dimension marking d	min 6	**10.2**	**10.2**	**10.2**	**P**	
				Dimension marking r	1,5 ± 0,5	**1.2**	**1.3**	**1.3**	**P**	

EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 4A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7A**	**CB** page **- 7 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7A** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test-sequence	Samples No	R_i mΩ	Test-voltage V (AC)	Test current A	cos φ	Pre-arcing time s	Operating time s	Requirement-Test	Result-Remark verdict	
6	Marking	1							The marking of the rated voltage/rated current /size discernible from the front	**P**	see page **34**
8.1.4	Dimension	1-3							Fig. 1(III) Size 10 x 38	**P**	see page **9**
8.1.5.1	Resistance (R_i)	1-23							Measuring current ≤ 0,1 I_n ; Ambient air temperature 20 ± 5°C	**P**	see page **7, 8**
8.3	Power dissipation (P_n) / / temperature rise (ΔT)	**1**	**54,0**	**10**	**4**	**-**			Tab. M and Fig. 1(III) (60269-2-1), P_n = max 3 W, Ambient air temperature: **22**°C; Conventional time **1** h	**P**	**P_n = 1,17W** **ΔT = 16K**
8.4.3.1a)	Conv. non-fusing current (I_{nf})	1	**54,0**	**10**	**6**	**-**		**> 3600**	not operate within the conventional time **1**h	**P**	
8.4.3.1b)	Conv. fusing current (I_f)	2	**49,5**	**10**	**8,4**	**-**		**1140**	operate within the conventional time **1**.h	**P**	
8.4.3.2	Rated current	3	**53,8**	**10**	**6**	**-**		**> 3600**	100 h pulse test; test current 1,05 x I_n **4,2 A** ; on **1** h/ off 0,1 x 1h, after the test conventional non-fusing current (I_{nf}) **6 A**; conventional time **1**h	**P**	
8.4.3.3.1	Gate a) I_{min} (10 s)	4	**51,3**	**10**	**7,8**	**-**	**>4200**		Testing current of Table 3, column 2; operating time > 10 s	**P**	
	„ b) I_{max} (5 s)	5	**52,0**	**200**	**18,5**	**-**	**0,062**		„ „ „ 3, „ 3 operate within ≤ 5 s	**P**	
	„ c) I_{min} (0,1 s)	6	**51,0**	**200**	**14**	**-**	**0,144**		„ „ „ 3, „ 4 operating time > 0,1 s	**P**	
	„ d) I_{max} (0,1 s)	7	**51,5**	**200**	**47**	**-**	**0,008**		„ „ „ 3, „ 5 operate within ≤ 0,1 s	**P**	
8.4.3.4	Overload	8	**50,8**	**10**	**8,6**	**-**	**390**		50 pulses; test current equal to 0,8 x **10,8** A stated for a pre-arcing time of 5 s	**P**	
		9	**52,0**	**10**	**8,6**	**-**	**420**		on - 5 s / off - 0,2 x **1** h of the conventional time; current **8,6** A equal to	**P**	
		10	**53,0**	**10**	**8,6**	**-**	**360**		current for the overload test; pre-arcing time of sample lies within stated zone	**P**	
8.4.3.6	Indicating devices	-	-						Operation of indicating device verified in combination with the verification of breaking capacity I_1 to I_5 (8.5.5)	**N**	

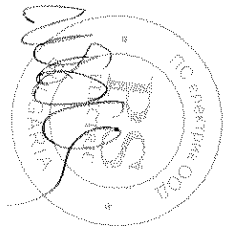
EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 4A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7A**	**CB** page **- 8 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7A** **Checked by: J,. Hlavatý** **Dated:03.08.07**

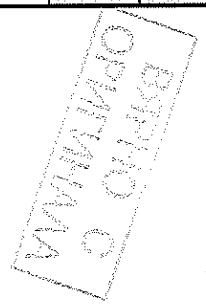
Clause	Test sequence	Sample No	R_i mΩ	Test-voltage V (AC)	Test-current kA	cos φ	Making angle after voltage zero (U_0)	i_D kA	i_S kA	Peak arc voltage V	Initiation of arcing after voltage zero (U_0)	Pre-arcing time ms	Operating time ms	Pre-arcing I^2t A^2s	Operating I^2t A^2s	Osz No	Result-Remark Resistance between fuse-link contacts measured after each test. **Test voltage DC 500 V Resistance >1000 MΩ** Verdict	Remark
8.5 No	Breaking capacity (I_1)	11	55,0	558	125	0,16	84	0,802		1104	85	0,03	0,04			27DS041	P	∞ MΩ
		12	54,5	558	125	0,16	83	0,591		1104	84	0,03	0,04			27DS042	P	∞ MΩ
		13	54,0	558	125	0,16	46	0,627		1100	46	0,01	0,04			27DS043	P	∞ MΩ
8.5 No 2	Breaking capacity (I_2)	14	52,5	552	0,124	0,26	0		0,122	2416	69	3,90	6,67			98527	P	∞ MΩ
		15	52,2	560	0,124	0,26	0		0,121	2404	69	3,87	6,87			98528	P	∞ MΩ
		16	52,0	552	0,124	0,26	1		0,121	2528	72	3,97	6,70			98529	P	∞ MΩ
8.5 N0 3	Breaking capacity (I_3)	17	52,0	552	0,026	0,38							0,037 s				P	∞ MΩ
8.5 No 4	Breaking capacity (I_4)	18	52,5	560	0,020	0,40							0,070 s				P	∞ MΩ
8.5 No 5	Breaking capacity (I_5)	19	52,0	556	0,012	0,41							0,480 s				P	∞ MΩ
8.7.4	Overcurrent discrimination(I^2t-Wert)	20	53,8	288	0,034	0,29	3							19,27		98648	P	∞ MΩ
		21	54,0	288	0,034	0,29	1							17,66		98649	P	∞ MΩ
		22	50,0	328	0,130	0,27	5								24,91	98661	P	∞ MΩ
		23	53,3	328	0,130	0,27	4								26,15	98662	P	∞ MΩ
8.9.2	Resistance to heat			Gripping-lugs; to 80°C; 2h; then loaded with 150% rated current; tensile force F_{max} (Table J) .....N													N	
8.11.1.8	Impact resistance			Gripping-lugs; the facility is given in Fig. 9; 168h to 150°C; the weight 300 g; the height 300 mm													N	
				Gripping-lugs; the facility is given in Fig. 9; 72h to -15°C; the weight 300 g; the height 300 mm													N	
8.11.2.2	Resistance to abnormal heat and fire			parts of insulating materials; glow-wire 960°C; to item a) of sub-clause 8.11.2.2.5													N	
				parts of insulating materials; glow-wire 650°C; to item b) of sub-clause 8.11.2.2.5													N	
8.11.2.4	Non-deterioration of insulating parts of fuse-link and fuse-base			for equipment comprising moulded elements intended to support live parts; 150°C; 168h; Breaking capacity (I_1) to Table 12A													N	
				for equipment comprising moulded elements intended to support live parts; 150°C; 168h; Breaking capacity (I_1) to Table 12A													N	
				for equipment comprising moulded elements intended to support live parts; 150°C; 168h ;Breaking capacity (I_2) to Table 12A													N	

Clause	Test sequence	Samples Nr	Requirement-Test	***Deviations: Type: PV10 In = 4A***					Result-Remark) Verdict	
8.1.4	Dimensions	1-3	Fig. 1(III) Size 10 x 38		Prescribed (mm)	Measured (mm)				
						Samples Nr 1	Samples Nr 2	Samples Nr 3		
				Dimension marking a	38 ± 0,6	**37.5**	**37.5**	**37.7**	**P**	
				Dimension marking b	max 10,5	**9.1**	**9.4**	**9.1**	**P**	
				Dimension marking c	10,3 ± 0,1	**10.2**	**10.2**	**10.2**	**P**	
				Dimension marking d	min 6	**10.2**	**10.2**	**10.2**	**P**	
				Dimension marking r	1,5 ± 0,5	**1.2**	**1.2**	**1.3**	**P**	

EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 6A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7A**	**CB** page **- 10 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7A** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test-sequence	Samples No	R_i mΩ	Test-voltage V (AC)	Test current A	cos φ	Pre-arcing time s	Operating time s	Requirement-Test	Result-Remark verdict	
6	Marking	1							The marking of the rated voltage/rated current /size discernible from the front	**P**	see page **34**
8.1.4	Dimension	1-3							Fig. 1(III) Size 10 x 38	**P**	see page **12**
8.1.5.1	Resistance (R_i)	1-23							Measuring current ≤ 0,1 I_n ; Ambient air temperature 20 ± 5°C	**P**	see page **10, 11**
8.3	Power dissipation (P_n) / / temperature rise (ΔT)	1	**23,3**	**10**	**6**	-			Tab. M and Fig. 1(III) (60269-2-1), P_n = max 3 W, Ambient air temperature: **20**°C; Conventional time **1** h	**P**	**P_n = 0,88W** **ΔT = 13K**
8.4.3.1a)	Conv. non-fusing current (I_{nf})	1	**23,3**	**10**	**9**	-		**> 3600**	not operate within the conventional time 1h	**P**	
8.4.3.1b)	Conv. fusing current (I_f)	2	**19,0**	**10**	**11,4**	-		**780**	operate within the conventional time **1**.h	**P**	
8.4.3.2	Rated current	3	**20,0**	**10**	**9**	-		**> 3600**	100 h pulse test; test current 1,05 x I_n **6,3A** ; on **1** h/ off 0,1 x 1h, after the test conventional non-fusing current (I_{nf}) **9 A**; conventional time **1**h	**P**	
8.4.3.3.1	Gate a) I_{min} (10 s)	4	**19,0**	**10**	**11**	-	**>4200**		Testing current of Table 3, column 2; operating time > 10 s	**P**	
	„ b) I_{max} (5 s)	5	**19,0**	**200**	**28**	-	**0,86**		„ „ „ 3, „ 3 operate within ≤ 5 s	**P**	
	„ c) I_{min} (0,1 s)	6	**19,2**	**200**	**26**	-	**1,18**		„ „ „ 3, „ 4 operating time > 0,1 s	**P**	
	„ d) I_{max} (0,1 s)	7	**19,3**	**200**	**72**	-	**0,015**		„ „ „ 3, „ 5 operate within ≤ 0,1 s	**P**	
8.4.3.4	Overload	8	**19,3**	**10**	**16,0**	-	**40**		50 pulses; test current equal to 0,8 x **20** A stated for a pre-arcing time of 5 s	**P**	
		9	**19,7**	**10**	**16,0**	-	**38**		on - 5 s / off - 0,2 x **1** h of the conventional time; current **16,0** A equal to	**P**	
		10	**19,8**	**10**	**16,0**	-	**42**		current for the overload test; pre-arcing time of sample lies within stated zone	**P**	
8.4.3.6	Indicating devices	-	-						Operation of indicating device verified in combination with the verification of breaking capacity I_1 to I_5 (8.5.5)	**N**	





EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 6A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7A**	**CB** page **- 11 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7A** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test sequence	Sample No	R_i mΩ	Test-voltage V (AC)	Test-current kA	cos φ	Making angle after voltage zero (U_0)	i_D kA	i_S kA	Peak arc voltage V	Initiation of arcing after voltage zero (U_0)	Pre-arcing time ms	Operating time ms	Pre-arcing I^2t A^2s	Operating I^2t A^2s	Osz No	Result-Remark Resistance between fuse-link contacts measured after each test. **Test voltage DC 500 V** **Resistance >1000 MΩ** Verdict	Remark
8.5 No	Breaking capacity (I_1)	**11**	**19,3**	**558**	**125**	**0,16**	**46**	**1,592**		**803**	**46**	**0,01**	**4,60**			**27DS038**	**P**	**∞ MΩ**
		12	**19,3**	**558**	**125**	**0,16**	**84**	**1,859**		**1167**	**85**	**0,03**	**2,74**			**27DS039**	**P**	**∞ MΩ**
		13	**19,5**	**558**	**125**	**0,16**	**84**	**1,788**		**929**	**84**	**0,02**	**2,42**			**27DS040**	**P**	**∞ MΩ**
8.5 No 2	Breaking capacity (I_2)	**14**	**19,7**	**552**	**0,210**	**0,27**	**1**		**0,209**	**1408**	**73**	**4,13**	**8,80**			**98519**	**P**	**∞ MΩ**
		15	**19,7**	**552**	**0,210**	**0,27**	**0**		**0,190**	**1400**	**71**	**4,00**	**8,90**			**98520**	**P**	**∞ MΩ**
		16	**19,7**	**552**	**0,210**	**0,27**	**0**		**0,211**	**1272**	**70**	**3,93**	**9,23**			**98521**	**P**	**∞ MΩ**
8.5 N0 3	Breaking capacity (I_3)	**17**	**19,3**	**552**	**0,036**	**0,37**							**0,191s**				**P**	**∞ MΩ**
8.5 No 4	Breaking capacity (I_4)	**18**	**19,7**	**552**	**0,026**	**0,38**							**0,988 s**				**P**	**∞ MΩ**
8.5 No 5	Breaking capacity (I_5)	**19**	**19,3**	**552**	**0,015**	**0,4**							**43,3s**				**P**	**∞ MΩ**
8.7.4	Overcurrent discrimination(I^2t-Wert)	**20**	**20,0**	**328**	**0,066**	**0,25**	**5**							**51,04**		**98653**	**P**	**∞ MΩ**
		21	**20,8**	**328**	**0,066**	**0,25**	**2**							**53,49**		**98654**	**P**	**∞ MΩ**
		22	**18,8**	**328**	**0,221**	**0,23**	**8**								**72,02**	**98671**	**P**	**∞ MΩ**
		23	**18,8**	**328**	**0,221**	**0,23**	**7**								**69,08**	**98672**	**P**	**∞ MΩ**
8.9.2	Resistance to heat			Gripping-lugs; to 80°C; 2h, then loaded with 150% rated current; tensile force F_{max} (Table J) .....N													**N**	
8.11.1.8	Impact resistance			Gripping-lugs; the facility is given in Fig. 9; 168h to 150°C; the weight 300 g; the height 300 mm													**N**	
				Gripping-lugs; the facility is given in Fig. 9; 72h to -15°C; the weight 300 g; the height 300 mm													**N**	
8.11.2.2	Resistance to abnormal heat and fire			parts of insulating materials; glow-wire 960°C; to item a) of sub-clause 8.11.2.2.5													**N**	
				parts of insulating materials; glow-wire 650°C; to item b) of sub-clause 8.11.2.2.5													**N**	
8.11.2.4	Non-deterioration of insulating parts of fuse-link and fuse-base			for equipment comprising moulded elements intended to support live parts; 150°C; 168h; Breaking capacity (I_1) to Table 12A													**N**	
				for equipment comprising moulded elements intended to support live parts; 150°C; 168h; Breaking capacity (I_1) to Table 12A													**N**	
				for equipment comprising moulded elements intended to support live parts; 150°C; 168h ;Breaking capacity (I_2) to Table 12A													**N**	

EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 6A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7A**	**CB** page **- 12 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7A** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test sequence	Samples Nr	Requirement-Test	***Deviations: Type: PV10 In = 6A***					Result-Remark) Verdict	
8.1.4	Dimensions	1-3	Fig. 1(III) Size 10 x 38		Prescribed (mm)	Measured (mm)				
						Samples Nr 1	Samples Nr 2	Samples Nr 3		
				Dimension marking a	38 ± 0,6	**37.6**	**37.5**	**37.7**	**P**	
				Dimension marking b	max 10,5	**9.2**	**9.4**	**9.1**	**P**	
				Dimension marking c	10,3 ± 0,1	**10.2**	**10.3**	**10.2**	**P**	
				Dimension marking d	min 6	**10.2**	**10.3**	**10.2**	**P**	
				Dimension marking r	1,5 ± 0,5	**1.2**	**1.2**	**1.3**	**P**	

EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 8A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7B**	**CB** page **- 13 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7B** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test-sequence	Samples No	R_i mΩ	Test-voltage V (AC)	Test current A	cos φ	Pre-arcing time s	Operating time s	Requirement-Test	Result-Remark verdict	
6	Marking	1							The marking of the rated voltage/rated current /size discernible from the front	**P**	see page **34**
8.1.4	Dimension	1-3							Fig. 1(III) Size 10 x 38	**P**	see page **15**
8.1.5.1	Resistance (R_i)	1-23							Measuring current ≤ 0,1 I_n ; Ambient air temperature 20 ± 5°C	**P**	see page **13, 14**
8.3	Power dissipation (P_n) / / temperature rise (ΔT)	1	**13,6**	**10**	**8,0**	-			Tab. M and Fig. 1(III) (60269-2-1), P_n = max 3 W, Ambient air temperature: **20**°C; Conventional time **1** h	**P**	**P_n = 1,04W** **ΔT = 18K**
8.4.3.1a)	Conv. non-fusing current (I_{nf})	1	**13,6**	**10**	**12,0**	-		**> 3600**	not operate within the conventional time **1**h	**P**	
8.4.3.1b)	Conv. fusing current (I_f)	2	**12,5**	**10**	**15,2**	-		**840**	operate within the conventional time **1**.h	**P**	
8.4.3.2	Rated current	3	**13,1**	**10**	**12**	-		**> 3600**	100 h pulse test; test current 1,05 x I_n **8,4A** ; on **1** h/ off 0,1 x **1**h, after the test conventional non-fusing current (I_{nf}) **12 A**; conventional time **1**h	**P**	
8.4.3.3.1	Gate a) I_{min} (10 s)	4	**12,8**	**10**	**16,0**	-	**600**		Testing current of Table 3, column 2; operating time > 10 s	**P**	
	„ b) I_{max} (5 s)	5	**12,9**	**200**	**35,2**	-	**1,91**		„ „ „ 3, „ 3 operate within ≤ 5 s	**P**	
	„ c) I_{min} (0,1 s)	6	**13,0**	**200**	**41,6**	-	**0,61**		„ „ „ 3, „ 4 operating time > 0,1 s	**P**	
	„ d) I_{max} (0,1 s)	7	**12,8**	**200**	**92,0**	-	**0,013**		„ „ „ 3, „ 5 operate within ≤ 0,1 s	**P**	
8.4.3.4	Overload	8	**12,8**	**10**	**25,0**	-	**20**		50 pulses; test current equal to 0,8 x **31** A stated for a pre-arcing time of 5 s	**P**	
		9	**13,3**	**10**	**25,0**	-	**18**		on - 5 s / off - 0,2 x **1** h of the conventional time; current **25** A equal to	**P**	
		10	**13,5**	**10**	**25,0**	-	**24**		current for the overload test; pre-arcing time of sample lies within stated zone	**P**	
8.4.3.6	Indicating devices	-	-						Operation of indicating device verified in combination with the verification of breaking capacity I_1 to I_5 (8.5.5)	**N**	

EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 8A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7B**	**CB** page **- 14 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7B** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test sequence	Sample No	R_i mΩ	Test-voltage V (AC)	Test-current kA	cos φ	Making angle after voltage zero (U_0)	i_D kA	i_S kA	Peak arc voltage V	Initiation of arcing after voltage zero (U_0)	Pre-arcing time ms	Operating time ms	Pre-arcing I^2t A^2s	Operating I^2t A^2s	Osz No	Result-Remark Resistance between fuse-link contacts measured after each test. **Test voltage DC 500 V Resistance >1000 MΩ** Verdict	Remark
8.5 No 1	Breaking capacity (I_1)	**11**	**13,3**	**562**	**125**	**0,16**	**84**	**2,059**		**1217**	**85**	**0,04**	**2,77**			**27DS035**	**P**	**∞ MΩ**
		12	**13,3**	**558**	**125**	**0,16**	**83**	**2,059**		**1217**	**84**	**0,04**	**2,11**			**27DS036**	**P**	**∞ MΩ**
		13	**13,4**	**558**	**125**	**0,16**	**46**	**1,392**		**1029**	**46**	**0,01**	**3,89**			**27DS037**	**P**	**∞ MΩ**
8.7.4	Overcurrent discrimination(I^2t-Wert)	**14**	**13,5**	**328**	**0,096**	**0,23**	**4**							**69,63**		**98658**	**P**	**∞ MΩ**
		15	**13,6**	**328**	**0,096**	**0,23**	**0**							**69,99**		**98659**	**P**	**∞ MΩ**
		16	**12,6**	**328**	**0,315**	**0,24**	**4**								**93,50**	**98679**	**P**	**∞ MΩ**
		17	**12,6**	**328**	**0,315**	**0,24**	**10**								**96,98**	**98680**	**P**	**∞ MΩ**

Clause	Test sequence	Samples Nr	Requirement-Test	***Deviations: Type: PV10 In = 8A***					Result-Remark) Verdict	
8.1.4	Dimensions	1-3	Fig. 1(III) Size 10 x 38		Prescribed (mm)	Measured (mm)				
						Samples Nr 1	Samples Nr 2	Samples Nr 3		
				Dimension marking a	38 ± 0,6	**37.6**	**37.6**	**37.7**	**P**	
				Dimension marking b	max 10,5	**9.2**	**9.4**	**9.1**	**P**	
				Dimension marking c	10,3 ± 0,1	**10.2**	**10.2**	**10.3**	**P**	
				Dimension marking d	min 6	**10.2**	**10.2**	**10.3**	**P**	
				Dimension marking r	1,5 ± 0,5	**1.2**	**1.2**	**1.3**	**P**	

	Type of fuse: **HRC-fuse ; Type PV10 gG ; 10A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7C**	**CB** page **- 16 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7C** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test-sequence	Samples No	R_i mΩ	Test-voltage V (AC)	Test current A	cos φ	Pre-arcing time s	Operating time s	Requirement-Test	Result-Remark verdict	
6	Marking	1							The marking of the rated voltage/rated current /size discernible from the front	**P**	see page **34**
8.1.4	Dimension	1-3							Fig. 1(III) Size 10 x 38	**P**	see page **18**
8.1.5.1	Resistance (R_i)	1-11							Measuring current ≤ 0,1 I_n ; Ambient air temperature 20 ± 5°C	**P**	see page **16, 17**
8.3	Power dissipation (P_n) / / temperature rise (ΔT)	1	**10,4**	**10**	**10**	-			Tab. M and Fig. 1(III) (60269-2-1), P_n = max 3 W, Ambient air temperature: **20**°C; Conventional time **1** h	**P**	**P_n = 1,29W** **ΔT = 20K**
8.4.3.1a)	Conv. non-fusing current (I_{nf})	1	**10,4**	**10**	**15**	-		**> 3600**	not operate within the conventional time 1h	**P**	
8.4.3.1b)	Conv. fusing current (I_f)	2	**9,45**	**10**	**19**	-		**600**	operate within the conventional time **1**.h	**P**	
8.4.3.2	Rated current	3	**10,2**	**10**	**15**	-		**> 3600**	100 h pulse test; test current 1,05 x I_n **10,5A** ; on **1** h/ off 0,1 x 1h, after the test conventional non-fusing current (I_{nf}) **15 A**; conventional time 1h	**P**	
8.4.3.3.1	Gate a) I_{min} (10 s)	4	**9,80**	**10**	**22**	-	**208**		Testing current of Table 3, column 2; operating time > 10 s	**P**	
	„ b) I_{max} (5 s)	5	**9,90**	**200**	**46**	-	**0,83**		„ „ „ 3, „ 3 operate within ≤ 5 s	**P**	
	„ c) I_{min} (0,1 s)	6	**9,75**	**200**	**58**	-	**0,22**		„ „ „ 3, „ 4 operating time > 0,1 s	**P**	
	„ d) I_{max} (0,1 s)	7	**9,75**	**200**	**110**	-	**0,023**		„ „ „ 3, „ 5 operate within ≤ 0,1 s	**P**	

	Type of fuse: **HRC-fuse ; Type PV10 gG ; 10A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7C**	**CB** page **- 17 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7C** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test sequence	Sample No	R_i mΩ	Test-voltage V (AC)	Test-current kA	cos φ	Making angle after voltage zero (U_0)	i_D kA	i_S kA	Peak arc voltage V	Initiation of arcing after voltage zero (U_0)	Pre-arcing time ms	Operating time ms	Pre-arcing I^2t A^2s	Operating I^2t A^2s	Osz No	Result-Remark Resistance between fuse-link contacts measured after each test. **Test voltage DC 500 V** **Resistance >1000 MΩ** Verdict	Remark
8.7.4	Overcurrent discrimination(I^2t-Wert)	**8**	**10,4**	**328**	**0,130**	**0,27**	**3**							**121,86**		**98663**	**P**	**∞ MΩ**
		9	**10,4**	**328**	**0,130**	**0,27**	**2**							**123,57**		**98664**	**P**	**∞ MΩ**
		10	**9,60**	**328**	**0,404**	**0,25**	**8**								**175,38**	**98682**	**P**	**∞ MΩ**
		11	**9,65**	**320**	**0,404**	**0,25**	**7**								**178,13**	**98683**	**P**	**∞ MΩ**

	Type of fuse: **HRC-fuse ; Type PV10 gG ; 10A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7C**	**CB** page **- 18 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7C** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test sequence	Samples Nr	Requirement-Test	*Deviations: Type: PV10 In = 10A*					Result-Remark) Verdict	
8.1.4	Dimensions	1-3	Fig. 1(III) Size 10 x 38		Prescribed (mm)	Measured (mm)				
						Samples Nr 1	Samples Nr 2	Samples Nr 3		
				Dimension marking a	38 ± 0,6	**37.6**	**37.6**	**37.7**	**P**	
				Dimension marking b	max 10,5	**9.2**	**9.4**	**9.2**	**P**	
				Dimension marking c	10,3 ± 0,1	**10.2**	**10.3**	**10.2**	**P**	
				Dimension marking d	min 6	**10.2**	**10.3**	**10.2**	**P**	
				Dimension marking r	1,5 ± 0,5	**1.2**	**1.2**	**1.3**	**P**	

EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 12A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7A**	**CB** page **- 19 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7A** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test-sequence	Samples No	R_i mΩ	Test-voltage V (AC)	Test current A	cos φ	Pre-arcing time s	Operating time s	Requirement-Test	Result-Remark verdict	
6	Marking	1							The marking of the rated voltage/rated current /size discernible from the front	**P**	see page **34**
8.1.4	Dimension	1-3							Fig. 1(III) Size 10 x 38	**P**	see page **21**
8.1.5.1	Resistance (R_i)	1-23							Measuring current ≤ 0,1 I_n ; Ambient air temperature 20 ± 5°C	**P**	see page **19, 20**
8.3	Power dissipation (P_n) / / temperature rise (ΔT)	1	**8,04**	**10**	**12,0**	**-**			Tab. M and Fig. 1(III) (60269-2-1), P_n = max 3 W, Ambient air temperature: **20**°C; Conventional time **1** h	**P**	**P_n = 1,48k W** **ΔT = 23K**
8.4.3.1a)	Conv. non-fusing current (I_{nf})	1	**8,04**	**10**	**18,0**	**-**		**> 3600**	not operate within the conventional time 1h	**P**	
8.4.3.1b)	Conv. fusing current (I_f)	2	**7,17**	**10**	**22,8**	**-**		**480**	operate within the conventional time **1**.h	**P**	
8.4.3.2	Rated current	3	**7,83**	**10**	**18**	**-**		**> 3600**	100 h pulse test; test current 1,05 x I_n **12,6A** ; on 1 h/ off 0,1 x **1**h, after the test conventional non-fusing current (I_{nf}) **18 A**; conventional time 1h	**P**	
8.4.3.3.1	Gate a) I_{min} (10 s)	4	**7,54**	**10**	**24**	**-**	**193**		Testing current of Table 3, column 2; operating time > 10 s	**P**	
	„ b) I_{max} (5 s)	5	**8,04**	**200**	**55,2**	**-**	**1,18**		„ „ „ 3, „ 3 operate within ≤ 5 s	**P**	
	„ c) I_{min} (0,1 s)	6	**7,25**	**200**	**69,6**	**-**	**0,316**		„ „ „ 3, „ 4 operating time > 0,1 s	**P**	
	„ d) I_{max} (0,1 s)	7	**7,71**	**200**	**140,4**	**-**	**0,021**		„ „ „ 3, „ 5 operate within ≤ 0,1 s	**P**	
8.4.3.4	Overload	8	**7,33**	**10**	**36,0**	**-**	**22**		50 pulses; test current equal to 0,8 x **45** A stated for a pre-arcing time of 5 s	**P**	
		9	**7,50**	**10**	**36,0**	**-**	**20**		on - 5 s / off - 0,2 x **1** h of the conventional time; current **36** A equal to	**P**	
		10	**7,67**	**10**	**36,0**	**-**	**23**		current for the overload test; pre-arcing time of sample lies within stated zone	**P**	
8.4.3.6	Indicating devices	-	-						Operation of indicating device verified in combination with the verification of breaking capacity I_1 to I_5 (8.5.5)	**N**	

EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 12A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7A**	**CB** page **- 20 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7A** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test sequence	Sample No	R_i mΩ	Test-voltage V (AC)	Test-current kA	cos φ	Making angle after voltage zero (U_0)	i_D kA	i_S kA	Peak arc voltage V	Initiation of arcing after voltage zero (U_0)	Pre-arcing time ms	Operating time ms	Pre-arcing I^2t A^2s	Operating I^2t A^2s	Osz No	Result-Remark Resistance between fuse-link contacts measured after each test. **Test voltage DC 500 V Resistance >1000 MΩ** Verdict	Remark
8.5 No 1	Breaking capacity (I_1)	**11**	**7,33**	**558**	**125**	**0,16**	**48**	**2,647**		**1067**	**49**	**0,06**	**4,94**			**27DS031**	**P**	**∞ MΩ**
		12	**7,33**	**558**	**125**	**0,16**	**86**	**3,039**		**1406**	**87**	**0,04**	**3,06**			**27DS032**	**P**	**∞ MΩ**
		13	**7,33**	**558**	**125**	**0,16**	**85**	**3,000**		**1343**	**86**	**0,04**	**3,18**			**27DS033**	**P**	**∞ MΩ**
8.5 No 2	Breaking capacity (I_2)	**14**	**7,58**	**560**	**0,471**	**0,27**	**0**		**0,462**	**1520**	**62**	**3,47**	**8,63**			**98503**	**P**	**∞ MΩ**
		15	**7,58**	**560**	**0,471**	**0,27**	**1**		**0,472**	**1544**	**61**	**3,50**	**8,47**			**98504**	**P**	**∞ MΩ**
		16	**7,54**	**560**	**0,471**	**0,27**	**1**		**0,462**	**1504**	**59**	**3,37**	**8,57**			**98505**	**P**	**∞ MΩ**
8.5 N0 3	Breaking capacity (I_3)	**17**	**7,83**	**552**	**0,074**	**0,4**							**0,231 s**				**P**	**∞ MΩ**
8.5 No 4	Breaking capacity (I_4)	**18**	**7,29**	**552**	**0,050**	**0,48**							**1,78 s**				**P**	**∞ MΩ**
8.5 No 5	Breaking capacity(I_5)	**19**	**7,29**	**556**	**0,032**	**0,38**							**30,4 s**				**P**	**∞ MΩ**
8.7.4	Overcurrent discrimination(I^2t-Wert)	**20**	**7,88**	**328**	**0,175**	**0,26**	**5**							**220,17**		**98668**	**P**	**∞ MΩ**
		21	**7,83**	**320**	**0,175**	**0,26**	**0**							**220,73**		**98669**	**P**	**∞ MΩ**
		22	**7,21**	**328**	**0,451**	**0,25**	**11**								**316,63**	**98689**	**P**	**∞ MΩ**
		23	**7,21**	**328**	**0,451**	**0,25**	**6**								**315,05**	**98690**	**P**	**∞ MΩ**
8.9.2	Resistance to heat			Gripping-lugs; to 80°C; 2h, then loaded with 150% rated current; tensile force F_{max} (Table J) .....N													**N**	
8.11.1.8	Impact resistance			Gripping-lugs; the facility is given in Fig. 9; 168h to 150°C; the weight 300 g; the height 300 mm													**N**	
				Gripping-lugs; the facility is given in Fig. 9; 72h to -15°C; the weight 300 g; the height 300 mm													**N**	
8.11.2.2	Resistance to abnormal heat and fire			parts of insulating materials; glow-wire 960°C; to item a) of sub-clause 8.11.2.2.5													**N**	
				parts of insulating materials; glow-wire 650°C; to item b) of sub-clause 8.11.2.2.5													**N**	
8.11.2.4	Non-deterioration of insulating parts of fuse-link and fuse-base			for equipment comprising moulded elements intended to support live parts; 150°C; 168h; Breaking capacity (I_1) to Table 12A													**N**	
				for equipment comprising moulded elements intended to support live parts; 150°C; 168h; Breaking capacity (I_1) to Table 12A													**N**	
				for equipment comprising moulded elements intended to support live parts; 150°C; 168h ;Breaking capacity (I_2) to Table 12A													**N**	

EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 12A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7A**	**CB** page **- 21 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7A** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test sequence	Samples Nr	Requirement-Test	***Deviations: Type: PV10 In = 12A***					Result-Remark) Verdict	
8.1.4	Dimensions	1-3	Fig. 1(III) Size 10 x 38		Prescribed (mm)	Measured (mm)				
						Samples Nr 1	Samples Nr 2	Samples Nr 3		
				Dimension marking a	38 ± 0,6	**37.7**	**37.6**	**37.6**	**P**	
				Dimension marking b	max 10,5	**9.5**	**9.4**	**9.2**	**P**	
				Dimension marking c	10,3 ± 0,1	**10.2**	**10.3**	**10.3**	**P**	
				Dimension marking d	min 6	**10.2**	**10.3**	**10.3**	**P**	
				Dimension marking r	1,5 ± 0,5	**1.3**	**1.2**	**1.3**	**P**	

EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 16A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7B**	**CB** page **- 22 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7B** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test sequence	Samples Nr	R_i mΩ	Test-voltage V (AC)	Test-current A	cosφ	Pre-arcing time s	Operating time s	Requirement-Test	Result-Remark) Verdict	
6	Marking	1							The marking of the rated voltage/rated current /size discernible from the front	**P**	see page **34**
8.1.4	Dimension	1-3							Fig. 1(III) Size 10 x 38	**P**	see page **24**
8.1.5.1	Resistance (R_i)	1-17							Measuring current ≤ 0,1 I_n ; Ambient air temperature 20 ± 5°C	**P**	see page **22 , 23**
8.3	Power dissipation (P_n) / / temperature rise (ΔT)	1	**5,69**	**10**	**16**	-			Tab. M and Fig. 1(III) (60269-2-1), P_n = max 3 W, Ambient air temperature: **24**°C; Conventional time **1** h	**P**	**P_n =1,86W** **ΔT = 25K**
8.4.3.1a)	Conv. non-fusing current (I_{nf})	1	**5,69**	**10**	**20**	-		**> 3600**	not operate within the conventional time **1** h	**P**	
8.4.3.1b)	Conv. fusing current (I_f)	2	**5,25**	**10**	**25,6**	-		**780**	operate within the conventional time **1** h	**P**	
8.4.3.2	Rated current	3	**5,63**	**10**	**20**	-		**> 3600**	100 h pulse test; test current 1,05 x I_n, **16,8 A**; on **1** h/ off 0,1 x **1** h, after the test conventional non-fusing current (I_{nf}) **20**A; conventional time **1** h	**P**	
8.4.3.3.2	Gate a) I_{min} (10 s)	4	**5,47**	**10**	**33**	-	**87**		Testing current of Table 3, column 2; operating time > 10 s	**P**	
	„ b) I_{max} (5 s)	5	**5,44**	**200**	**65**	-	**2,05**		„ „ „ 3, „ 3 operate within ≤ 5 s	**P**	
	„ c) I_{min} (0,1 s)	6	**5,56**	**200**	**85**	-	**0,52**		„ „ „ 3, „ 4 operating time > 0,1 s	**P**	
	„ d) I_{max} (0,1 s)	7	**5,53**	**200**	**150**	-	**0,032**		„ „ „ 3, „ 5 operate within ≤ 0,1 s	**P**	
8.4.3.4	Overload	8	**5,38**	**10**	**46,0**	-	**15**		50 pulses; test current equal to 0,8 x **57,0** A stated for a pre-arcing time of 5 s	**P**	
		9	**5,38**	**10**	**46,0**	-	**14**		on - 5 s / off - 0,2 x **1** h of the conventional time; current **46,0** A equal to	**P**	
		10	**5,42**	**10**	**46,0**	-	**16**		current for the overload test; pre-arcing time of sample lies within stated zone	**P**	
8.4.3.6	Indicating devices	-	-						Operation of indicating device verified in combination with the verification of breaking capacity I_1 to I_5 (8.5.5)	**N**	

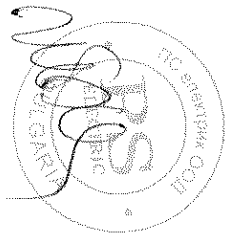
EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 16A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7B**	**CB** page **- 23 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7B** **Checked by: J,. Hlavatý** **Dated:03.08.07**

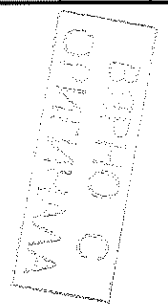
Clause	Test sequence	Sample No	R_i mΩ	Test-voltage V (AC)	Test-current kA	cos φ	Making angle after voltage zero (U_0)	i_D kA	i_S kA	Peak arc voltage V	Initiation of arcing after voltage zero (U_0)	Pre-arcing time ms	Operating time ms	Pre-arcing I^2t A^2s	Operating I^2t A^2s	Osz No	Result-Remark Resistance between fuse-link contacts measured after each test. **Test voltage DC 500 V** **Resistance >1000 MΩ** Verdict	Remark
8.5 No 1	Breaking capacity (I_1)	**11**	**5,63**	**558**	**125**	**0,16**	**85**	**3,490**		**1368**	**86**	**0,06**	**3,51**			**27DS028**	**P**	**∞ MΩ**
		12	**5,63**	**558**	**125**	**0,16**	**86**	**3,608**		**1368**	**87**	**0,06**	**3,39**			**27DS029**	**P**	**∞ MΩ**
		13	**5,75**	**558**	**125**	**0,16**	**48**	**3,294**		**1104**	**49**	**0,08**	**5,19**			**27DS030**	**P**	**∞ MΩ**
8.7.4	overcurrent discrimination (I^2t-Wert)	**14**	**5,56**	**328**	**0,278**	**0,24**	**2**							**448,24**		**99982**	**P**	**∞ MΩ**
		15	**5,56**	**320**	**0,278**	**0,24**	**0**							**429,26**		**99983**	**P**	**∞ MΩ**
		16	**5,25**	**320**	**0,544**	**0,23**	**3**								**761,03**	**99977**	**P**	**∞ MΩ**
		17	**5,31**	**320**	**0,544**	**0,23**	**5**								**752,26**	**99978**	**P**	**∞ MΩ**

Clause	Test sequence	Samples Nr	Requirement-Test	***Deviations: Type: PV10 In = 16 A***					Result-Remark) Verdict	
8.1.4	Dimensions	1-3	Fig. 1(III) Size 10 x 38		Prescribed (mm)	Measured (mm)				
						Samples Nr 1	Samples Nr 2	Samples Nr 3		
				Dimension marking a	38 ± 0,6	**37.6**	**37.5**	**37.6**	**P**	
				Dimension marking b	max 10,5	**9.5**	**9.4**	**9.3**	**P**	
				Dimension marking c	10,3 ± 0,1	**10.2**	**10.3**	**10.2**	**P**	
				Dimension marking d	min 6	**10.2**	**10.3**	**10.2**	**P**	
				Dimension marking r	1,5 ± 0,5	**1.2**	**1.2**	**1.3**	**P**	

EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 20A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7A**	**CB** page **- 25 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7A** **Checked by: J,. Hlavatý** **Dated:03.08.07**

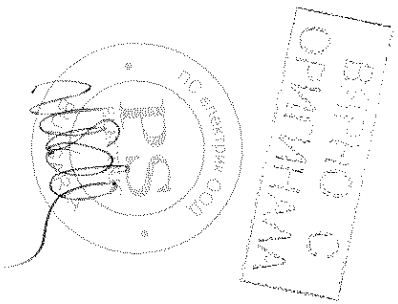
Clause	Test-sequence	Samples No	R_i mΩ	Test-voltage V (AC)	Test current A	cos φ	Pre-arcing time s	Operating time s	Requirement-Test	Result-Remark verdict	
6	Marking	1							The marking of the rated voltage/rated current /size discernible from the front	**P**	see page **34**
8.1.4	Dimension	1-3							Fig. 1(III) Size 10 x 38	**P**	see page **27**
8.1.5.1	Resistance (R_i)	1-23							Measuring current ≤ 0,1 I_n ; Ambient air temperature 20 ± 5°C	**P**	see page **25, 26**
8.3	Power dissipation (P_n) / / temperature rise (ΔT)	1	**4,33**	**10**	**20**	-			Tab. M and Fig. 1(III) (60269-2-1), P_n = max 3 W, Ambient air temperature: **24**°C; Conventional time **1** h	**P**	**P_n = 2,2 W** **ΔT = 33K**
8.4.3.1a)	Conv. non-fusing current (I_{nf})	1	**4,33**	**10**	**25**	-		**> 3600**	not operate within the conventional time **1**h	**P**	
8.4.3.1b)	Conv. fusing current (I_f)	2	**3,95**	**10**	**32**	-		**480**	operate within the conventional time **1**.h	**P**	
8.4.3.2	Rated current	3	**4,20**	**10**	**25**	-		**> 3600**	100 h pulse test; test current 1,05 x I_n **21A** ; on **1** h/ off 0,1 x **1**h, after the test conventional non-fusing current (I_{nf}) **25 A**; conventional time **1**h	**P**	
8.4.3.3.1	Gate a) I_{min} (10 s)	4	**4,18**	**10**	**42**	-	**56**		Testing current of Table 3, column 2; operating time > 10 s	**P**	
	„ b) I_{max} (5 s)	5	**3,90**	**200**	**85**	-	**2,64**		„ „ „ 3, „ 3 operate within ≤ 5 s	**P**	
	„ c) I_{min} (0,1 s)	6	**4,03**	**200**	**110**	-	**0,27**		„ „ „ 3, „ 4 operating time > 0,1 s	**P**	
	„ d) I_{max} (0,1 s)	7	**4,05**	**200**	**200**	-	**0,038**		„ „ „ 3, „ 5 operate within ≤ 0,1 s	**P**	
8.4.3.4	Overload	8	**4,00**	**10**	**56,0**	-	**15**		50 pulses; test current equal to 0,8 x **70,0** A stated for a pre-arcing time of 5 s	**P**	
		9	**4,03**	**10**	**56,0**	-	**16**		on - 5 s / off - 0,2 x **1** h of the conventional time; current **56,0** A equal to	**P**	
		10	**4,03**	**10**	**56,0**	-	**15**		current for the overload test; pre-arcing time of sample lies within stated zone	**P**	
8.4.3.6	Indicating devices	-	-						Operation of indicating device verified in combination with the verification of breaking capacity I_1 to I_5 (8.5.5)	**N**	





Clause	Test sequence	Sample No	R_i mΩ	Test-voltage V (AC)	Test-current kA	cos φ	Making angle after voltage zero (U_0)	i_D kA	i_S kA	Peak arc voltage V	Initiation of arcing after voltage zero (U_0)	Pre-arcing time ms	Operating time ms	Pre-arcing I^2t A^2s	Operating I^2t A^2s	Osz No	Result-Remark Verdict	Remark
8.5 No 1	Breaking capacity (I_1)	11	3,90	558	125	0,16	48	4,157		1155	50	0,09	4,68			27DS025	P	∞ MΩ
		12	3,90	558	125	0,16	87	4,628		1443	88	0,08	2,19			27DS026	P	∞ MΩ
		13	3,95	558	125	0,16	85	4,588		1418	86	0,07	2,58			27DS027	P	∞ MΩ
8.5 No 2	Breaking capacity (I_2)	14	3,98	560	0,993	0,24	0		0,908	1384	68	3,80	7,70			99989	P	∞ MΩ
		15	3,98	560	0,993	0,24	3		0,896	1328	68	3,63	7,37			99990	P	∞ MΩ
		16	4,00	560	0,993	0,24	4		0,900	1272	69	3,63	7,70			99991	P	∞ MΩ
8.5 N0 3	Breaking capacity (I_3)	17	4,03	560	0,117	0,43							0,221 s				P	∞ MΩ
8.5 No 4	Breaking capacity (I_4)	18	4,10	552	0,075	0,4							1,54 s				P	∞ MΩ
8.5 No 5	Breaking capacity(I_5)	19	4,18	558	0,044	0,38							59,3 s				P	∞ MΩ
8.7.4	Overcurrent discrimination(I^2t-Wert)	20	4,00	320	0,408	0,24	1							740,98		99980	P	∞ MΩ
		21	4,03	320	0,408	0,24	4							748,83		99981	P	∞ MΩ
		22	3,95	344	0,793	0,28	6								1263,84	99972	P	∞ MΩ
		23	4,00	336	0,793	0,28	5								1236,53	99973	P	∞ MΩ
8.9.2	Resistance to heat			Gripping-lugs; to 80°C; 2h, then loaded with 150% rated current; tensile force F_{max} (Table J) .....N													N	
8.11.1.8	Impact resistance			Gripping-lugs; the facility is given in Fig. 9; 168h to 150°C; the weight 300 g; the height 300 mm													N	
				Gripping-lugs; the facility is given in Fig. 9; 72h to -15°C; the weight 300 g; the height 300 mm													N	
8.11.2.2	Resistance to abnormal heat and fire			parts of insulating materials; glow-wire 960°C; to item a) of sub-clause 8.11.2.2.5													N	
				parts of insulating materials; glow-wire 650°C; to item b) of sub-clause 8.11.2.2.5													N	
8.11.2.4	Non-deterioration of insulating parts of fuse-link and fuse-base			for equipment comprising moulded elements intended to support live parts; 150°C; 168h; Breaking capacity (I_1) to Table 12A													N	
				for equipment comprising moulded elements intended to support live parts; 150°C; 168h; Breaking capacity (I_1) to Table 12A													N	
				for equipment comprising moulded elements intended to support live parts; 150°C; 168h ;Breaking capacity (I_2) to Table 12A													N	

Clause	Test sequence	Samples Nr	Requirement-Test	***Deviations: Type: PV10 In = 20 A***					Result-Remark) Verdict	
8.1.4	Dimensions	1-3	Fig. 1(III) Size 10 x 38		Prescribed (mm)	Measured (mm)				
						Samples Nr 1	Samples Nr 2	Samples Nr 3		
				Dimension marking a	38 ± 0,6	**37.6**	**37.5**	**37.6**	**P**	
				Dimension marking b	max 10,5	**9.5**	**9.4**	**9.3**	**P**	
				Dimension marking c	10,3 ± 0,1	**10.2**	**10.3**	**10.2**	**P**	
				Dimension marking d	min 6	**10.2**	**10.3**	**10.2**	**P**	
				Dimension marking r	1,5 ± 0,5	**1.2**	**1.2**	**1.3**	**P**	



Clause	Test sequence	Samples Nr	R_i mΩ	Test-voltage V (AC)	Test-current A	cosφ	Pre-arcing time s	Operating time s	Requirement-Test	Result-Remark) Verdict	
6	Marking	1							The marking of the rated voltage/rated current /size discernible from the front	**P**	see page **34**
8.1.4	Dimension	1-3							Fig. 1(III) Size 10 x 38	**P**	see page **30**
8.1.5.1	Resistance (R_i)	1-20							Measuring current ≤ 0,1 I_n ; Ambient air temperature 20 ± 5°C	**P**	see page **28, 29**
8.3	Power dissipation (P_n) / / temperature rise (ΔT)	1	**3,14**	**10**	**25**	**-**			Tab. M and Fig. 1(III) (60269-2-1), P_n = max 3 W, Ambient air temperature: **24**°C; Conventional time **1** h	**P**	**P_n = 2,58W ΔT = 33K**
8.4.3.1a)	Conv. non-fusing current (I_{nf})	1	**3,14**	**10**	**31,25**	**-**		**> 3600**	not operate within the conventional time **1** h	**P**	
8.4.3.1b)	Conv. fusing current (I_f)	2	**2,9**	**10**	**40**	**-**		**1620**	operate within the conventional time **1** h	**P**	
8.4.3.2	Rated current	3	**3,60**	**10**	**31,25**	**-**		**> 3600**	100 h pulse test; test current 1,05 x I_n, **26,25 A**; on **1** h/ off 0,1 x **1** h, after the test conventional non-fusing current (I_{nf}) **31,25**; conventional time **1** h	**P**	
8.4.3.3.2	Gate a) I_{min} (10 s)	4	**3,18**	**10**	**52**	**-**	**117**		Testing current of Table 3, column 2; operating time > 10 s	**P**	
	„ b) I_{max} (5 s)	5	**3,06**	**200**	**110**	**-**	**2,86**		„ „ „ 3, „ 3 operate within ≤ 5 s	**P**	
	„ c) I_{min} (0,1 s)	6	**3,02**	**200**	**150**	**-**	**0,7**		„ „ „ 3, „ 4 operating time > 0,1 s	**P**	
	„ d) I_{max} (0,1 s)	7	**3,02**	**200**	**260**	**-**	**0,037**		„ „ „ 3, „ 5 operate within ≤ 0,1 s	**P**	
8.4.3.4	Overload	8	**2,96**	**10**	**78,0**	**-**	**16**		50 pulses; test current equal to 0,8 x **98,0** A stated for a pre-arcing time of 5 s	**P**	
		9	**3,00**	**10**	**78,0**	**-**	**15**		on - 5 s / off - 0,2 x **1** h - of the conventional time; current **78,0**A equal to	**P**	
		10	**3,04**	**10**	**78,0**	**-**	**18**		current for the overload test; pre-arcing time of sample lies within stated zone	**P**	
8.4.3.5	Conventional cable overload protection	11	**3,08**	**10**	**37,7**	**-**		**1560**	conductors of cross-sectional areas **2,5** mm²; preheated with test current I_n (**25** A); time. **1** h equal to the conv. time; test current increased 1,45 x I_z **37,7 A**; samples operated within the conv. time (**1** h)	**P**	
		12	**3,10**	**10**	**37,7**	**-**		**1320**		**P**	
		13	**3,12**	**10**	**37,7**	**-**		**1140**		**P**	
8.4.3.6	Indicating devices	-	-						Operation of indicating device verified in combination with the verification of breaking capacity I_1 to I_5 (8.5.5)	**N**	

EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 25A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7A**	**CB** page **- 29 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7A** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test sequence	Sample No	R_i mΩ	Test-voltage V (AC)	Test-current kA	cos φ	Making angle after voltage zero (U_0)	i_D kA	i_S kA	Peak arc voltage V	Initiation of arcing after voltage zero (U_0)	Pre-arcing time ms	Operating time ms	Pre-arcing I^2t A^2s	Operating I^2t A^2s	Osz No	Result-Remark Verdict	Remark
8.5 No 1	Breaking capacity (I_1)	14	3,08	558	125	0,16	76	5,333		1368	77	0,08	2,71			27DS022	P	∞ MΩ
		15	3,08	558	125	0,16	90	5,490		1418	92	0,09	2,23			27DS023	P	∞ MΩ
		16	3,08	558	125	0,16	50	4,902		1117	52	0,12	4,27			27DS024	P	∞ MΩ
8.5 No 2	Breaking capacity (I_2)	17	2,92	552	1,260	0,27	5		1,216	1376	72	3,73	7,27			1604	P	∞ MΩ
		18	2,92	552	1,260	0,27	3		1,184	1400	70	3,73	7,43			1605	P	∞ MΩ
		19	2,98	552	1,260	0,27	3		1,200	1368	68	3,67	7,17			1606	P	∞ MΩ
8.5 N0 3	Breaking capacity (I_3)	20	3,02	560	0,145	0,48							0, 595 s				P	∞ MΩ
8.5 No 4	Breaking capacity (I_4)	21	3,02	552	0,093	0,43							5,66 s				P	∞ MΩ
8.5 No 5	Breaking capacity(I_5)	22	2,98	556	0,058	0,41							104 s				P	∞ MΩ
8.7.4	Overcurrent discrimination(I^2t-Wert)	23	3,04	328	0,544	0,23	4							1399,3		99975	P	∞ MΩ
		24	3,04	320	0,544	0,23	1							1255,4		99976	P	∞ MΩ
		25	2,96	344	1,010	0,26	5								1967,3	99964	P	∞ MΩ
		26	2,96	344	1,010	0,26	8								1986,9	99965	P	∞ MΩ
8.9.2	Resistance to heat			Gripping-lugs; to 80°C; 2h; then loaded with 150% rated current; tensile force F_{max} (Table J) .....N													N	
8.11.1.8	Impact resistance			Gripping-lugs; the facility is given in Fig. 9; 168h to 150°C; the weight 300 g; the height 300 mm													N	
				Gripping-lugs; the facility is given in Fig. 9; 72h to -15°C; the weight 300 g; the height 300 mm													N	
8.11.2.2	Resistance to abnormal heat and fire			parts of insulating materials; glow-wire 960°C; to item a) of sub-clause 8.11.2.2.5													N	
				parts of insulating materials; glow-wire 650°C; to item b) of sub-clause 8.11.2.2.5													N	
8.11.2.4	Non-deterioration of insulating parts of fuse-link and fuse-base			for equipment comprising moulded elements intended to support live parts; 150°C; 168h; Breaking capacity (I_1) to Table 12A													N	
				for equipment comprising moulded elements intended to support live parts; 150°C; 168h; Breaking capacity (I_1) to Table 12A													N	
				for equipment comprising moulded elements intended to support live parts; 150°C; 168h ;Breaking capacity (I_2) to Table 12A													N	

Clause	Test sequence	Samples Nr	Requirement-Test	***Deviations: Type: PV10 In = 25A***					Result-Remark) Verdict	
8.1.4	Dimensions	1-3	Fig. 1(III) Size 10 x 38		Prescribed (mm)	Measured (mm)				
						Samples Nr 1	Samples Nr 2	Samples Nr 3		
				Dimension marking a	38 ± 0,6	**37.6**	**37.7**	**37.4**	**P**	
				Dimension marking b	max 10,5	**9.3**	**9.4**	**9.7**	**P**	
				Dimension marking c	10,3 ± 0,1	**10.3**	**10.3**	**10.2**	**P**	
				Dimension marking d	min 6	**10.3**	**10.3**	**10.2**	**P**	
				Dimension marking r	1,5 ± 0,5	**1.3**	**1.2**	**1.3**	**P**	

EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 32A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7A**	**CB** page **- 31 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7A** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test-sequence	Samples No	R_i mΩ	Test-voltage V (AC)	Test current A	cos φ	Pre-arcing time s	Operating time s	Requirement-Test	Result-Remark verdict	
6	Marking	1							The marking of the rated voltage/rated current /size discernible from the front	P	see page **34**
8.1.4	Dimension	1-3							Fig. 1(III) Size 10 x 38	P	see page **33**
8.1.5.1	Resistance (R_i)	1-26							Measuring current ≤ 0,1 I_n ; Ambient air temperature 20 ± 5°C	P	see page **31, 32**
8.3	Power dissipation (P_n) / / temperature rise (ΔT)	1	**1,97**	**10**	**32**	-			Tab. M and Fig. 1(III) (60269-2-1), P_n = max 3 W, Ambient air temperature: **24**°C; Conventional time **1** h	P	P_n = **2,54 W** ΔT = **36K**
8.4.3.1a)	Conv. non-fusing current (I_{nf})	1	**1,97**	**10**	**40**	-		**> 3600**	not operate within the conventional time **1**h	P	
8.4.3.1b)	Conv. fusing current (I_f)	2	**1,86**	**10**	**51,2**	-		**1560**	operate within the conventional time **1**.h	P	
8.4.3.2	Rated current	3	**1,88**	**10**	**40**	-		**> 3600**	100 h pulse test; test current 1,05 x I_n **33,6A** ; on **1** h/ off 0,1 x 1h, after the test conventional non-fusing current (I_{nf}) **40 A**; conventional time **1**h	P	
8.4.3.3.1	Gate a) I_{min} (10 s)	4	**1,94**	**10**	**75**	-	**84**		Testing current of Table 3, column 2; operating time > 10 s	P	
	„ b) I_{max} (5 s)	5	**1,91**	**200**	**150**	-	**3,0**		„ „ „ 3, „ 3 operate within ≤ 5 s	P	
	„ c) I_{min} (0,1 s)	6	**2,13**	**200**	**200**	-	**0,58**		„ „ „ 3, „ 4 operating time > 0,1 s	P	
	„ d) I_{max} (0,1 s)	7	**1,92**	**200**	**350**	-	**0,067**		„ „ „ 3, „ 5 operate within ≤ 0,1 s	P	
8.4.3.4	Overload	8	**1,91**	**10**	**104**	-	**17**		50 pulses; test current equal to 0,8 x **130** A stated for a pre-arcing time of 5 s	P	
		9	**1,92**	**10**	**104**	-	**18**		on - 5 s / off - 0,2 x **1** h of the conventional time; current **104**A equal to	P	
		10	**1,92**	**10**	**104**	-	**15**		current for the overload test; pre-arcing time of sample lies within stated zone	P	
8.4.3.5	Conventional cable overload protection	11	**1,97**	**10**	**50,75**	-		**900**	conductors of cross-sectional areas **4** mm²;	P	
		12	**1,95**	**10**	**50,75**	-		**1020**	preheated with test current I_n (**32** A); time. **1** h equal to the conv. time;	P	
		13	**1,94**	**10**	**50,75**	-		**780**	test current increased 1,45 x I_z **50,75** A; samples operated within the conv. time (**1** h)	P	
8.4.3.6	Indicating devices	-	-						Operation of indicating device verified in combination with the verification of breaking capacity I_1 to I_5 (8.5.5)	N	

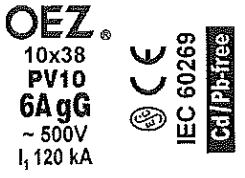
Clause	Test sequence	Sample No	R_i mΩ	Test-voltage V (AC)	Test-current kA	cos φ	Making angle after voltage zero (U_0)	i_D kA	i_S kA	Peak arc voltage V	Initiation of arcing after voltage zero (U_0)	Pre-arcing time ms	Operating time ms	Pre-arcing I^2t A^2s	Operating I^2t A^2s	Osz No	Result-Remark Verdict	Remark
8.5 No 1	Breaking capacity (I_1)	**14**	**1,84**	**552**	**103**	**0,17**	**47**	**6,549**		**1355**	**50**	**0,18**	**3,73**			**22ES048**	**P**	**∞ MΩ**
		15	**1,88**	**555**	**103**	**0,17**	**84**	**7,137**		**1531**	**86**	**0,14**	**2,28**			**22ES049**	**P**	**∞ MΩ**
		16	**1,88**	**555**	**103**	**0,17**	**83**	**7,216**		**1544**	**86**	**0,15**	**2,60**			**22ES051**	**P**	**∞ MΩ**
8.5 No 2	Breaking capacity (I_2)	**17**	**1,91**	**552**	**1,722**	**0,29**	**5**		**1,808**	**1584**		**4,00**	**6,70**			**99997**	**P**	**∞ MΩ**
		18	**1,91**	**552**	**1,722**	**0,29**	**0**		**1,792**	**1488**		**4,10**	**6,80**			**99998**	**P**	**∞ MΩ**
		19	**1,91**	**552**	**1,722**	**0,29**	**5**		**1,728**	**1376**		**3,87**	**7,17**			**99999**	**P**	**∞ MΩ**
8.5 N0 3	Breaking capacity (I_3)	**20**	**1,88**	**552**	**0,179**	**0,31**							**1,21 s**				**P**	**∞ MΩ**
8.5 No 4	Breaking capacity (I_4)	**21**	**1,88**	**560**	**0,117**	**0,43**							**5,26 s**				**P**	**∞ MΩ**
8.5 No 5	Breaking capacity(I_5)	**22**	**1,89**	**554**	**0,075**	**0,40**							**108,6 s**				**P**	**∞ MΩ**
8.7.4	Overcurrent discrimination(I^2t-Wert)	**23**	**1,95**	**344**	**0,793**	**0,28**	**5**							**3632,9**		**99970**	**P**	**∞ MΩ**
		24	**1,95**	**344**	**0,793**	**0,28**	**2**							**3572,3**		**99971**	**P**	**∞ MΩ**
		25	**1,89**	**328**	**1,220**	**0,28**	**6**								**4939,3**	**99961**	**P**	**∞ MΩ**
		26	**1,88**	**320**	**1,220**	**0,28**	**0**								**4816,5**	**99962**	**P**	**∞ MΩ**
8.9.2	Resistance to heat			Gripping-lugs; to 80°C; 2h, then loaded with 150% rated current; tensile force F_{max} (Table J) .....N													**N**	
8.11.1.8	Impact resistance			Gripping-lugs; the facility is given in Fig. 9; 168h to 150°C; the weight 300 g; the height 300 mm													**N**	
				Gripping-lugs; the facility is given in Fig. 9; 72h to -15°C; the weight 300 g; the height 300 mm													**N**	
8.11.2.2	Resistance to abnormal heat and fire			parts of insulating materials; glow-wire 960°C; to item a) of sub-clause 8.11.2.2.5													**N**	
				parts of insulating materials; glow-wire 650°C; to item b) of sub-clause 8.11.2.2.5													**N**	
8.11.2.4	Non-deterioration of insulating parts of fuse-link and fuse-base			for equipment comprising moulded elements intended to support live parts; 150°C; 168h; Breaking capacity (I_1) to Table 12A													**N**	
				for equipment comprising moulded elements intended to support live parts; 150°C; 168h; Breaking capacity (I_1) to Table 12A													**N**	
				for equipment comprising moulded elements intended to support live parts; 150°C; 168h ;Breaking capacity (I_2) to Table 12A													**N**	

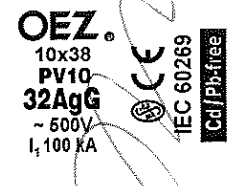
EZU Testing and Certification Institute	Type of fuse: **HRC-fuse ; Type PV10 gG ; 32A ; AC 500V ; Size 10x38** Made by: **OEZ Letohrad s.r.o.** **Tests according** **IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01;** **IEC 60269-2-1:04 4th ed.** **table 7A**	**CB** page **- 33 / 78 -** **Ref. No.: 702102-01/01** **Table No: 7A** **Checked by: J,. Hlavatý** **Dated:03.08.07**

Clause	Test sequence	Samples Nr	Requirement-Test	***Deviations: Type: PV10 In = 32A***					Result-Remark) Verdict	
8.1.4	Dimensions	1-3	Fig. 1(III) Size 10 x 38		Prescribed (mm)	Measured (mm)				
						Samples Nr 1	Samples Nr 2	Samples Nr 3		
				Dimension marking a	38 ± 0,6	**37.6**	**37.5**	**37.6**	**P**	
				Dimension marking b	max 10,5	**9.3**	**9.6**	**9.5**	**P**	
				Dimension marking c	10,3 ± 0,1	**10.2**	**10.3**	**10.3**	**P**	
				Dimension marking d	min 6	**10.2**	**10.3**	**10.3**	**P**	
				Dimension marking r	1,5 ± 0,5	**1.3**	**1.2**	**1.2**	**P**	

TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.





TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

ВЕРНО С ОРИГИНАЛА

PS ELECTRIC BULGARIA

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TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 2 A, dU = 258 mV, č.11 — Záznam číslo 27DS044 ze dne 27. 4.2006

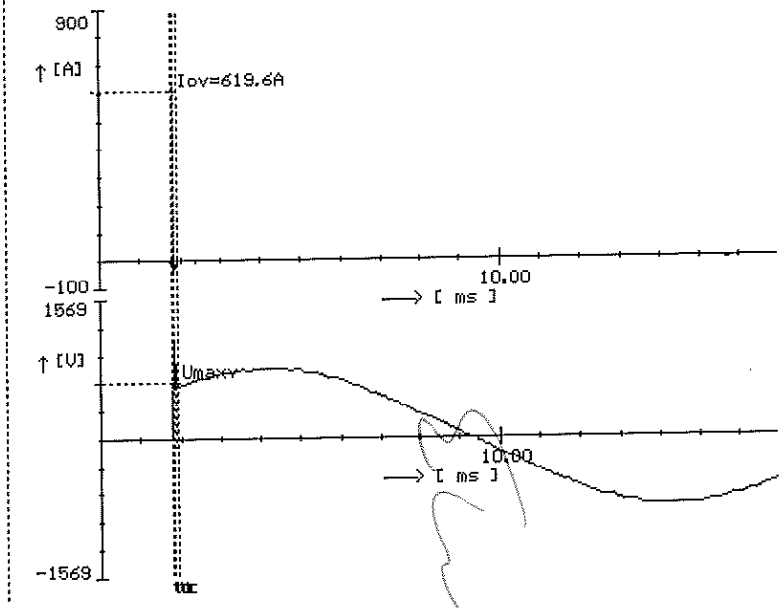
Nastavené hodnoty

Ip =	125000	A
Uef =	550	V
cosfi=	0.16	

Naměřené hodnoty

tt =	0.01	ms
tc =	0.12	ms
It =	369	A
Io =	620	A
Umax =	640	V
Uzot =	558	V
I2tt =	0.68	A2s
I2tc =	5.22	A2s
Alfa =	46	st.el.
Psi =	46	st.el.
It =	0.00 x Ip	
Ri =	9999.00	MOhm

I1



PV10gG, In = 2 A, dU = 260 mV, č.12 — Záznam číslo 27DS045 ze dne 27. 4.2006

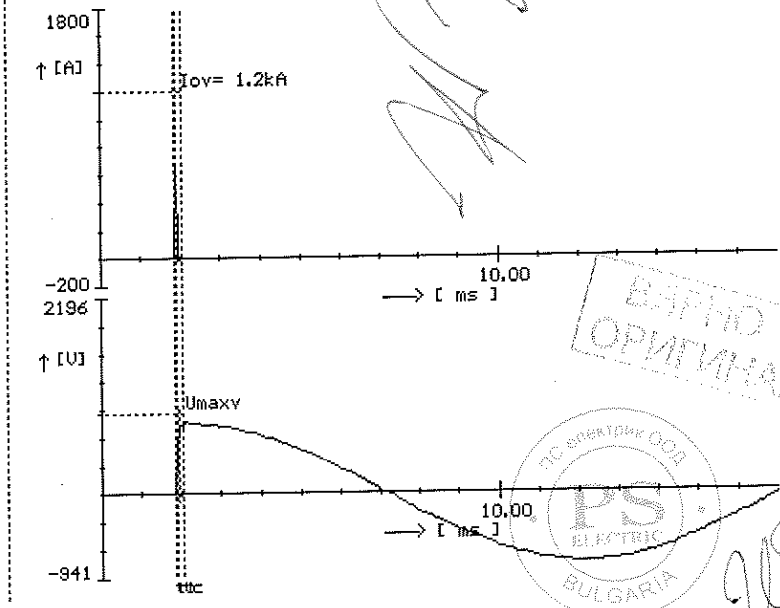
Nastavené hodnoty

Ip =	125000	A
Uef =	550	V
cosfi=	0.16	

Naměřené hodnoty

tt =	0.01	ms
tc =	0.15	ms
It =	675	A
Io =	623	A
Umax =	916	V
Uzot =	558	V
I2tt =	0.39	A2s
I2tc =	4.23	A2s
Alfa =	86	st.el.
Psi =	86	st.el.
It =	0.01 x Ip	
Ri =	9999.00	MOhm

I1



PV10gG, In = 2 A, dU = 275 mV, č.13 Záznam číslo 27DS046 ze dne 27. 4.2006

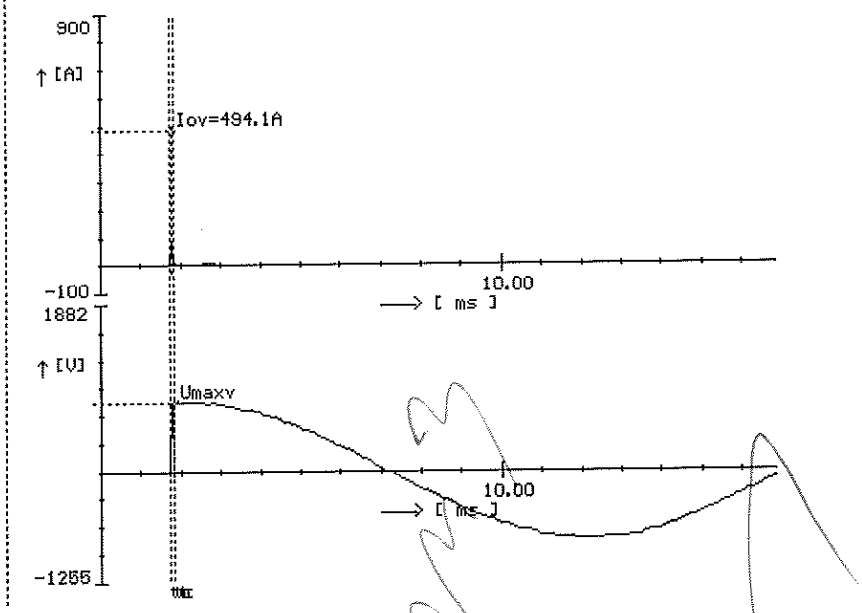
Nastavené hodnoty

Ip =	125000	A
Uef =	550	V
cosfi=	0.16	

Naměřené hodnoty

tt =	0.01	ms
tc =	0.10	ms
It =	118	A
Io =	494	A
Umax =	803	V
Uzot =	558	V
I2tt =	0.07	A2s
I2tc =	2.66	A2s
Alfa =	84	st.el.
Psi =	84	st.el.
It =	0.00 x Ip	
Ri =	9999.00	MOhm

I1



PV10gG, In = 4 A, dU = 220 mV, č.11 Záznam číslo 27DS041 ze dne 27. 4.2006

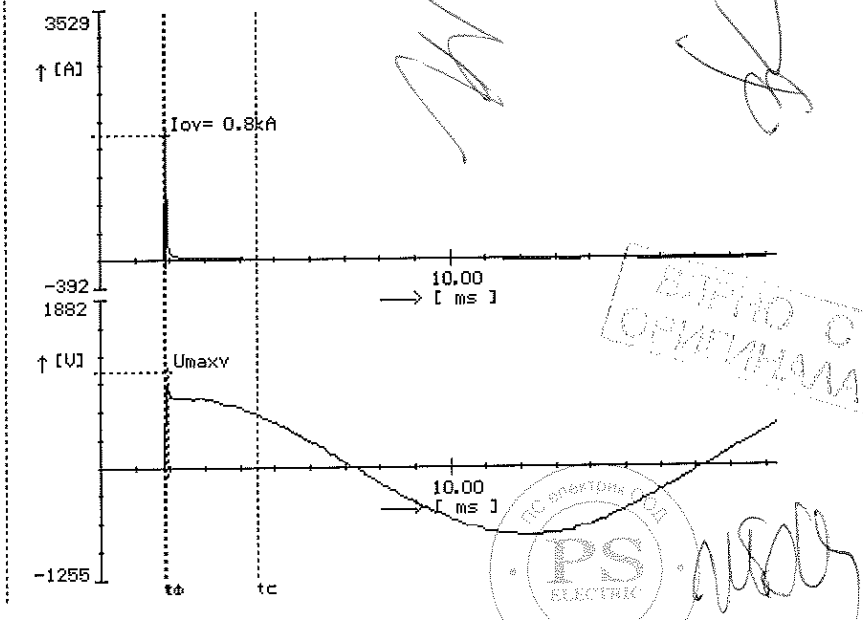
Nastavené hodnoty

Ip =	125000	A
Uef =	550	V
cosfi=	0.16	

Naměřené hodnoty

tt =	0.03	ms
tc =	0.04	ms
It =	256	A
Io =	802	A
Umax =	1104	V
Uzot =	558	V
I2tt =	0.36	A2s
I2tc =	4.92	A2s
Alfa =	84	st.el.
Psi =	85	st.el.
It =	0.01 x Ip	
Ri =	9999.00	MOhm

I1



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TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 4 A, dU = 218 mV, č.12 — Záznam číslo 27DS042 ze dne 27. 4.2006

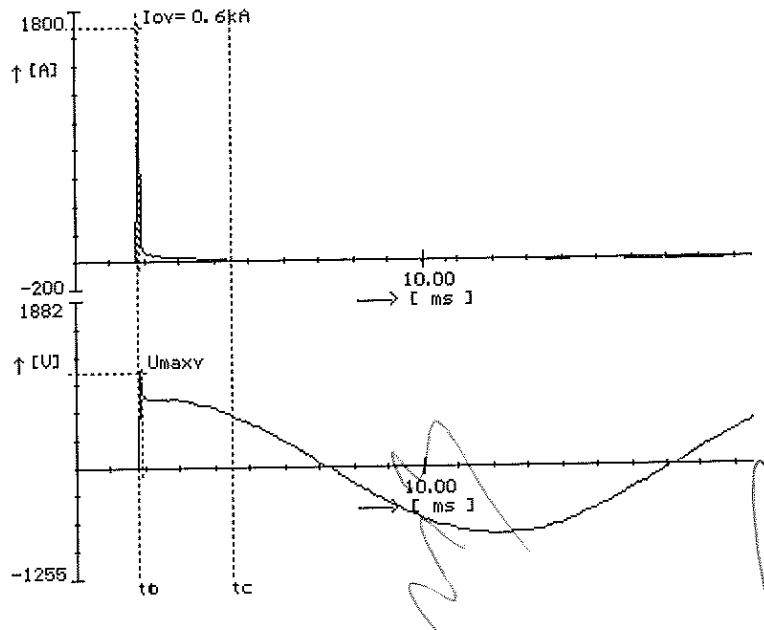
Nastavené hodnoty

Ip =	125000	A
Uef =	550	V
cosfi=	0.16	

Naměřené hodnoty

tt =	0.03	ms
tc =	0.04	ms
It =	239	A
Io =	591	A
Umax =	1104	V
Uzot =	558	V
I2tt =	0.24	A2s
I2tc =	4.39	A2s
Alfa =	83	st.el.
Psi =	84	st.el.
It =	0.01 × Ip	
Ri =	9999.00	MOhm

I1



PV10gG, In = 4 A, dU = 216 mV, č.13 — Záznam číslo 27DS043 ze dne 27. 4.2006

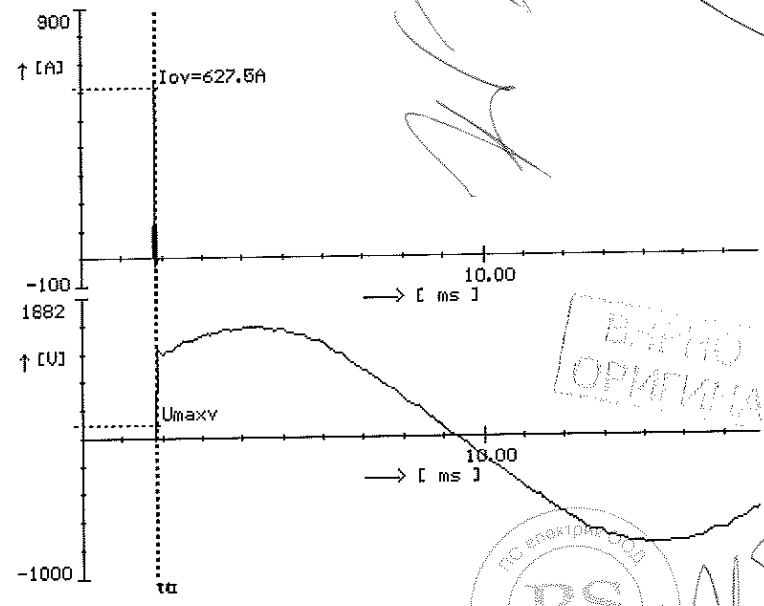
Nastavené hodnoty

Ip =	125000	A
Uef =	550	V
cosfi=	0.16	

Naměřené hodnoty

tt =	0.01	ms
tc =	0.12	ms
It =	243	A
Io =	627	A
Umax =	1100	V
Uzot =	558	V
I2tt =	0.30	A2s
I2tc =	4.59	A2s
Alfa =	46	st.el.
Psi =	46	st.el.
It =	0.01 × Ip	
Ri =	9999.00	MOhm

I1



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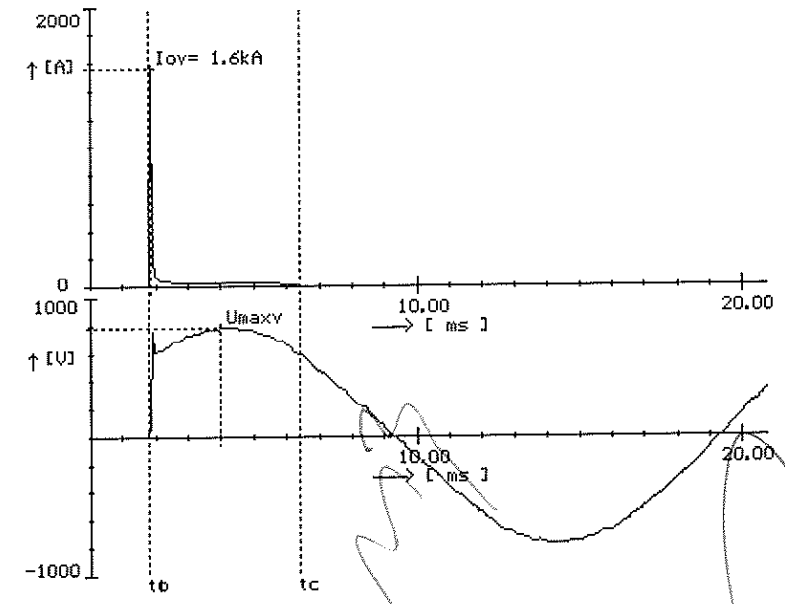
TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 6 A, dU = 116 mV, č.11 Záznam číslo 27DS038 ze dne 27. 4.2006

Nastavené hodnoty		
Ip =	125000	A
Uef =	550	V
cosfi=	0.16	
Naměřené hodnoty		
tt =	0.01	ms
tc =	4.60	ms
It =	1337	A
Io =	1592	A
Umax =	803	V
Uzot =	558	V
I2tt =	14.57	A2s
I2tc =	100.23	A2s
Alfa =	46	st.el.
Psi =	46	st.el.
It =	0.01 x Ip	
Ri =	9999.00	MOhm

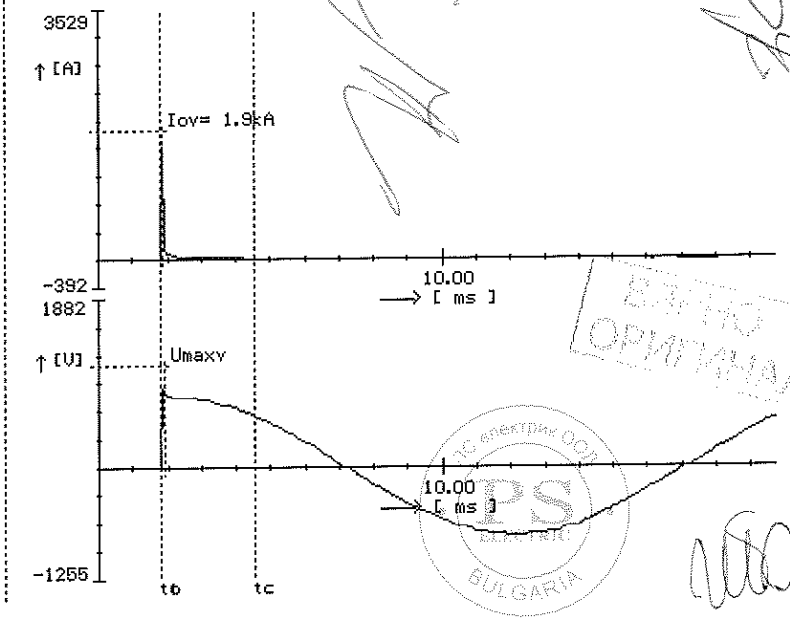
I1



PV10gG, In = 6 A, dU = 116 mV, č.12 Záznam číslo 27DS039 ze dne 27. 4.2006

Nastavené hodnoty		
Ip =	125000	A
Uef =	550	V
cosfi=	0.16	
Naměřené hodnoty		
tt =	0.03	ms
tc =	2.74	ms
It =	1420	A
Io =	1859	A
Umax =	1167	V
Uzot =	558	V
I2tt =	15.75	A2s
I2tc =	152.49	A2s
Alfa =	84	st.el.
Psi =	85	st.el.
It =	0.01 x Ip	
Ri =	9999.00	MOhm

I1



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TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 6 A, dU = 117 mV, č.13 Záznam číslo 27DS040 ze dne 27. 4.2006

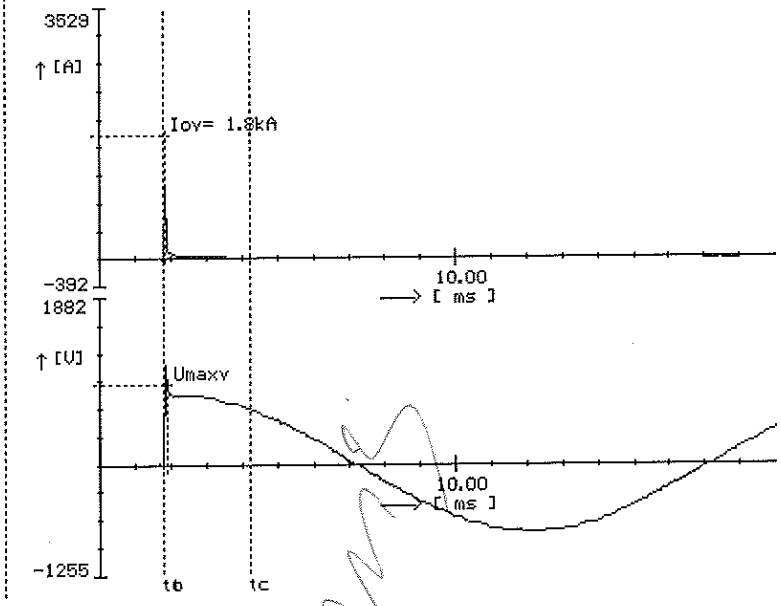
Nastavené hodnoty

Ip =	125000	A
Uef =	550	V
cosfi=	0.16	

Naměřené hodnoty

tt =	0.02	ms
tc =	2.42	ms
It =	1349	A
Io =	1788	A
Umax =	929	V
Uzot =	568	V
I2tt =	13.57	A2s
I2tc =	129.53	A2s
Alfa =	84	st.el.
Psi =	84	st.el.
It =	0.01 x Ip	
Ri =	9999.00	MOhm

I1



PV10gG, In = 8 A, dU = 106 mV, č.11 Záznam číslo 27DS035 ze dne 27. 4.2006

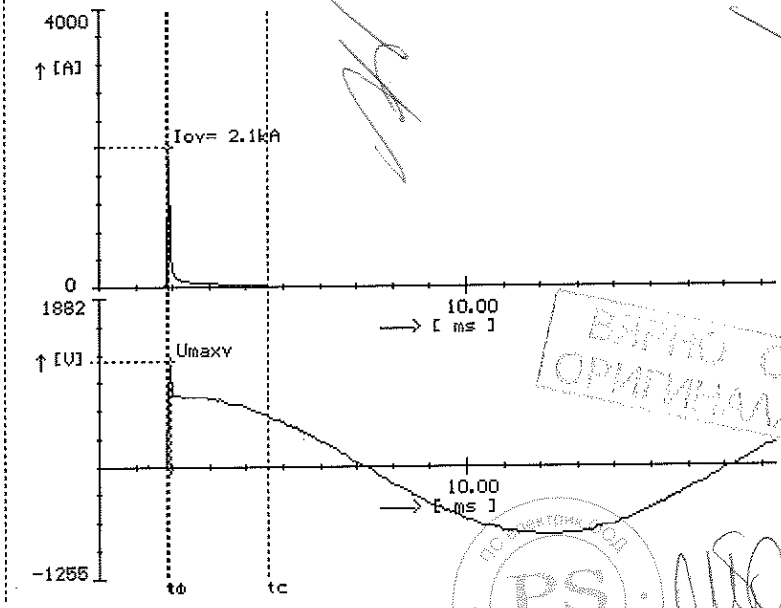
Nastavené hodnoty

Ip =	125000	A
Uef =	550	V
cosfi=	0.16	

Naměřené hodnoty

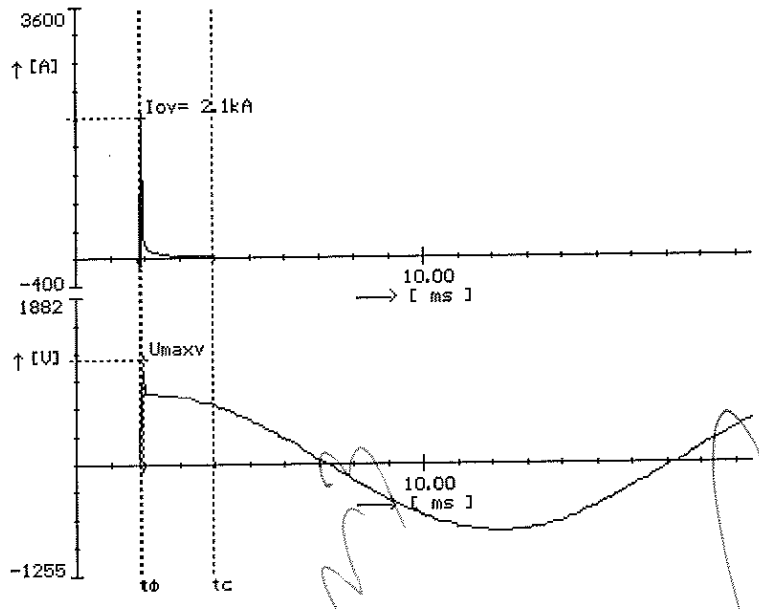
tt =	0.04	ms
tc =	2.77	ms
It =	1902	A
Io =	2059	A
Umax =	1217	V
Uzot =	562	V
I2tt =	46.28	A2s
I2tc =	220.47	A2s
Alfa =	84	st.el.
Psi =	85	st.el.
It =	0.02 x Ip	
Ri =	9999.00	MOhm

I1



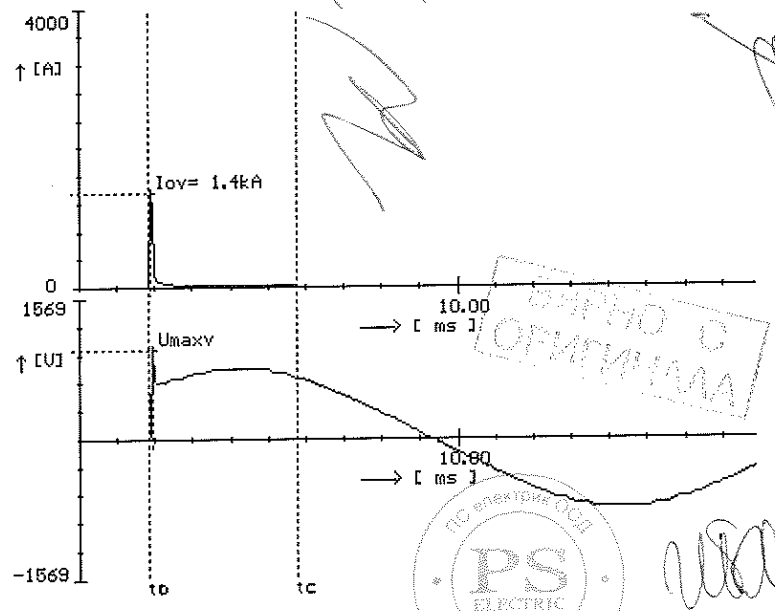
PV10gG, In = 8 A, dU = 106 mV, č.12 Záznam číslo 27DS036 ze dne 27. 4.2006

Nastavené hodnoty		
Ip =	125000	A
Uef =	550	V
cosfi=	0.16	
Naměřené hodnoty		
tt =	0.04	ms
tc =	2.11	ms
It =	1863	A
Io =	2059	A
Umax =	1217	V
Uzot =	558	V
I2tt =	39.05	A2s
I2tc =	217.23	A2s
Alfa =	83	st.el.
Psi =	84	st.el.
It =	0.01 x Ip	
Ri =	9999.00	MOhm
I1		



PV10gG, In = 8 A, dU = 107 mV, č.13 Záznam číslo 27DS037 ze dne 27. 4.2006

Nastavené hodnoty		
Ip =	125000	A
Uef =	550	V
cosfi=	0.16	
Naměřené hodnoty		
tt =	0.01	ms
tc =	3.89	ms
It =	1839	A
Io =	1392	A
Umax =	1029	V
Uzot =	558	V
I2tt =	38.01	A2s
I2tc =	148.12	A2s
Alfa =	46	st.el.
Psi =	46	st.el.
It =	0.01 x Ip	
Ri =	9999.00	MOhm
I1		



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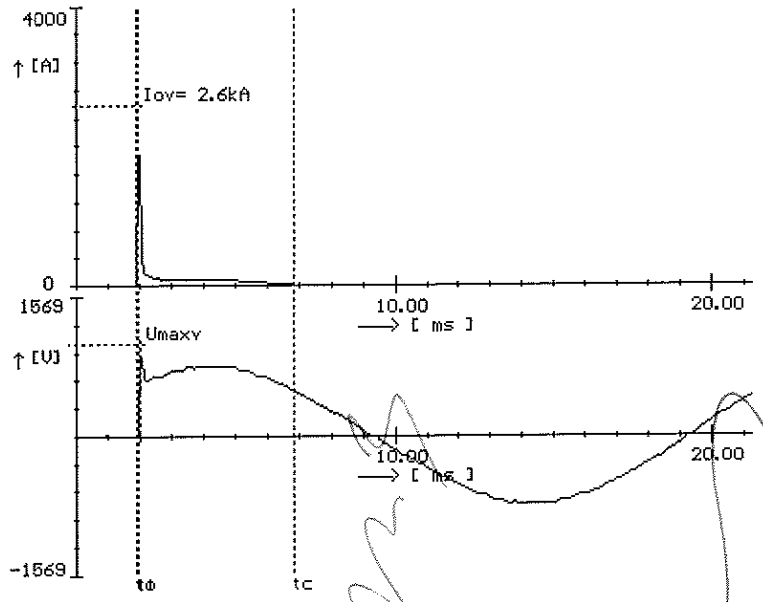
PV10gG, In = 12 A, dU = 88 mV, č.11 Záznam číslo 27DS031 ze dne 27. 4.2006

Nastavené hodnoty		
Ip =	125000	A
Uef =	550	V
cosfi=	0.16	
Naměřené hodnoty		
tt =	0.06	ms
tc =	4.84	ms
It =	2647	A
Io =	2647	A
Umax =	1067	V
Uzot =	558	V
I2tt =	146.38	A2s
I2tc =	479.85	A2s
Alfa =	48	st.el.
Psi =	49	st.el.
It =	0.02 x Ip	
Ri =	9999.00	MOhm

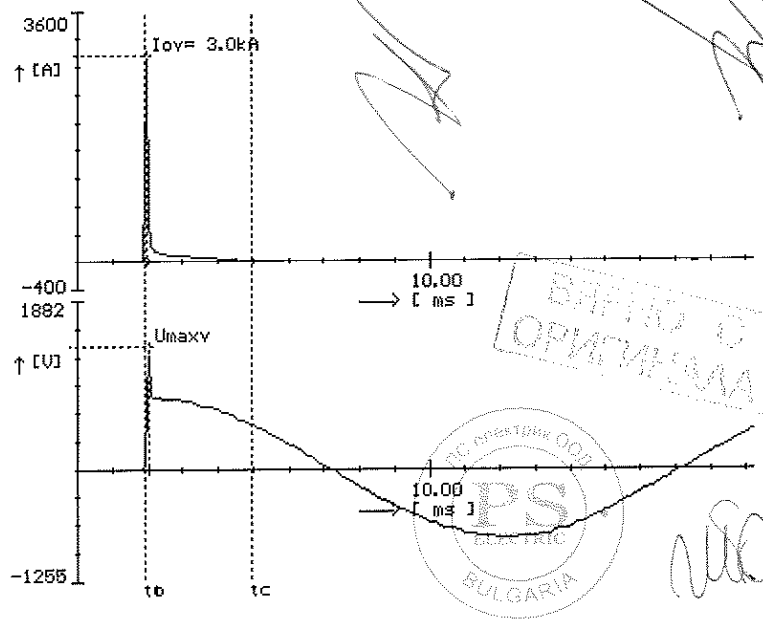
I1



PV10gG, In = 12 A, dU = 88 mV, č.12 Záznam číslo 27DS032 ze dne 27. 4.2006

Nastavené hodnoty		
Ip =	125000	A
Uef =	550	V
cosfi=	0.16	
Naměřené hodnoty		
tt =	0.04	ms
tc =	3.06	ms
It =	2216	A
Io =	3039	A
Umax =	1405	V
Uzot =	558	V
I2tt =	67.44	A2s
I2tc =	588.86	A2s
Alfa =	86	st.el.
Psi =	87	st.el.
It =	0.02 x Ip	
Ri =	9999.00	MOhm

I1



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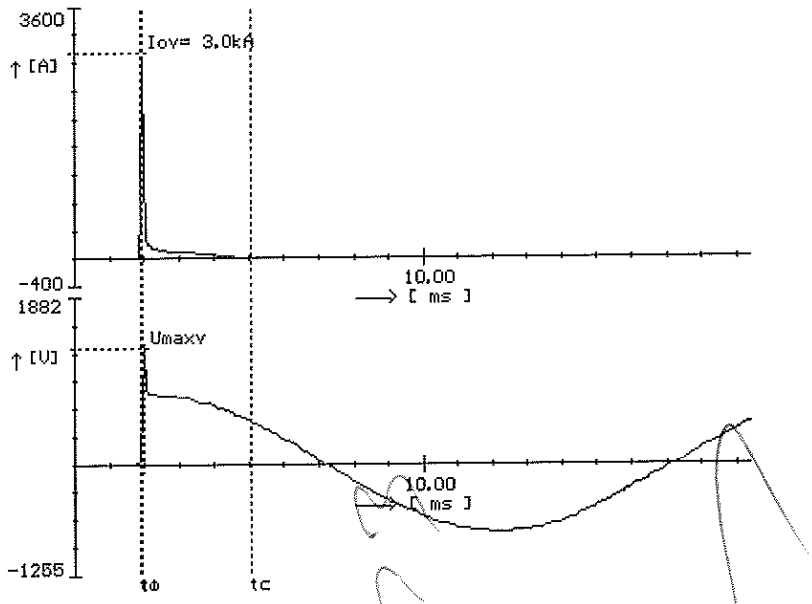
TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 12 A, dU = 88 mV, č.13 Záznam číslo 27DS033 ze dne 27. 4.2006

Nastavené hodnoty		
Ip =	125000	A
Uef =	550	V
cosfi=	0.16	
Naměřené hodnoty		
tt =	0.04	ms
tc =	3.18	ms
It =	2588	A
Io =	3000	A
Umax =	1343	V
Uzot =	558	V
I2tt =	94.00	A2s
I2tc =	602.28	A2s
Alfa =	85	st.el.
Psi =	86	st.el.
It =	0.02 x Ip	
Ri =	9999.00	MOhm

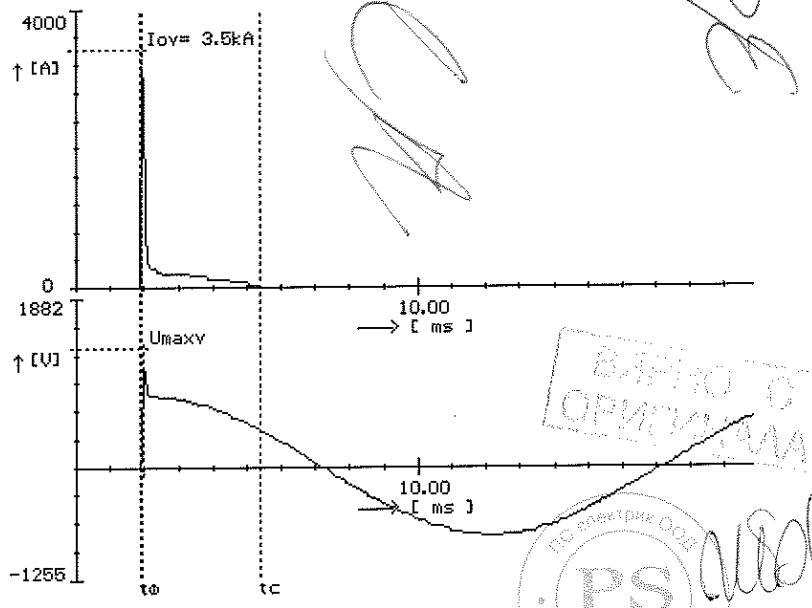
I1



PV10gG, In = 16 A, dU = 90,5 mV, č.11 Záznam číslo 27DS028 ze dne 27. 4.2006

Nastavené hodnoty		
Ip =	125000	A
Uef =	550	V
cosfi=	0.16	
Naměřené hodnoty		
tt =	0.06	ms
tc =	3.51	ms
It =	2706	A
Io =	3490	A
Umax =	1368	V
Uzot =	558	V
I2tt =	115.26	A2s
I2tc =	1102.25	A2s
Alfa =	85	st.el.
Psi =	86	st.el.
It =	0.02 x Ip	
Ri =	9999.00	MOhm

I1



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TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 16 A, dU = 90,5 mV, č.12 Záznam číslo 27DS029 ze dne 27. 4.2006

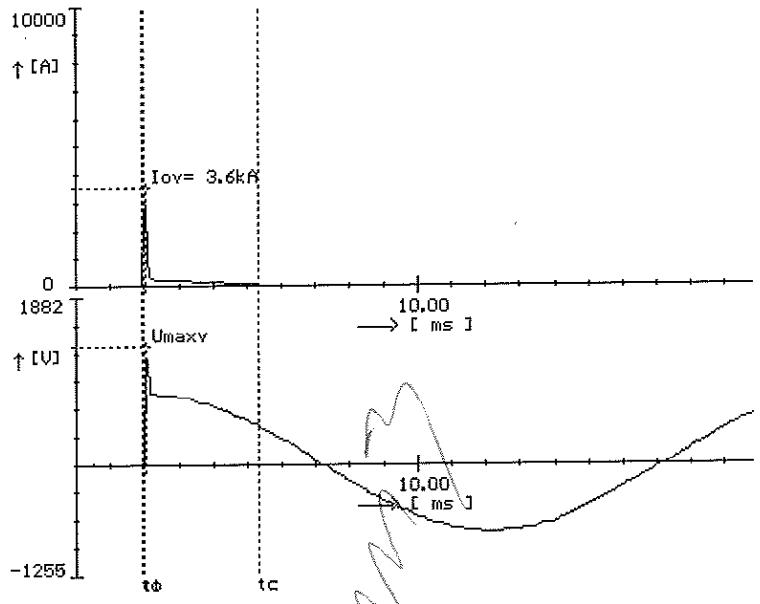
Nastavené hodnoty

Ip =	125000	A
Uef =	550	V
cosfi=	0.16	

Naměřené hodnoty

tt =	0.06	ms
tc =	3.39	ms
It =	3137	A
Io =	3608	A
Umax =	1368	V
Uzot =	558	V
I2tt =	183.90	A2s
I2tc =	1091.61	A2s
Alfa =	86	st.el.
Psi =	87	st.el.
It =	0.03 x Ip	
Ri =	9999.00	MOhm

I1



PV10gG, In = 16 A, dU = 92 mV, č.13 Záznam číslo 27DS030 ze dne 27. 4.2006

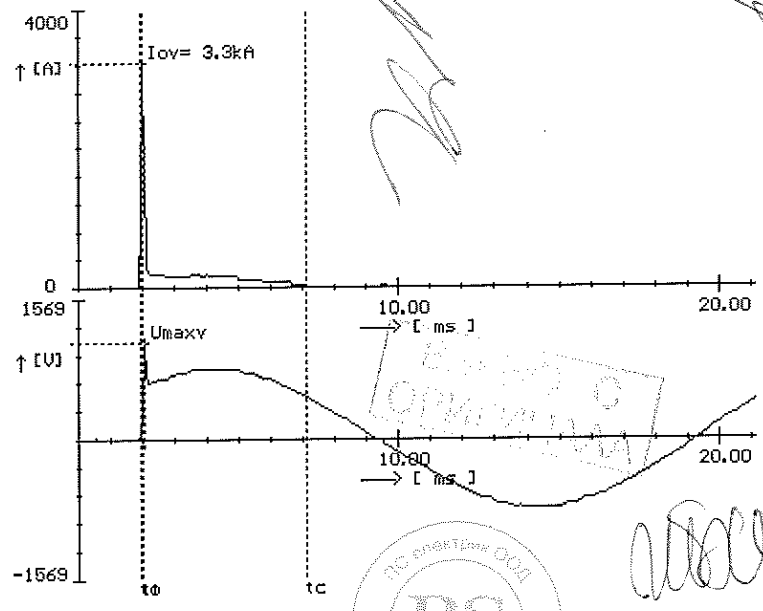
Nastavené hodnoty

Ip =	125000	A
Uef =	550	V
cosfi=	0.16	

Naměřené hodnoty

tt =	0.08	ms
tc =	5.19	ms
It =	3216	A
Io =	3294	A
Umax =	1104	V
Uzot =	558	V
I2tt =	253.67	A2s
I2tc =	866.96	A2s
Alfa =	48	st.el.
Psi =	49	st.el.
It =	0.03 x Ip	
Ri =	9999.00	MOhm

I1



TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 20 A, dU = 78 mV, č.11 Záznam číslo 27DS025 ze dne 27. 4.2006

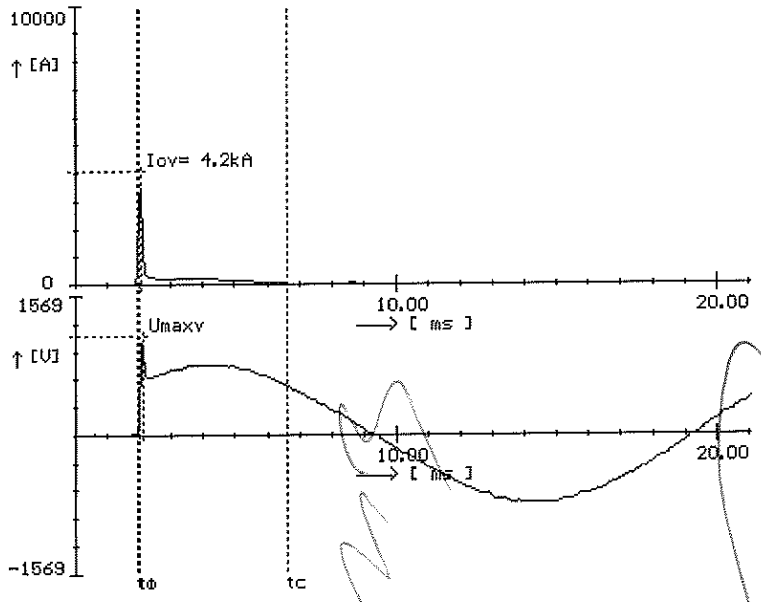
Nastavené hodnoty

Ip =	125000	A
Uef =	550	V
cosfi=	0.16	

Naměřené hodnoty

tt =	0.09	ms
tc =	4.68	ms
It =	3608	A
Io =	4157	A
Umax =	1155	V
Uzot =	558	V
I2tt =	352.46	A2s
I2tc =	1685.44	A2s
Alfa =	48	st.el.
Psi =	50	st.el.
It =	0.03 x Ip	
Ri =	9999.00	MOhm

I1



PV10gG, In = 20 A, dU = 78,5 mV, č.12 Záznam číslo 27DS026 ze dne 27. 4.2006

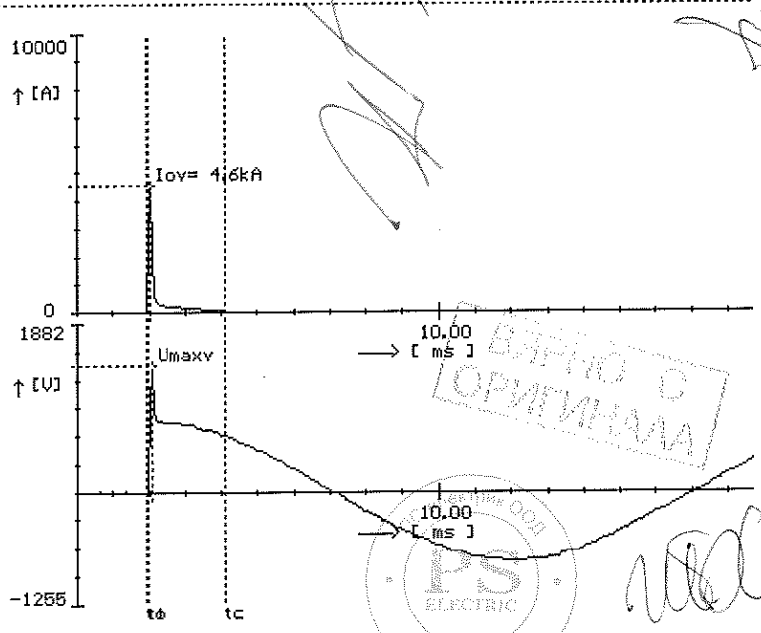
Nastavené hodnoty

Ip =	125000	A
Uef =	550	V
cosfi=	0.16	

Naměřené hodnoty

tt =	0.08	ms
tc =	2.19	ms
It =	4039	A
Io =	4627	A
Umax =	1443	V
Uzot =	558	V
I2tt =	368.67	A2s
I2tc =	1897.79	A2s
Alfa =	87	st.el.
Psi =	88	st.el.
It =	0.03 x Ip	
Ri =	9999.00	MOhm

I1



57

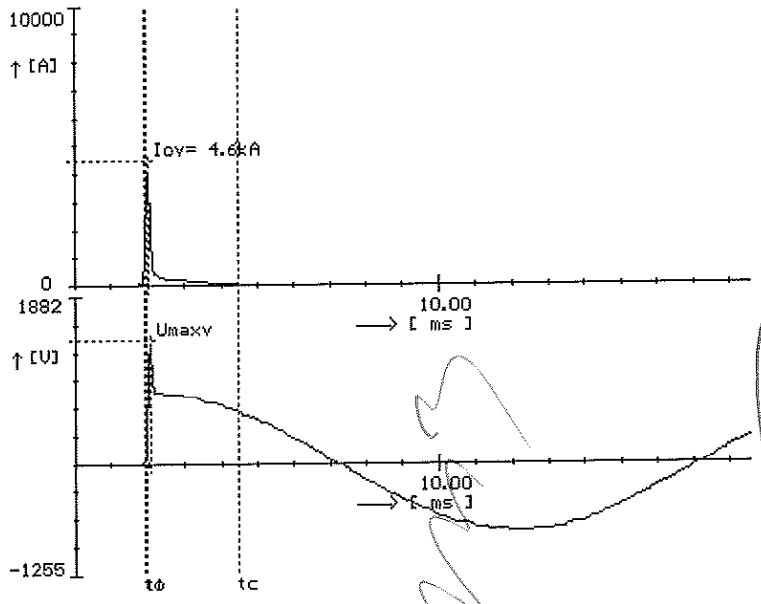
TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 20 A, dU = 79 mV, č.13 Záznam číslo 27DS027 ze dne 27. 4.2006

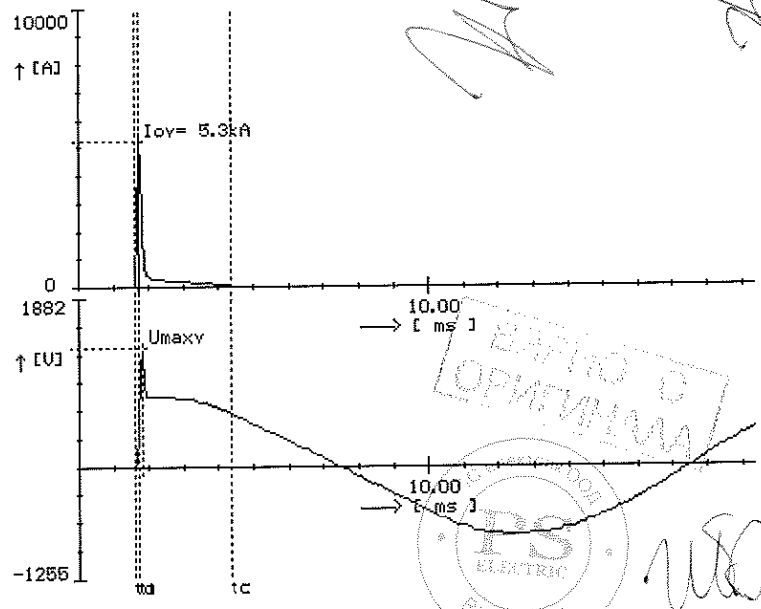
Nastavené hodnoty		
Ip =	125000	A
Uef =	550	V
cosfi=	0.16	
Naměřené hodnoty		
tt =	0.07	ms
tc =	2.58	ms
It =	3882	A
Io =	4588	A
Umax =	1418	V
Uzot =	558	V
I2tt =	330.33	A2s
I2tc =	1974.36	A2s
Alfa =	85	st.el.
Psi =	86	st.el.
It =	0.03 x Ip	
Ri =	9999.00	MOhm

I1



PV10gG, In = 25 A, dU = 77,5 mV, č.14 Záznam číslo 27DS022 ze dne 27. 4.2006

Nastavené hodnoty		
Ip =	125000	A
Uef =	550	V
cosfi=	0.16	
Naměřené hodnoty		
tt =	0.08	ms
tc =	2.71	ms
It =	4667	A
Io =	5333	A
Umax =	1368	V
Uzot =	558	V
I2tt =	595.36	A2s
I2tc =	3121.41	A2s
Alfa =	76	st.el.
Psi =	77	st.el.
It =	0.04 x Ip	
Ri =	9999.00	MOhm



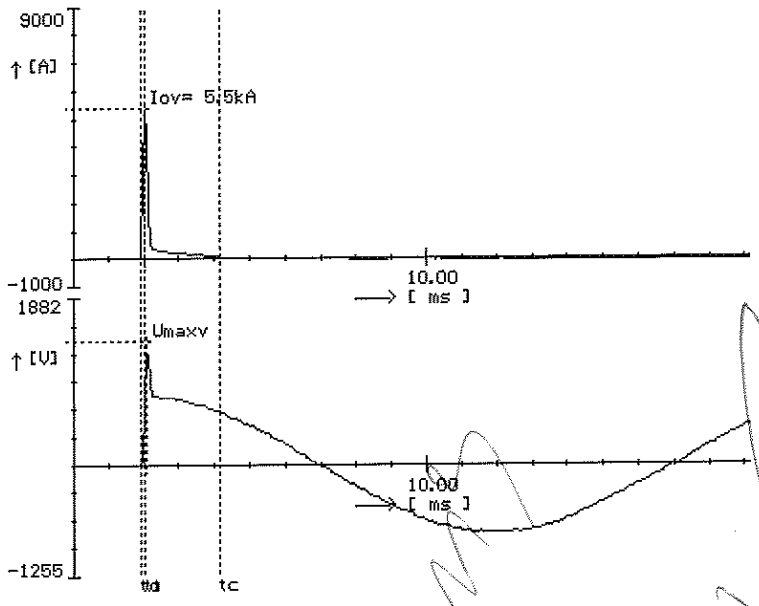
TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 25 A, dU = 77,5 mV, č.15 Záznam číslo 27DS023 ze dne 27. 4.2006

Nastavené hodnoty		
Ip =	125000	A
Uef =	550	V
cosfi=	0.16	
Naměřené hodnoty		
tt =	0.09	ms
tc =	2.23	ms
It =	4824	A
Io =	5490	A
Umax =	1418	V
Uzot =	558	V
I2tt =	642.75	A2s
I2tc =	3304.46	A2s
Alfa =	90	st.el.
Psi =	92	st.el.
It =	0.04 x Ip	
Ri =	9999.00	MOhm

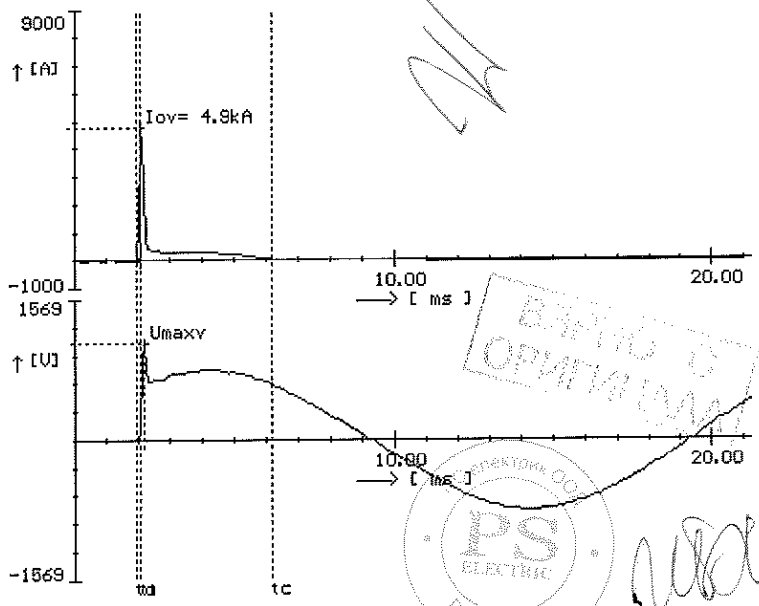
I1



PV10gG, In = 25 A, dU = 77,5 mV, č.16 Záznam číslo 27DS024 ze dne 27. 4.2006

Nastavené hodnoty		
Ip =	125000	A
Uef =	550	V
cosfi=	0.16	
Naměřené hodnoty		
tt =	0.12	ms
tc =	4.27	ms
It =	4157	A
Io =	4902	A
Umax =	1117	V
Uzot =	558	V
I2tt =	523.02	A2s
I2tc =	3082.31	A2s
Alfa =	50	st.el.
Psi =	52	st.el.
It =	0.03 x Ip	
Ri =	9999.00	MOhm

I1



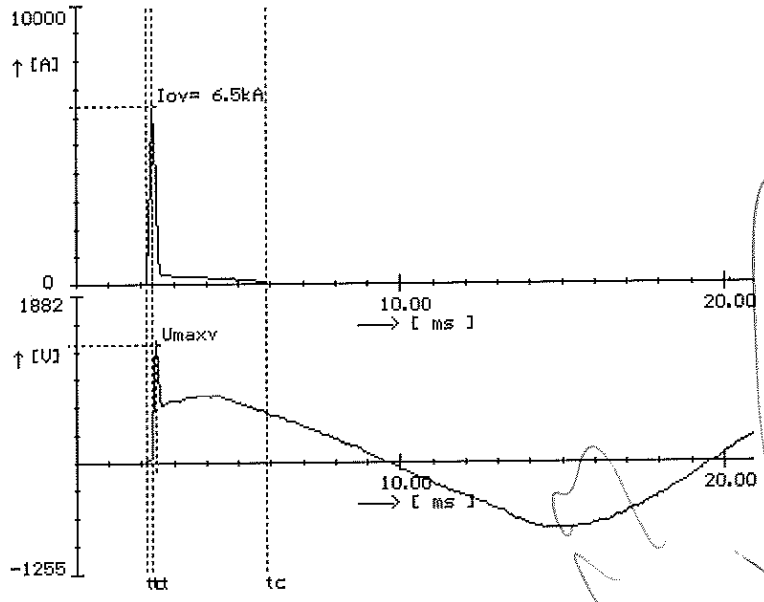
TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 32 A, dU = 59,5 mV, č.14 Záznam číslo 22ES048 ze dne 22. 5.2006

Nastavené hodnoty		
Ip =	103000	A
Uef =	550	V
cosfi=	0.17	
Naměřené hodnoty		
tt =	0.18	ms
tc =	3.73	ms
It =	6235	A
Io =	6549	A
Umax =	1355	V
Uzot =	552	V
I2tt =	2309.44	A2s
I2tc =	6160.38	A2s
Alfa =	47	st.el.
Psi =	50	st.el.
It =	0.06 x Ip	
Ri =	9999.00	MOhm

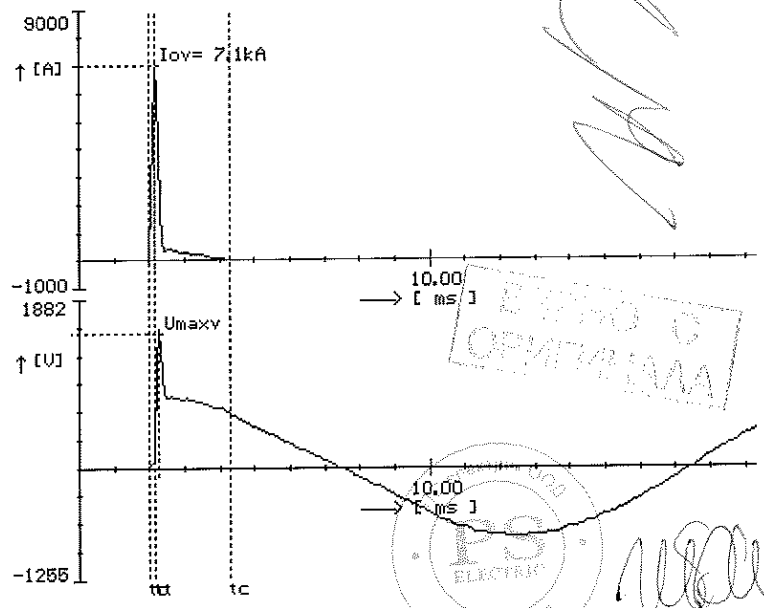
I1



PV10gG, In = 32 A, dU = 60 mV, č.15 Záznam číslo 22ES049 ze dne 22. 5.2006

Nastavené hodnoty		
Ip =	103000	A
Uef =	550	V
cosfi=	0.17	
Naměřené hodnoty		
tt =	0.14	ms
tc =	2.28	ms
It =	6841	A
Io =	7137	A
Umax =	1531	V
Uzot =	549	V
I2tt =	2434.06	A2s
I2tc =	7303.22	A2s
Alfa =	84	st.el.
Psi =	86	st.el.
It =	0.07 x Ip	
Ri =	9999.00	MOhm

I1



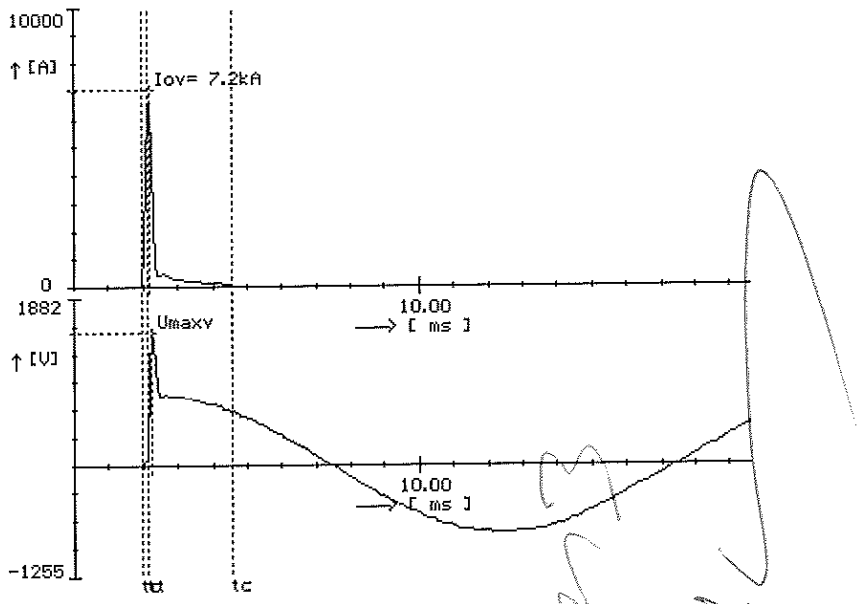
60

TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 32 A, dU = 60,5 mV, č.16.2 Záznam číslo 22ES051 ze dne 22. 5.2006

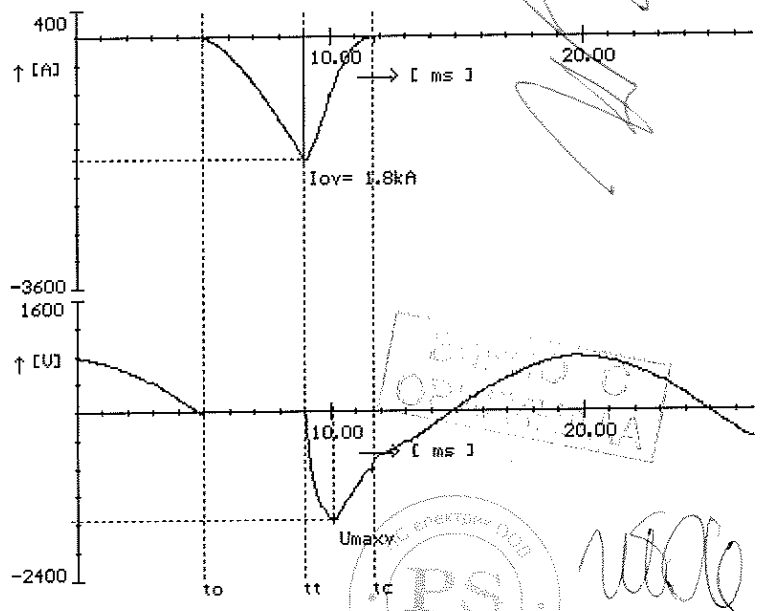
Nastavené hodnoty		
Ip =	103000	A
Uef =	550	V
cosfi=	0.17	
Naměřené hodnoty		
tt =	0.15	ms
tc =	2.60	ms
It =	6980	A
Io =	7216	A
Umax =	1544	V
Uzot =	555	V
I2tt =	2487.93	A2s
I2tc =	7564.64	A2s
Alfa =	83	st.el.
Psi =	86	st.el.
It =	0.07 x Ip	
Ri =	9999.00	MOhm



PV10gG, In = 32 A, dU = 61 mV, č.17.2 Záznam číslo 99997 ze dne 9. 6.2006

Nastavené hodnoty		
Ip =	1722	A
Uef =	552	V
cosfi=	0.28	
Naměřené hodnoty		
tt =	4.00	ms
tc =	6.70	ms
It =	1808	A
Io =	1808	A
Umax =	1584	V
Uzot =	552	V
I2tt =	3462.27	A2s
I2tc =	5787.80	A2s
Alfa =	5	st.el.
Psi =	76	st.el.
It =	1.05 x Ip	
Ri =	9999.00	MOhm

I2105



61

PV10gG, In = 32 A, dU = 61 mV, č.18 Záznam číslo 99998 ze dne 9. 6.2006

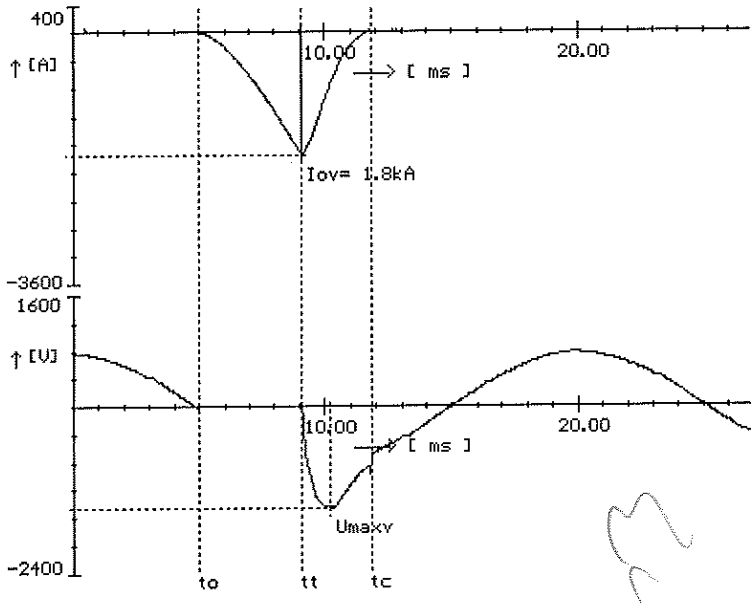
Nastavené hodnoty

Ip =	1722	A
Uef =	552	V
cosfi=	0.29	

Naměřené hodnoty

tt =	4.10	ms
tc =	6.80	ms
It =	1792	A
Io =	1792	A
Umax =	1488	V
Uzot =	552	V
I2tt =	3382.42	A2s
I2tc =	5653.58	A2s
Alfa =	0	st.el.
Psi =	73	st.el.
It =	1.04 x Ip	
Ri =	9999.00	MOhm

I2104



PV10gG, In = 32 A, dU = 61 mV, č.19 Záznam číslo 99999 ze dne 9. 6.2006

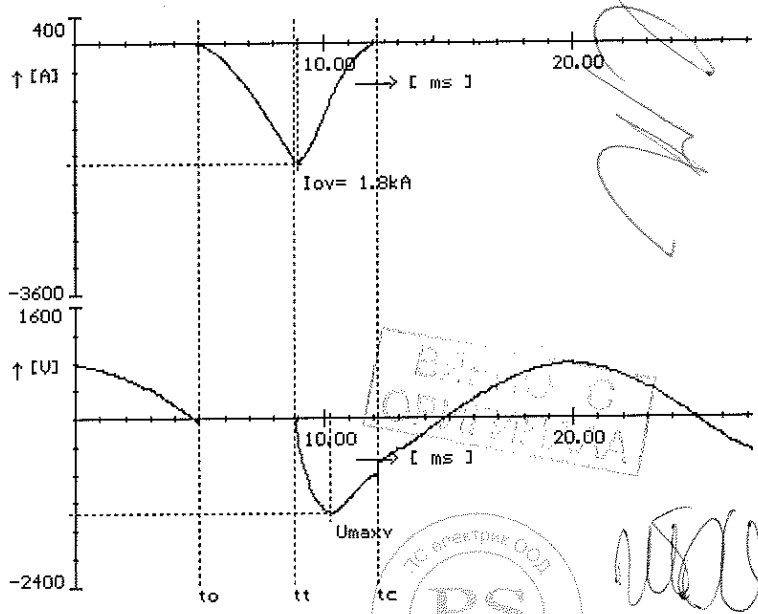
Nastavené hodnoty

Ip =	1722	A
Uef =	552	V
cosfi=	0.29	

Naměřené hodnoty

tt =	3.87	ms
tc =	7.17	ms
It =	1728	A
Io =	1760	A
Umax =	1376	V
Uzot =	552	V
I2tt =	3043.11	A2s
I2tc =	6232.34	A2s
Alfa =	5	st.el.
Psi =	74	st.el.
It =	1.00 x Ip	
Ri =	9999.00	MOhm

I2100



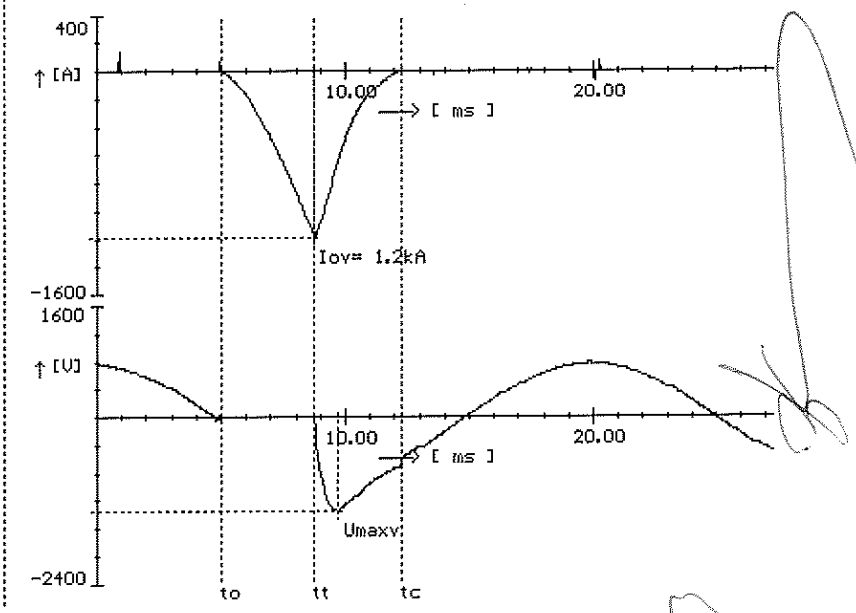
TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 25 A, dU = 73 mV, č.17 Záznam číslo 1604 ze dne 23. 2.2007

Nastavené hodnoty		
Ip =	1260	A
Uef =	552	V
cosfi=	0.27	
Naměřené hodnoty		
tt =	3.73	ms
tc =	7.27	ms
It =	1216	A
Io =	1216	A
Umax =	1376	V
Uzot =	552	V
I2tt =	1431.07	A2s
I2tc =	2574.38	A2s
Alfa =	5	st.el.
Psi =	72	st.el.
It =	0.97 x Ip	
Ri =	9999.00	MOhm

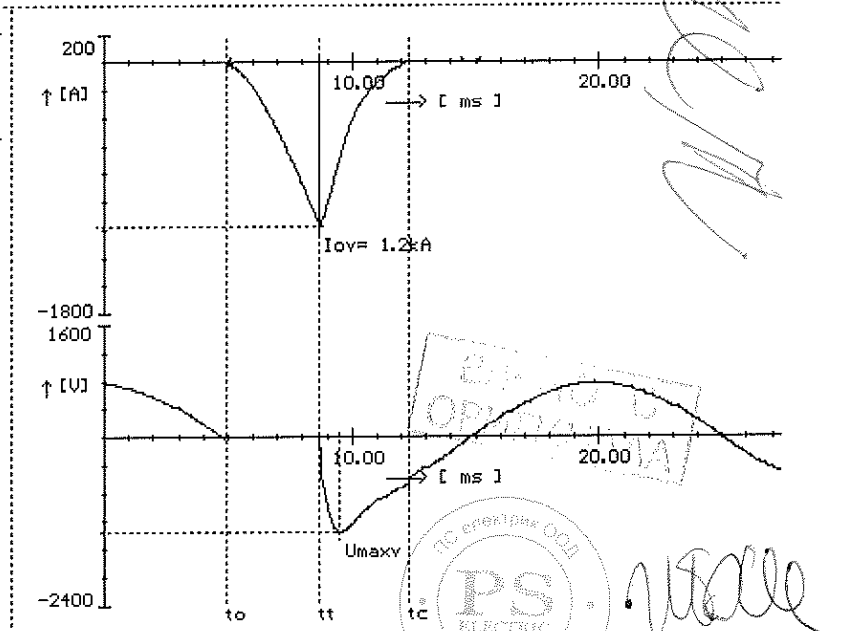
I2097



PV10gG, In = 25 A, dU = 73 mV, č.18 Záznam číslo 1605 ze dne 23. 2.2007

Nastavené hodnoty		
Ip =	1260	A
Uef =	552	V
cosfi=	0.27	
Naměřené hodnoty		
tt =	3.73	ms
tc =	7.43	ms
It =	1184	A
Io =	1208	A
Umax =	1400	V
Uzot =	552	V
I2tt =	1324.70	A2s
I2tc =	2449.59	A2s
Alfa =	3	st.el.
Psi =	70	st.el.
It =	0.94 x Ip	
Ri =	9999.00	MOhm

I2094



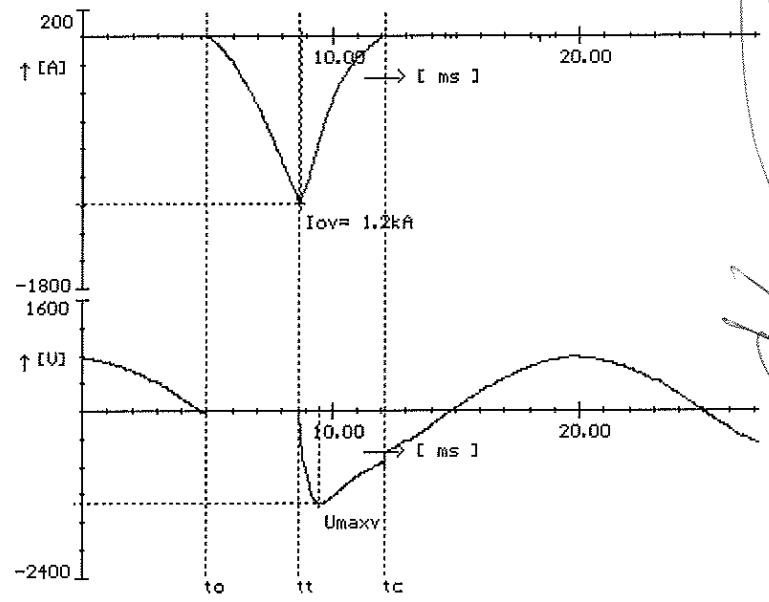
TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 25 A, dU = 74.5 mV, č.19 Záznam číslo 1606 ze dne 23. 2.2007

Nastavené hodnoty		
Ip =	1260	A
Uef =	552	V
cosfi=	0.27	
Naměřené hodnoty		
tt =	3.67	ms
tc =	7.17	ms
It =	1200	A
Io =	1216	A
Umax =	1368	V
Uzot =	552	V
I2tt =	1369.32	A2s
I2tc =	2543.83	A2s
Alfa =	3	st.el.
Psi =	68	st.el.
It =	0.95 x Ip	
Ri =	9999.00	MOhm

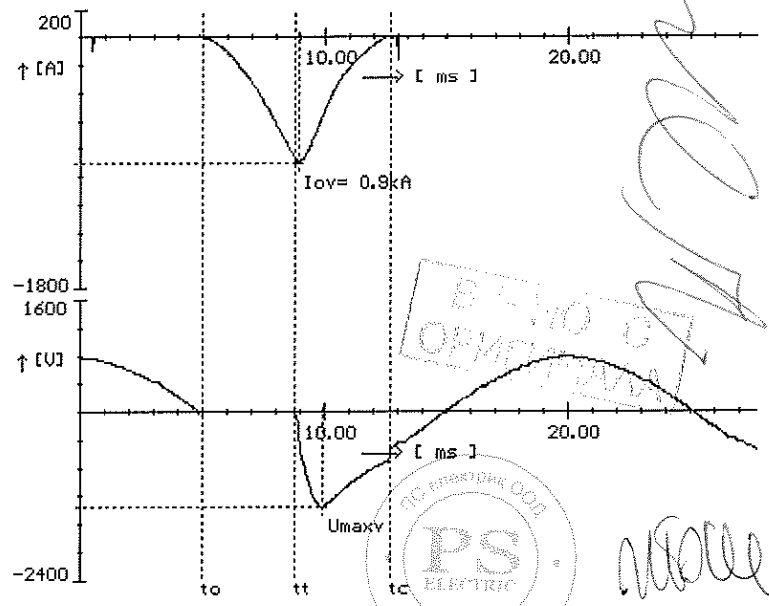
I2095



PV10gG, In = 20 A, dU = 79.5 mV, č.14 Záznam číslo 99989 ze dne 9. 6.2006

Nastavené hodnoty		
Ip =	992.78	A
Uef =	556	V
cosfi=	0.24	
Naměřené hodnoty		
tt =	3.80	ms
tc =	7.70	ms
It =	908.00	A
Io =	928.00	A
Umax =	1384	V
Uzot =	560	V
I2tt =	765.65	A2s
I2tc =	1670.82	A2s
Alfa =	0	st.el.
Psi =	68	st.el.
It =	0.91 x Ip	
Ri =	9999.00	MOhm

I2091



TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 20 A, dU = 79.5 mV, č.15 Záznam číslo 99990 ze dne 9. 6.2006

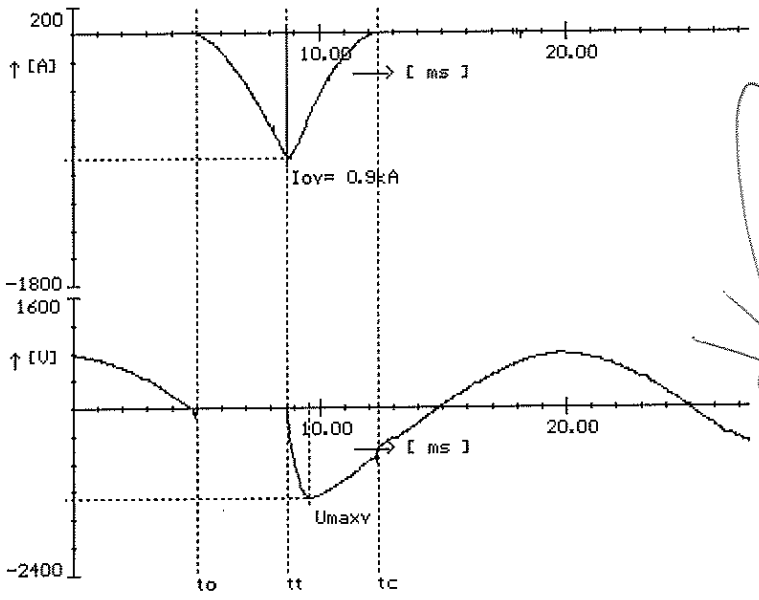
Nastavené hodnoty

Ip =	992.78	A
Uef =	556	V
cosfí=	0.24	

Naměřené hodnoty

tt =	3.63	ms
tc =	7.37	ms
It =	896.00	A
Io =	912.00	A
Umax =	1328	V
Uzot =	560	V
I2tt =	736.08	A2s
I2tc =	1577.71	A2s
Alfa =	3	st.el.
Psi =	68	st.el.
It =	0.90 x Ip	
Ri =	9999.00	MOhm

I2090



PV10gG, In = 20 A, dU = 80 mV, č.16 Záznam číslo 99991 ze dne 9. 6.2006

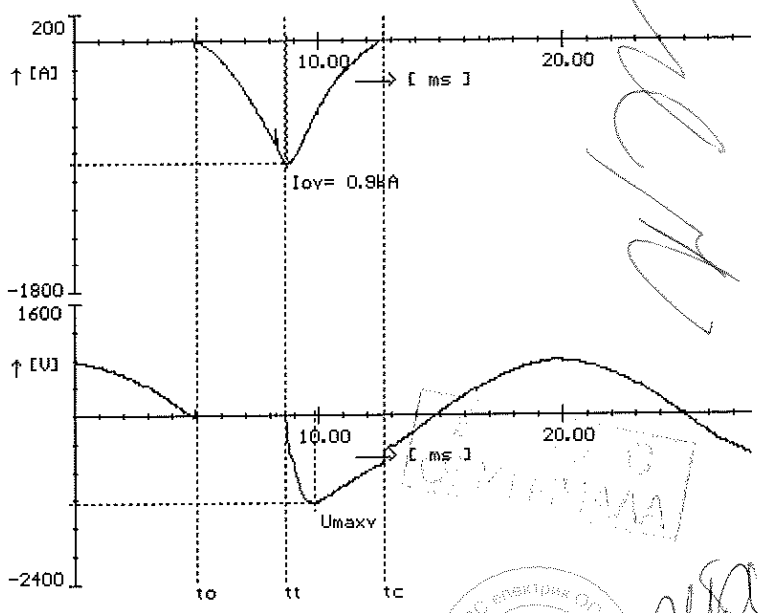
Nastavené hodnoty

Ip =	992.78	A
Uef =	556	V
cosfí=	0.24	

Naměřené hodnoty

tt =	3.63	ms
tc =	7.70	ms
It =	900.00	A
Io =	904.00	A
Umax =	1272	V
Uzot =	560	V
I2tt =	748.78	A2s
I2tc =	1690.63	A2s
Alfa =	4	st.el.
Psi =	69	st.el.
It =	0.91 x Ip	
Ri =	9999.00	MOhm

I2091



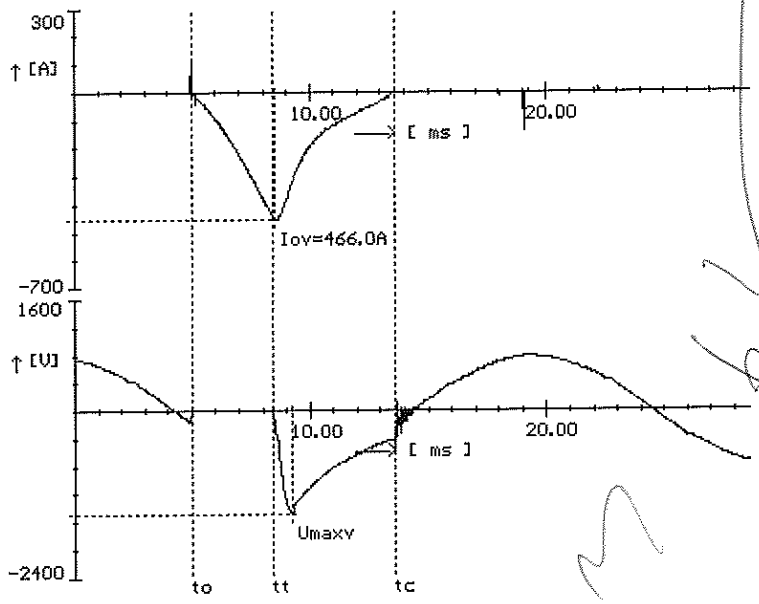
TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 12 A, dU = 91 mV, č.14 Záznam číslo 98503 ze dne 28. 3.2006

Nastavené hodnoty		
Ip =	470.93	A
Uef =	548	V
cosfi=	0.27	
Naměřené hodnoty		
tt =	3.47	ms
tc =	8.63	ms
It =	462.00	A
Io =	466.00	A
Umax =	1520	V
Uzot =	560	V
I2tt =	208.29	A2s
I2tc =	433.86	A2s
Alfa =	0	st.el.
Psi =	62	st.el.
It =	0.98 x Ip	
Ri =	9999.00	MOhm

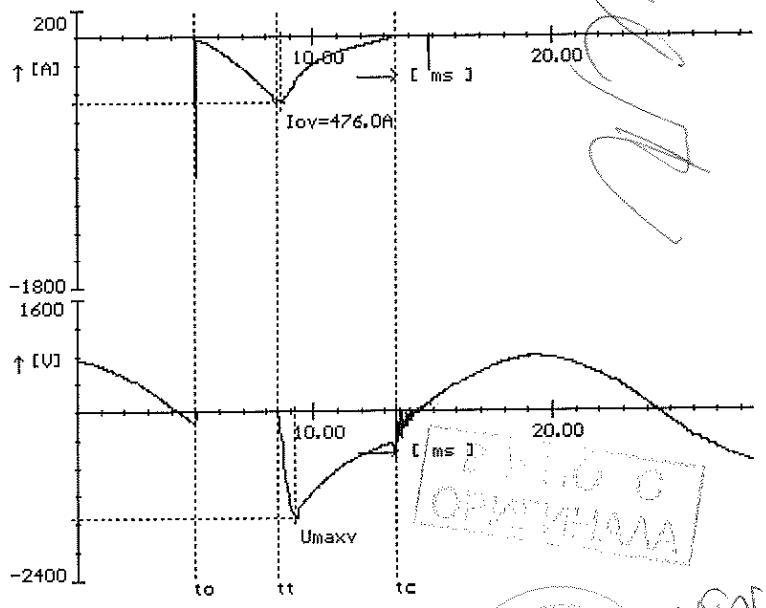
I2098



PV10gG, In = 12 A, dU = 91 mV, č.15 Záznam číslo 98504 ze dne 28. 3.2006

Nastavené hodnoty		
Ip =	470.93	A
Uef =	548	V
cosfi=	0.27	
Naměřené hodnoty		
tt =	3.50	ms
tc =	8.47	ms
It =	472.00	A
Io =	476.00	A
Umax =	1544	V
Uzot =	560	V
I2tt =	253.17	A2s
I2tc =	469.69	A2s
Alfa =	1	st.el.
Psi =	61	st.el.
It =	1.00 x Ip	
Ri =	9999.00	MOhm

I2100



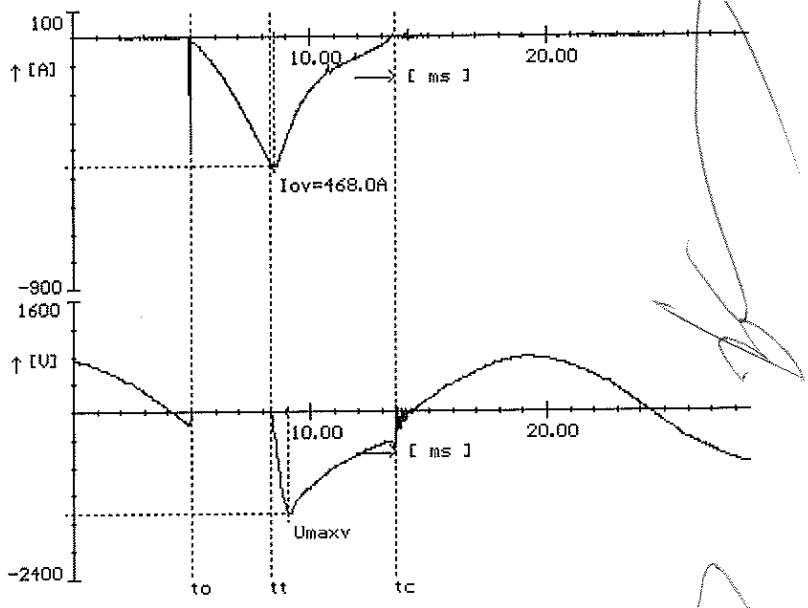
TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 12 A, dU = 90.5 mV, č.16 Záznam číslo 98505 ze dne 28. 3.2006

Nastavené hodnoty		
Ip =	470.93	A
Uef =	548	V
cosfi=	0.27	
Naměřené hodnoty		
tt =	3.37	ms
tc =	8.57	ms
It =	462.00	A
Io =	468.00	A
Umax =	1504	V
Uzot =	560	V
I2tt =	205.10	A2s
I2tc =	439.87	A2s
Alfa =	1	st.el.
Psi =	59	st.el.
It =	0.98 x Ip	
Ri =	9999.00	MOhm

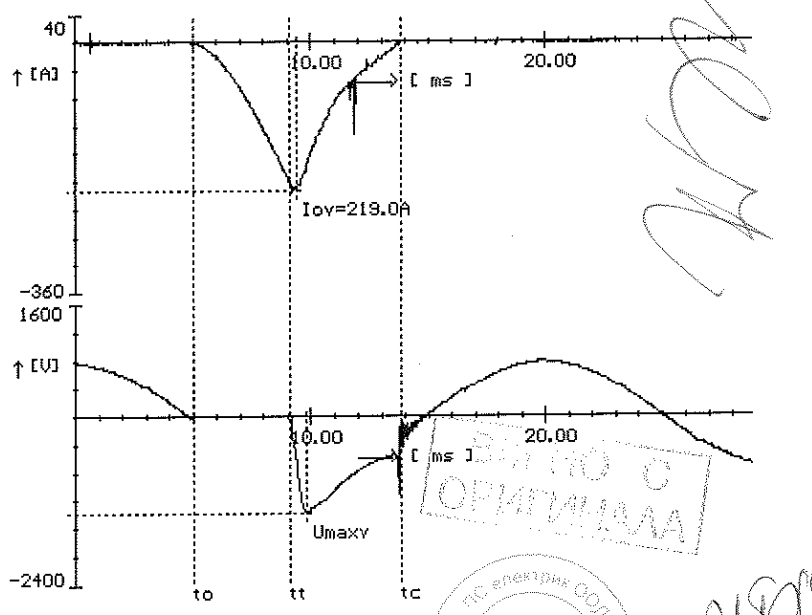
I2098



PV10gG, In = 6 A, dU = 118 mV, č.14.2 Záznam číslo 98519 ze dne 28. 3.2006

Nastavené hodnoty		
Ip =	210.36	A
Uef =	552	V
cosfi=	0.27	
Naměřené hodnoty		
tt =	4.13	ms
tc =	8.80	ms
It =	209.00	A
Io =	219.00	A
Umax =	1408	V
Uzot =	552	V
I2tt =	44.06	A2s
I2tc =	102.65	A2s
Alfa =	1	st.el.
Psi =	73	st.el.
It =	0.99 x Ip	
Ri =	9999.00	MOhm

I2099



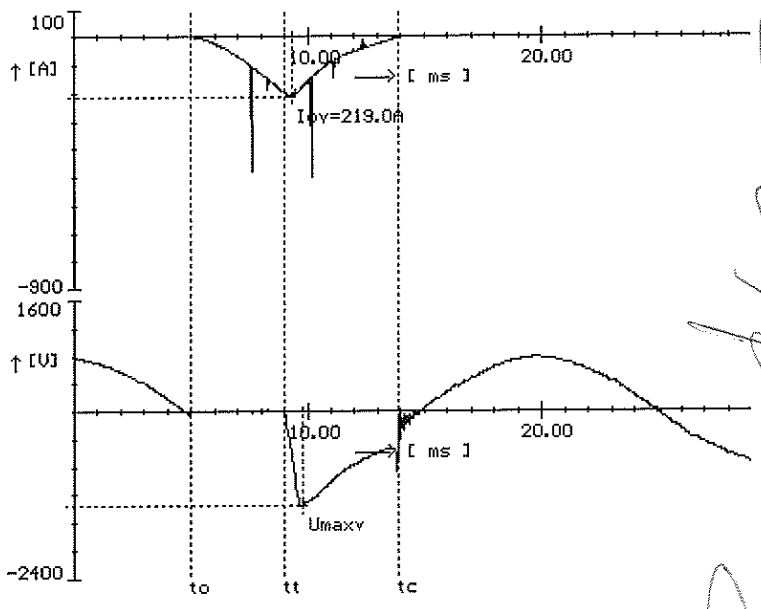
TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 6 A, dU = 118 mV, č.15 Záznam číslo 98520 ze dne 28. 3.2006

Nastavené hodnoty		
Ip =	210.36	A
Uef =	552	V
cosfi=	0.27	
Naměřené hodnoty		
tt =	4.00	ms
tc =	8.90	ms
It =	190.00	A
Io =	219.00	A
Umax =	1400	V
Uzot =	552	V
I2tt =	50.76	A2s
I2tc =	122.07	A2s
Alfa =	0	st.el.
Psi =	71	st.el.
It =	0.90 x Ip	
Ri =	9999.00	MOhm

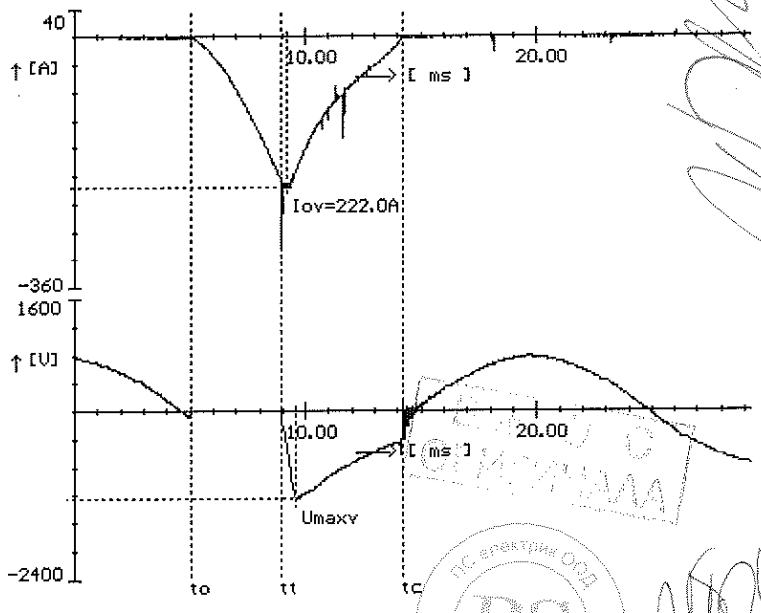
I2090



PV10gG, In = 6 A, dU = 118 mV, č.16 Záznam číslo 98521 ze dne 28. 3.2006

Nastavené hodnoty		
Ip =	210.36	A
Uef =	552	V
cosfi=	0.27	
Naměřené hodnoty		
tt =	3.93	ms
tc =	9.23	ms
It =	211.00	A
Io =	222.00	A
Umax =	1272	V
Uzot =	552	V
I2tt =	44.93	A2s
I2tc =	120.47	A2s
Alfa =	0	st.el.
Psi =	70	st.el.
It =	1.00 x Ip	
Ri =	9999.00	MOhm

I2100



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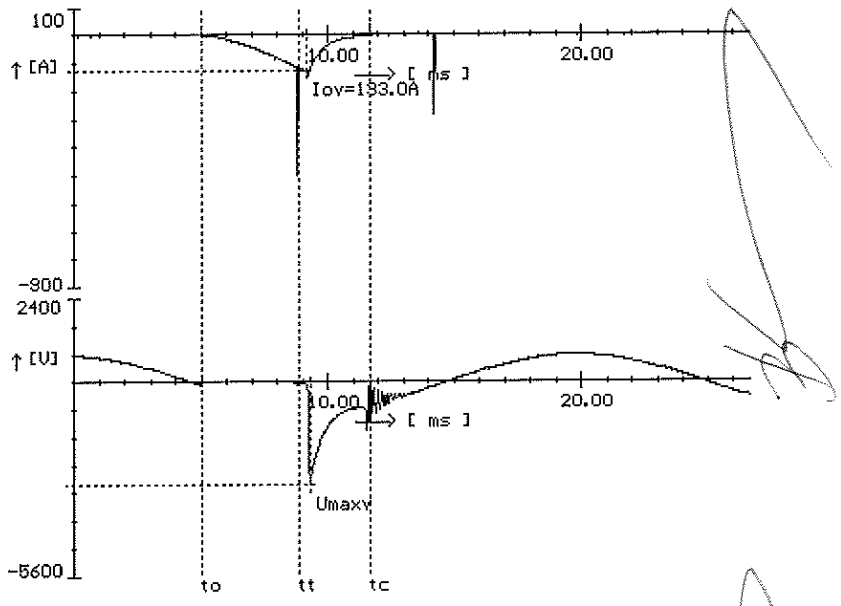
TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 4 A, dU = 210 mV, č.14.3 Záznam číslo 98527 ze dne 28. 3.2006

Nastavené hodnoty		
Ip =	124.45	A
Uef =	556	V
cosfi=	0.26	
Naměřené hodnoty		
tt =	3.90	ms
tc =	6.67	ms
It =	122.00	A
Io =	133.00	A
Umax =	2416	V
Uzot =	552	V
I2tt =	23.08	A2s
I2tc =	34.54	A2s
Alfa =	0	st.el.
Psi =	69	st.el.
It =	0.98 x Ip	
Ri =	9999.00	MOhm

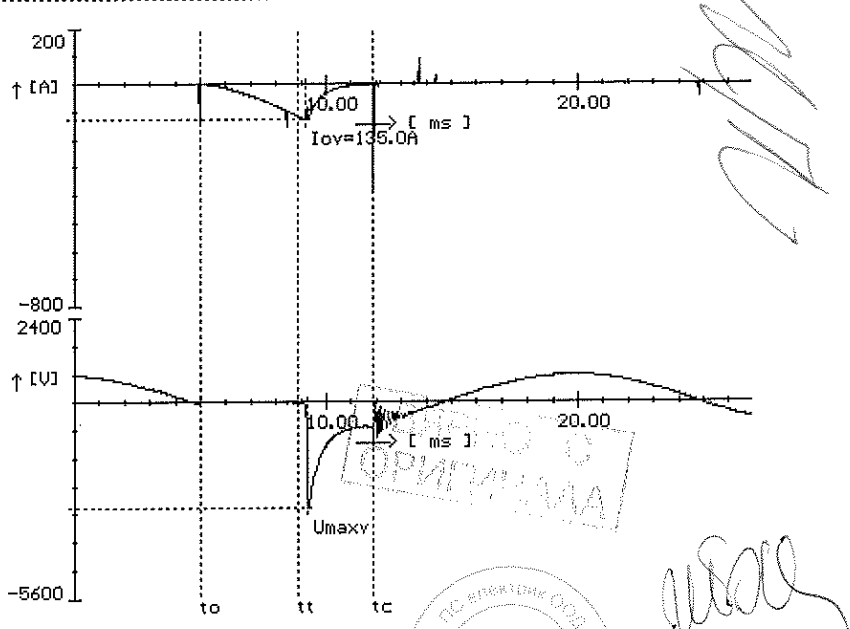
I2098



PV10gG, In = 4 A, dU = 209 mV, č.15 Záznam číslo 98528 ze dne 28. 3.2006

Nastavené hodnoty		
Ip =	124.45	A
Uef =	556	V
cosfi=	0.26	
Naměřené hodnoty		
tt =	3.87	ms
tc =	6.87	ms
It =	121.00	A
Io =	135.00	A
Umax =	2404	V
Uzot =	560	V
I2tt =	15.03	A2s
I2tc =	26.27	A2s
Alfa =	0	st.el.
Psi =	69	st.el.
It =	0.97 x Ip	
Ri =	9999.00	MOhm

I2097



TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

PV10gG, In = 4 A, dU = 208 mV, č.16 Záznam číslo 98529 ze dne 28. 3.2006

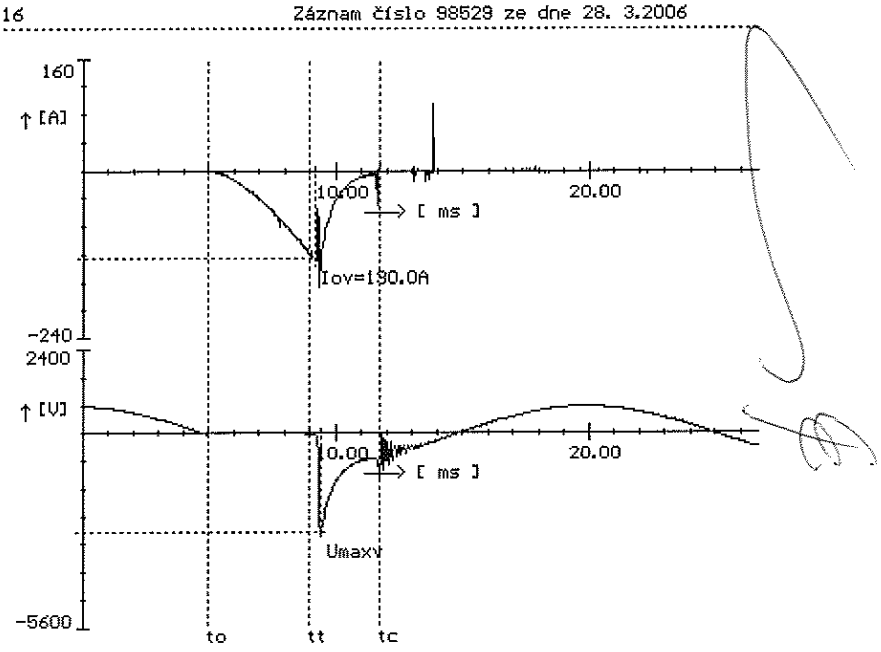
Nastavené hodnoty

Ip =	124.45	A
Uef =	556	V
cosfi=	0.26	

Naměřené hodnoty

tt =	3.97	ms
tc =	6.70	ms
It =	121.00	A
Io =	130.00	A
Umax =	2528	V
Uzot =	552	V
I2tt =	14.40	A2s
I2tc =	25.60	A2s
Alfa =	1	st.el.
Psi =	72	st.el.
It =	0.97 x Ip	
Ri =	9999.00	MOhm

I2097



TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

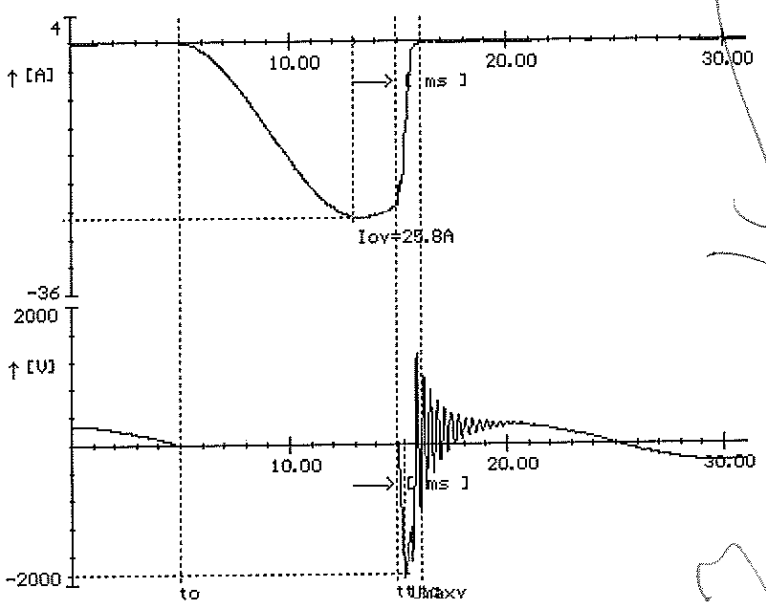
PV10gG, In = 2 A, dU = 280 mV, č.14 Záznam číslo 98645 ze dne 5. 4.2006

Nastavené hodnoty

Ip =	12.83	A
Uef =	188	V
cosfi=	0.26	

Naměřené hodnoty

tt =	9.90	ms
tc =	11.03	ms
It =	23.90	A
Io =	25.80	A
Umax =	1912	V
Uzot =	192	V
I2tt =	3.10	A2s
I2tc =	3.30	A2s
Alfa =	0	st.el.
Psi =	177	st.el.
It =	1.86 x Ip	
Ri =	9999.00	MOhm



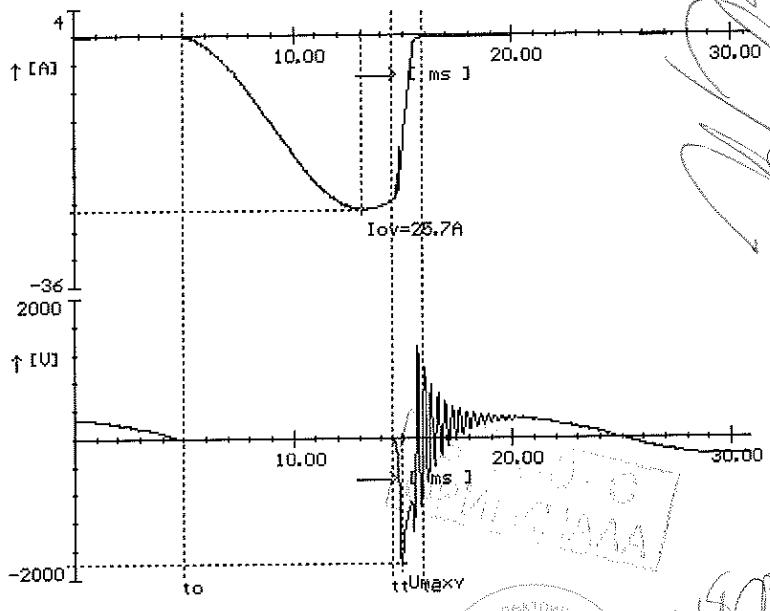
PV10gG, In = 2 A, dU = 281 mV, č.15 Záznam číslo 98646 ze dne 5. 4.2006

Nastavené hodnoty

Ip =	12.83	A
Uef =	188	V
cosfi=	0.26	

Naměřené hodnoty

tt =	9.53	ms
tc =	10.93	ms
It =	24.40	A
Io =	25.70	A
Umax =	1848	V
Uzot =	192	V
I2tt =	2.89	A2s
I2tc =	3.18	A2s
Alfa =	0	st.el.
Psi =	171	st.el.
It =	1.90 x Ip	
Ri =	9999.00	MOhm

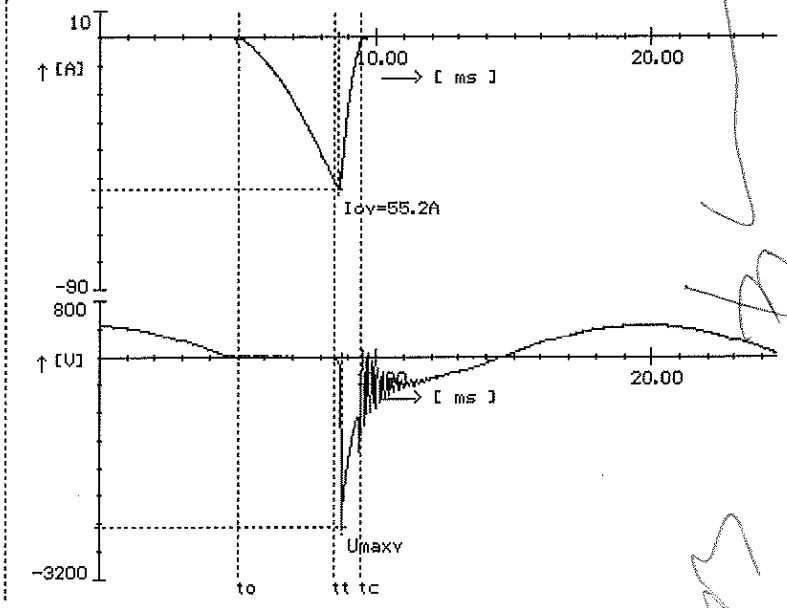


TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

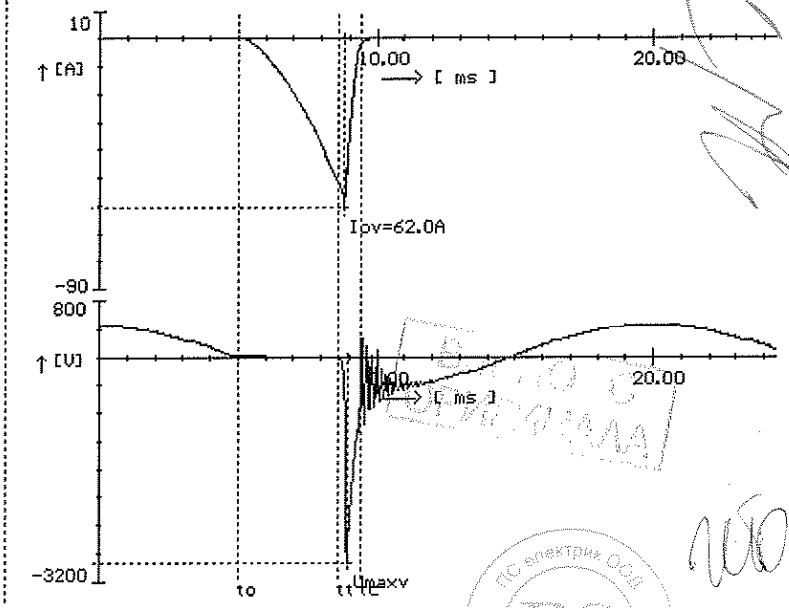
PV10gG, In = 2 A, dU = 261 mV, č.16 Záznam číslo 98651 ze dne 5. 4.2006

Nastavené hodnoty		
Ip =	65.62	A
Uef =	324	V
cosfi=	0.25	
Naměřené hodnoty		
tt =	3.47	ms
tc =	4.47	ms
It =	52.00	A
Io =	55.20	A
Umax =	2512	V
Uzot =	320	V
I2tt =	2.38	A2s
I2tc =	3.66	A2s
Alfa =	7	st.el.
Psi =	69	st.el.
It =	0.79 x Ip	
Ri =	9999.00	MOhm



PV10gG, In = 2 A, dU = 262 mV, č.17 Záznam číslo 98652 ze dne 5. 4.2006

Nastavené hodnoty		
Ip =	65.62	A
Uef =	324	V
cosfi=	0.25	
Naměřené hodnoty		
tt =	3.60	ms
tc =	4.40	ms
It =	52.40	A
Io =	62.00	A
Umax =	3000	V
Uzot =	328	V
I2tt =	2.36	A2s
I2tc =	3.61	A2s
Alfa =	0	st.el.
Psi =	64	st.el.
It =	0.80 x Ip	
Ri =	9999.00	MOhm



TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

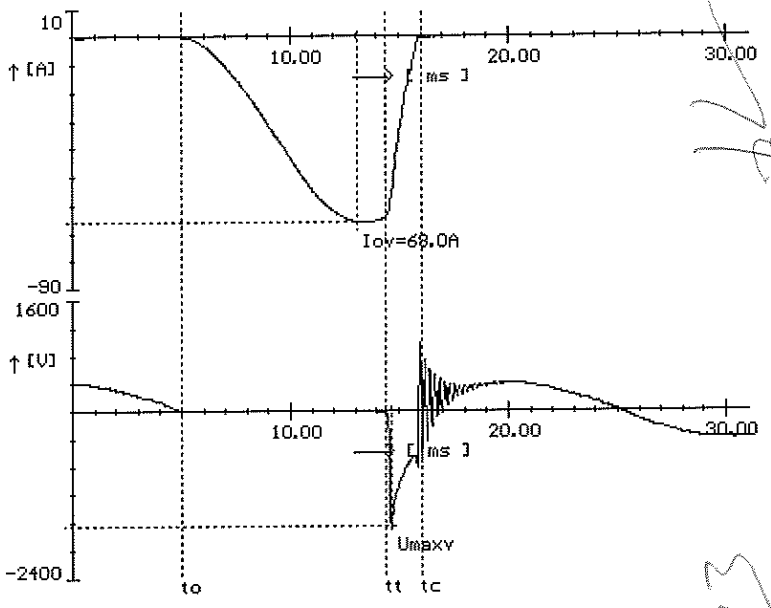
PV10gG, In = 4 A, dU = 215 mV, č.20 Záznam číslo 98648 ze dne 5. 4.2006

Nastavené hodnoty

Ip =	34.47	A
Uef =	280	V
cosfi=	0.29	

Naměřené hodnoty

tt =	9.37	ms
tc =	11.03	ms
It =	66.00	A
Io =	68.00	A
Umax =	1696	V
Uzot =	288	V
I2tt =	19.27	A2s
I2tc =	21.50	A2s
Alfa =	3	st.el.
Psi =	171	st.el.
It =	1.91 x Ip	
Ri =	9999.00	MOhm



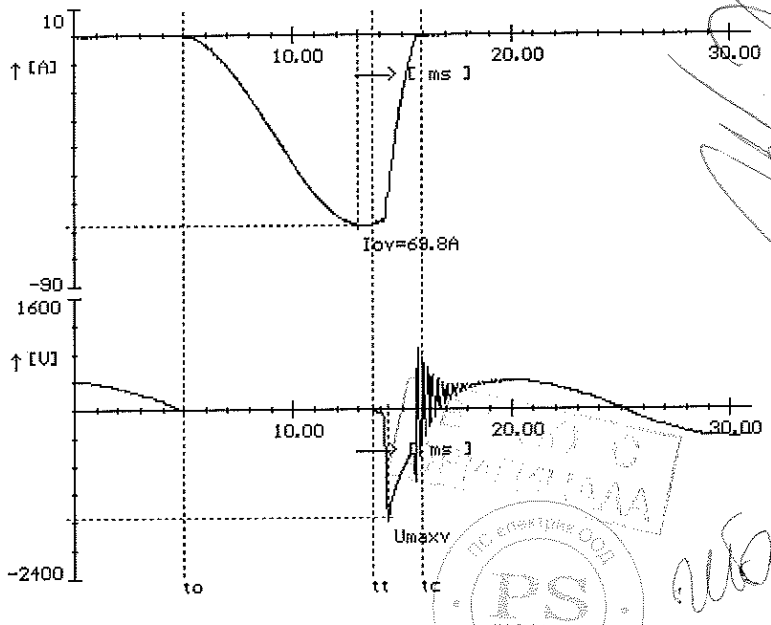
PV10gG, In = 4 A, dU = 216 mV, č.21 Záznam číslo 98649 ze dne 5. 4.2006

Nastavené hodnoty

Ip =	34.47	A
Uef =	280	V
cosfi=	0.29	

Naměřené hodnoty

tt =	8.70	ms
tc =	10.93	ms
It =	69.20	A
Io =	69.80	A
Umax =	1568	V
Uzot =	288	V
I2tt =	17.66	A2s
I2tc =	21.84	A2s
Alfa =	1	st.el.
Psi =	157	st.el.
It =	2.01 x Ip	
Ri =	9999.00	MOhm

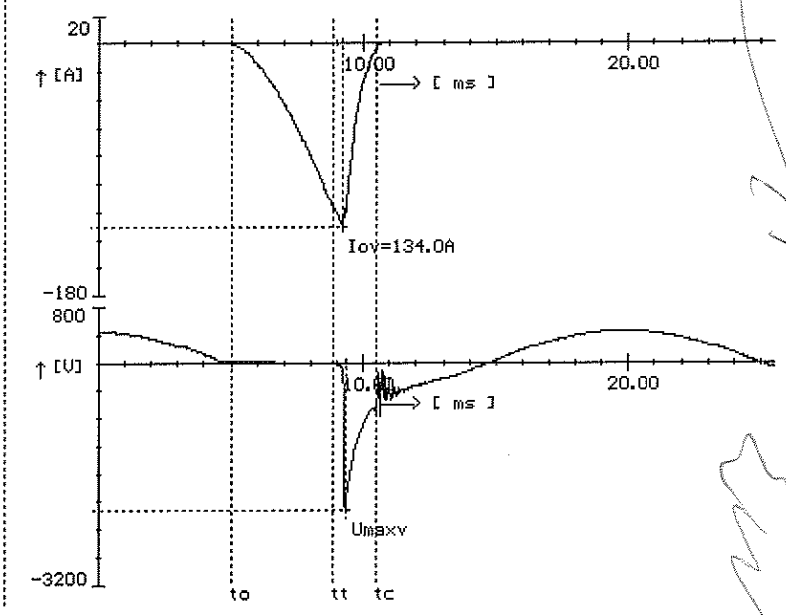


TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

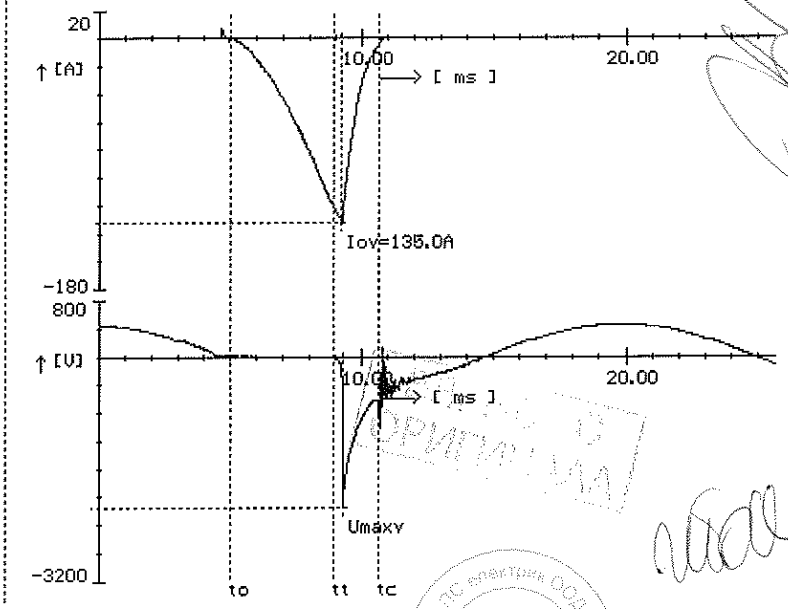
PV10gG, In = 4 A, dU = 200 mV, č.22 Záznam číslo 98661 ze dne 5. 4.2006

Nastavené hodnoty		
Ip =	129.75	A
Uef =	324	V
cosfi=	0.27	
Naměřené hodnoty		
tt =	3.87	ms
tc =	5.50	ms
It =	120.00	A
Io =	134.00	A
Umax =	2192	V
Uzot =	328	V
I2tt =	13.98	A2s
I2tc =	24.91	A2s
Alfa =	5	st.el.
Psi =	74	st.el.
It =	0.92 x Ip	
Ri =	9999.00	MOhm



PV10gG, In = 4 A, dU = 213 mV, č.23 Záznam číslo 98662 ze dne 5. 4.2006

Nastavené hodnoty		
Ip =	129.75	A
Uef =	324	V
cosfi=	0.27	
Naměřené hodnoty		
tt =	3.93	ms
tc =	5.63	ms
It =	125.00	A
Io =	135.00	A
Umax =	2200	V
Uzot =	328	V
I2tt =	15.84	A2s
I2tc =	26.15	A2s
Alfa =	4	st.el.
Psi =	74	st.el.
It =	0.96 x Ip	
Ri =	9999.00	MOhm

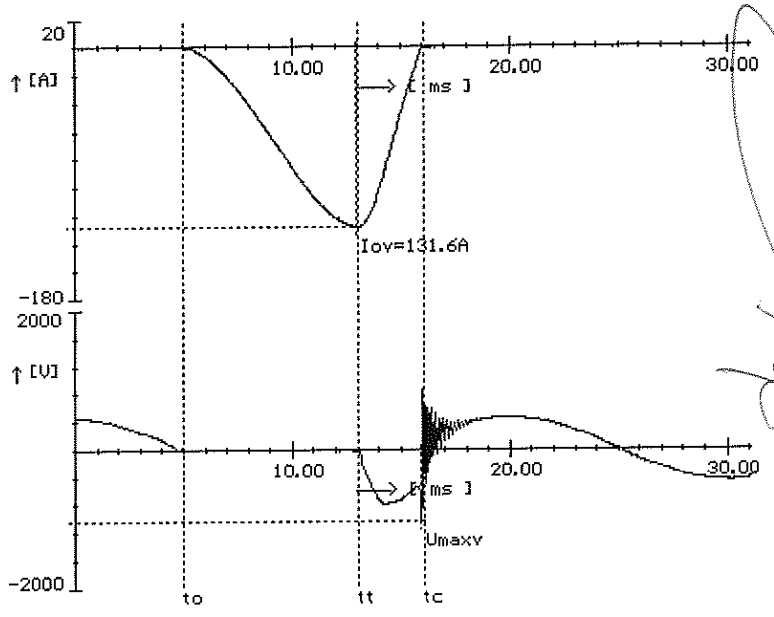


TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

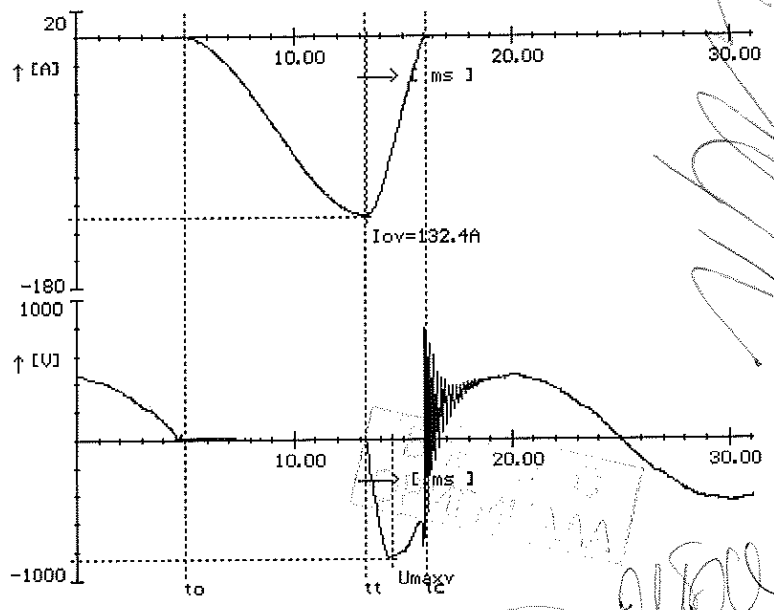
PV10gG, In = 6 A, dU = 120 mV, č.20 Záznam číslo 98653 ze dne 5. 4.2006

Nastavené hodnoty		
Ip =	65.62	A
Uef =	324	V
cosfi=	0.25	
Naměřené hodnoty		
tt =	8.07	ms
tc =	11.07	ms
It =	131.60	A
Io =	131.60	A
Umax =	1056	V
Uzot =	328	V
I2tt =	51.04	A2s
I2tc =	72.14	A2s
Alfa =	5	st.el.
Psi =	149	st.el.
It =	2.01 x Ip	
Ri =	9999.00	MOhm



PV10gG, In = 6 A, dU = 125 mV, č.21 Záznam číslo 98654 ze dne 5. 4.2006

Nastavené hodnoty		
Ip =	65.62	A
Uef =	324	V
cosfi=	0.25	
Naměřené hodnoty		
tt =	8.27	ms
tc =	11.07	ms
It =	131.60	A
Io =	132.40	A
Umax =	872	V
Uzot =	328	V
I2tt =	53.49	A2s
I2tc =	73.72	A2s
Alfa =	2	st.el.
Psi =	150	st.el.
It =	2.01 x Ip	
Ri =	9999.00	MOhm

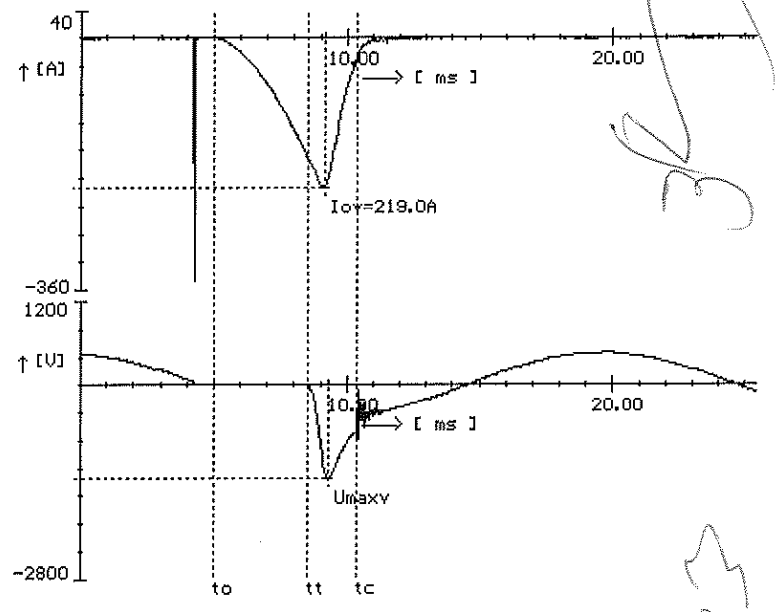


TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

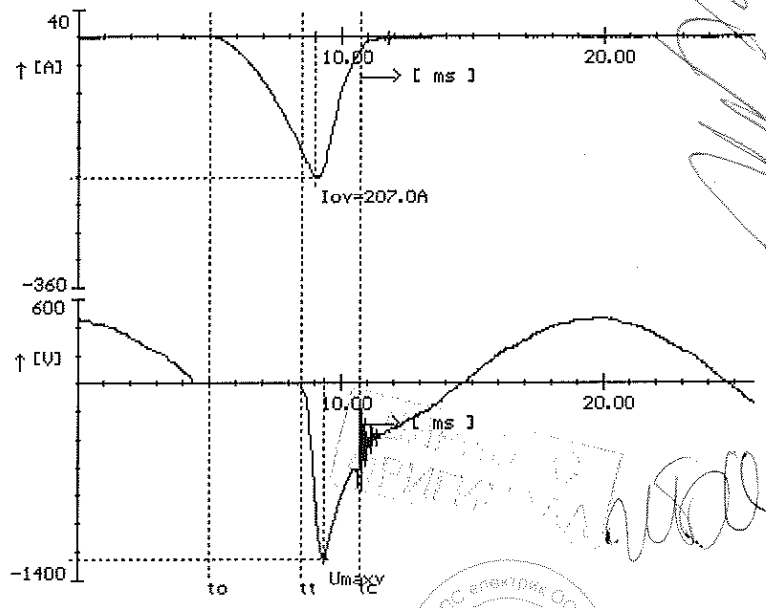
PV10gG, In = 6 A, dU = 113 mV, č.22 Záznam číslo 98671 ze dne 5. 4.2006

Nastavené hodnoty			
Ip	=	220.97	A
Uef	=	324	V
cosfi	=	0.23	
Naměřené hodnoty			
tt	=	3.57	ms
tc	=	5.40	ms
It	=	178.00	A
Io	=	219.00	A
Umax	=	1376	V
Uzot	=	328	V
I2tt	=	26.52	A2s
I2tc	=	72.02	A2s
Alfa	=	8	st.el.
Psi	=	72	st.el.
It	=	0.81 x Ip	
Ri	=	9999.00	MOhm



PV10gG, In = 6 A, dU = 113 mV, č.23 Záznam číslo 98672 ze dne 5. 4.2006

Nastavené hodnoty			
Ip	=	220.97	A
Uef	=	324	V
cosfi	=	0.23	
Naměřené hodnoty			
tt	=	3.50	ms
tc	=	5.73	ms
It	=	168.00	A
Io	=	207.00	A
Umax	=	1288	V
Uzot	=	328	V
I2tt	=	22.50	A2s
I2tc	=	69.08	A2s
Alfa	=	7	st.el.
Psi	=	70	st.el.
It	=	0.76 x Ip	
Ri	=	9999.00	MOhm



TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

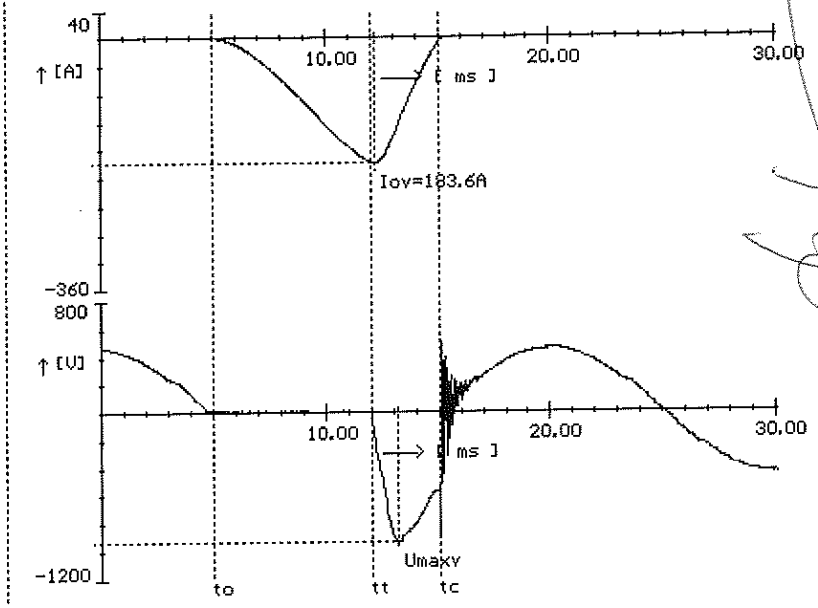
PV10gG, In = 8 A, dU = 108 mV, č.14 — Záznam číslo 98658 ze dne 5. 4.2006

Nastavené hodnoty

Ip =	95.64	A
Uef =	324	V
cosfi=	0.23	

Naměřené hodnoty

tt =	7.00	ms
tc =	10.03	ms
It =	182.00	A
Io =	183.60	A
Umax =	960	V
Uzot =	328	V
I2tt =	69.63	A2s
I2tc =	113.24	A2s
Alfa =	4	st.el.
Psi =	129	st.el.
It =	1.90 x Ip	
Ri =	9999.00	MOhm



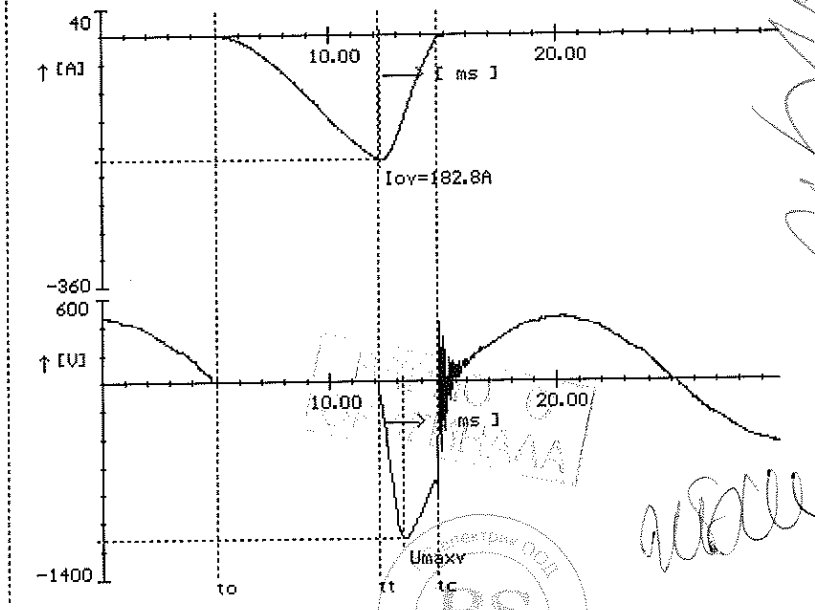
PV10gG, In = 8 A, dU = 109 mV, č.15 — Záznam číslo 98659 ze dne 5. 4.2006

Nastavené hodnoty

Ip =	95.64	A
Uef =	324	V
cosfi=	0.23	

Naměřené hodnoty

tt =	7.13	ms
tc =	9.73	ms
It =	182.00	A
Io =	182.80	A
Umax =	1152	V
Uzot =	328	V
I2tt =	69.99	A2s
I2tc =	107.90	A2s
Alfa =	0	st.el.
Psi =	128	st.el.
It =	1.90 x Ip	
Ri =	9999.00	MOhm



TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

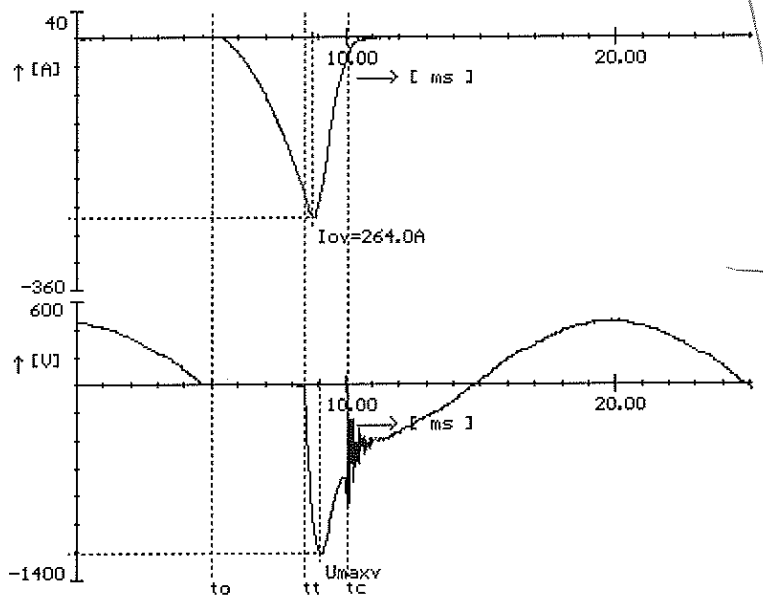
PV10gG, In = 8 A, dU = 101 mV, č.16 Záznam číslo 98679 ze dne 5. 4.2006

Nastavené hodnoty

Ip =	315.20	A
Uef =	324	V
cosfi=	0.24	

Naměřené hodnoty

tt =	3.47	ms
tc =	5.07	ms
It =	226.00	A
Io =	264.00	A
Umax =	1248	V
Uzot =	328	V
I2tt =	38.73	A2s
I2tc =	93.50	A2s
Alfa =	4	st.el.
Psi =	66	st.el.
It =	0.72 x Ip	
Ri =	9999.00	MOhm



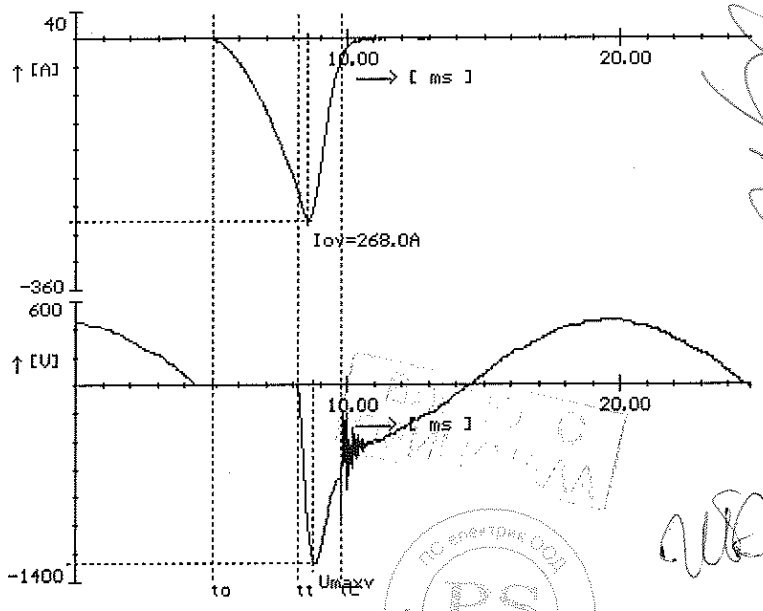
PV10gG, In = 8 A, dU = 101 mV, č.17 Záznam číslo 98680 ze dne 5. 4.2006

Nastavené hodnoty

Ip =	315.20	A
Uef =	324	V
cosfi=	0.24	

Naměřené hodnoty

tt =	3.20	ms
tc =	4.77	ms
It =	226.00	A
Io =	268.00	A
Umax =	1296	V
Uzot =	328	V
I2tt =	39.01	A2s
I2tc =	96.98	A2s
Alfa =	10	st.el.
Psi =	67	st.el.
It =	0.72 x Ip	
Ri =	9999.00	MOhm



TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

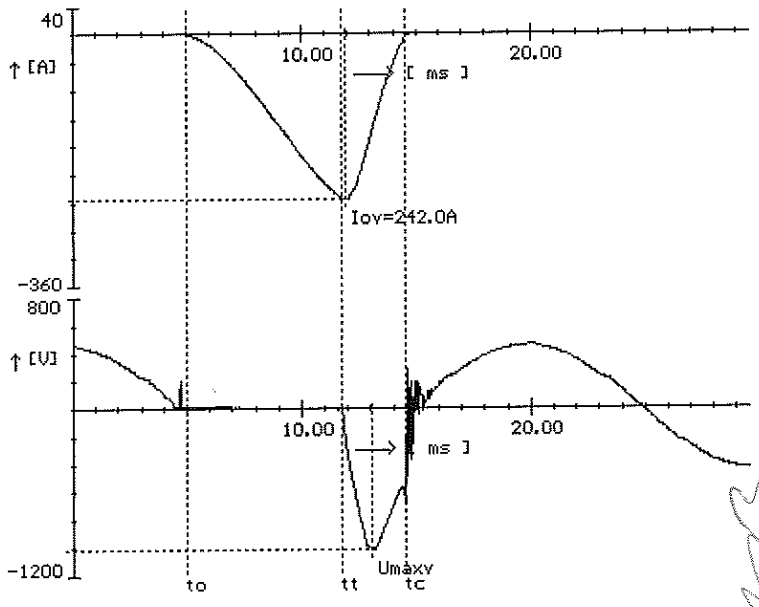
PV10gG, In = 10 A, dU = 104 mV, č.8 Záznam číslo 98663 ze dne 5. 4.2006

Nastavené hodnoty

Ip =	129.75	A
Uef =	324	V
cosfi=	0.27	

Naměřené hodnoty

tt =	6.77	ms
tc =	9.63	ms
It =	241.00	A
Io =	242.00	A
Umax =	1040	V
Uzot =	328	V
I2tt =	121.86	A2s
I2tc =	187.93	A2s
Alfa =	3	st.el.
Psi =	124	st.el.
It =	1.86 x Ip	
Ri =	9999.00	MOhm



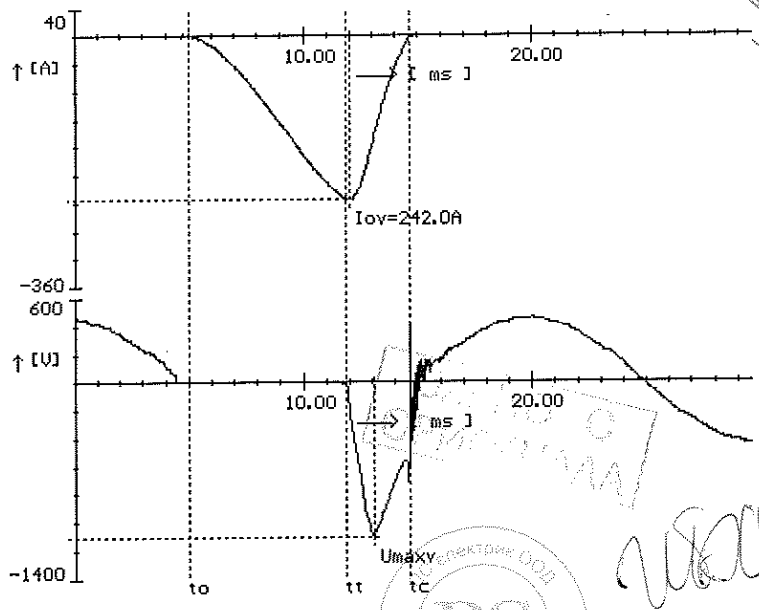
PV10gG, In = 10 A, dU = 104 mV, č.9 Záznam číslo 98664 ze dne 5. 4.2006

Nastavené hodnoty

Ip =	129.75	A
Uef =	324	V
cosfi=	0.27	

Naměřené hodnoty

tt =	6.87	ms
tc =	9.60	ms
It =	241.00	A
Io =	242.00	A
Umax =	1128	V
Uzot =	328	V
I2tt =	123.57	A2s
I2tc =	188.35	A2s
Alfa =	2	st.el.
Psi =	125	st.el.
It =	1.86 x Ip	
Ri =	9999.00	MOhm

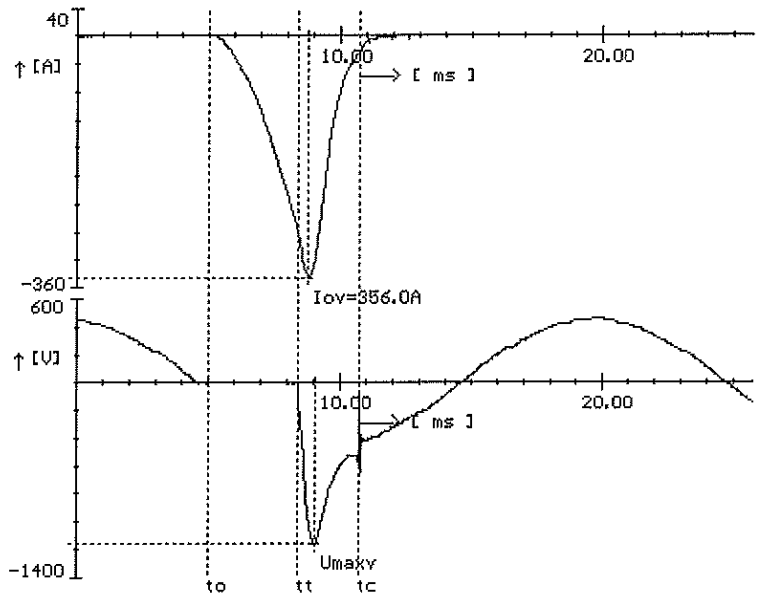


TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

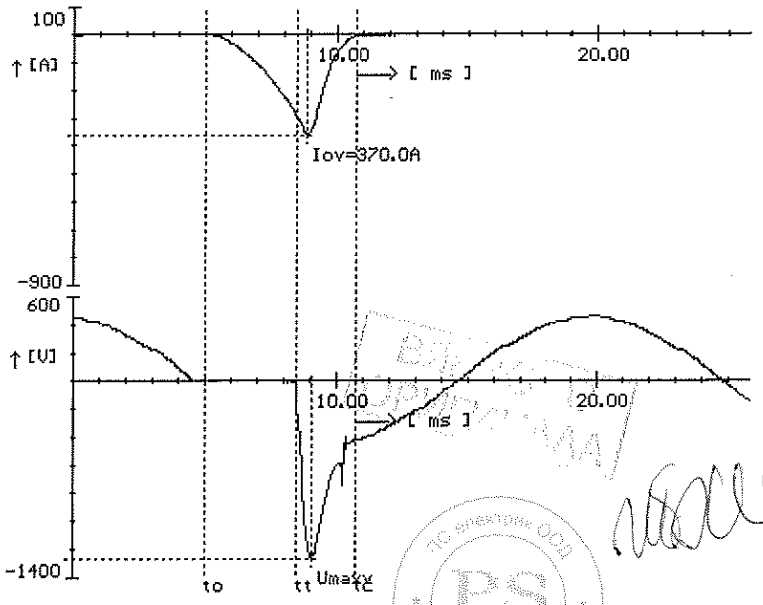
PV10gG, In = 10 A, dU = 86 mV, č.10 Záznam číslo 98682 ze dne 5. 4.2006

Nastavené hodnoty		
Ip =	403.76	A
Uef =	320	V
cosfi=	0.25	
Naměřené hodnoty		
tt =	3.40	ms
tc =	5.70	ms
It =	286.00	A
Io =	356.00	A
Umax =	1192	V
Uzot =	328	V
I2tt =	62.61	A2s
I2tc =	175.38	A2s
Alfa =	8	st.el.
Psi =	69	st.el.
It =	0.71 x Ip	
Ri =	9999.00	MOhm



PV10gG, In = 10 A, dU = 96.5 mV, č.11 Záznam číslo 98683 ze dne 5. 4.2006

Nastavené hodnoty		
Ip =	403.76	A
Uef =	320	V
cosfi=	0.25	
Naměřené hodnoty		
tt =	3.50	ms
tc =	5.77	ms
It =	300.00	A
Io =	370.00	A
Umax =	1296	V
Uzot =	320	V
I2tt =	67.93	A2s
I2tc =	178.13	A2s
Alfa =	7	st.el.
Psi =	70	st.el.
It =	0.74 x Ip	
Ri =	9999.00	MOhm

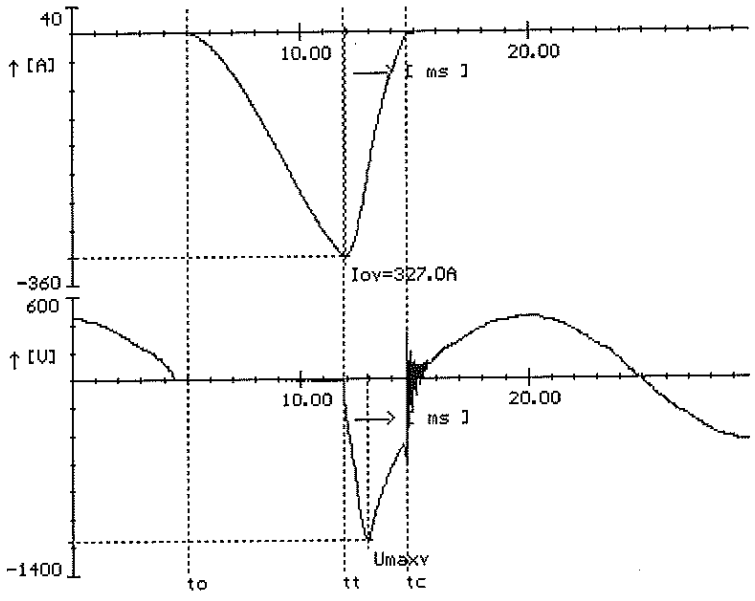


TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

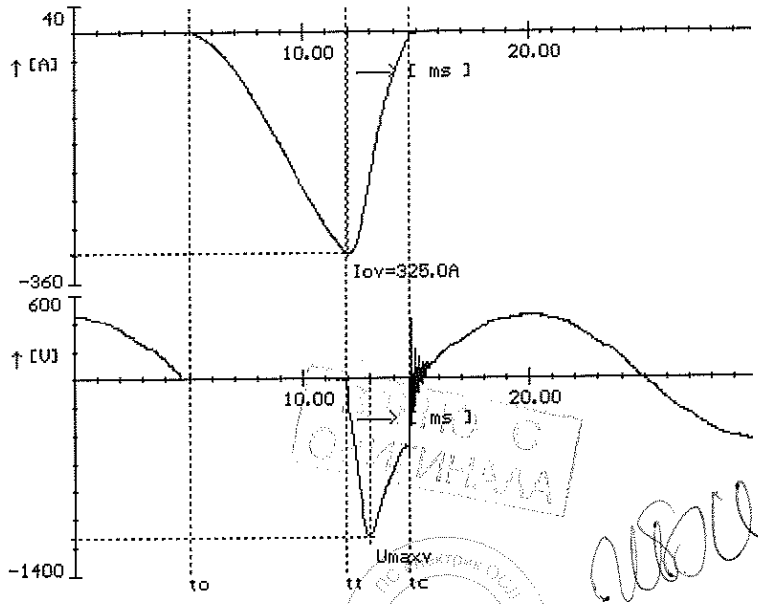
PV10gG, In = 12 A, dU = 94.6 mV, č.20 Záznam číslo 98668 ze dne 5. 4.2006

Nastavené hodnoty		
Ip =	174.66	A
Uef =	324	V
cosfi=	0.26	
Naměřené hodnoty		
tt =	6.83	ms
tc =	9.67	ms
It =	325.00	A
Io =	327.00	A
Umax =	1184	V
Uzot =	328	V
I2tt =	220.17	A2s
I2tc =	334.06	A2s
Alfa =	5	st.el.
Psi =	127	st.el.
It =	1.86 x Ip	
Ri =	9999.00	MOhm



PV10gG, In = 12 A, dU = 94 mV, č.21 Záznam číslo 98669 ze dne 5. 4.2006

Nastavené hodnoty		
Ip =	174.66	A
Uef =	324	V
cosfi=	0.26	
Naměřené hodnoty		
tt =	6.93	ms
tc =	9.73	ms
It =	324.00	A
Io =	325.00	A
Umax =	1160	V
Uzot =	320	V
I2tt =	220.73	A2s
I2tc =	330.36	A2s
Alfa =	0	st.el.
Psi =	124	st.el.
It =	1.86 x Ip	
Ri =	9999.00	MOhm

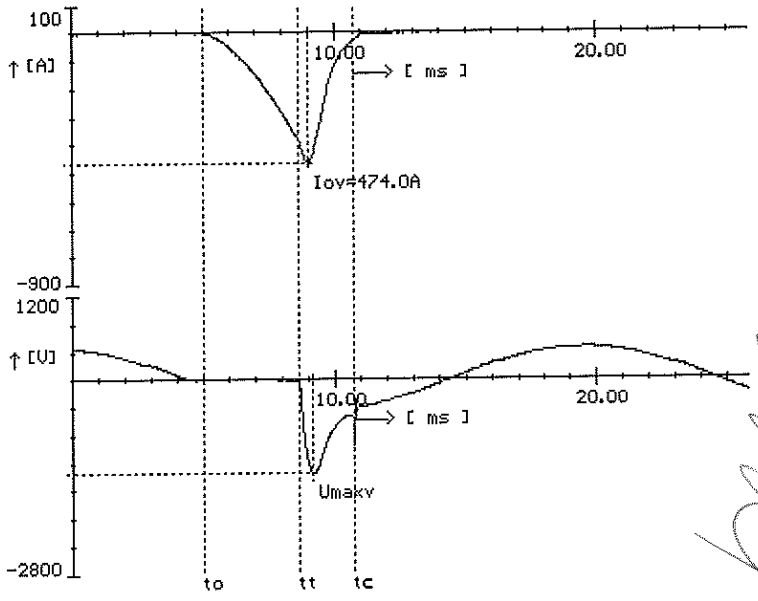


TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

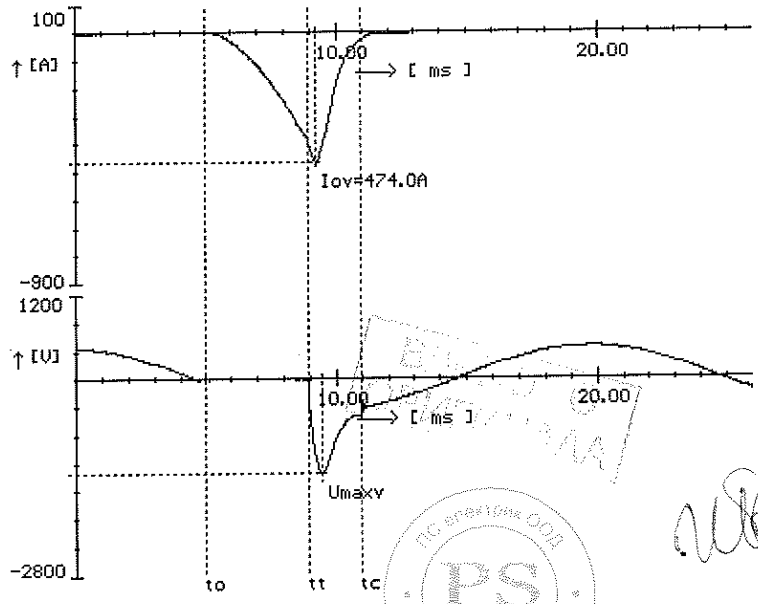
PV10gG, In = 12 A, dU = 86.5 mV, č.22 Záznam číslo 98689 ze dne 5. 4.2006

Nastavené hodnoty		
Ip =	450.77	A
Uef =	320	V
cosfi=	0.25	
Naměřené hodnoty		
tt =	3.63	ms
tc =	5.77	ms
It =	386.00	A
Io =	474.00	A
Umax =	1384	V
Uzot =	328	V
I2tt =	131.60	A2s
I2tc =	316.63	A2s
Alfa =	11	st.el.
Psi =	76	st.el.
It =	0.86 x Ip	
Ri =	9999.00	MOhm



PV10gG, In = 12 A, dU = 86.5 mV, č.23 Záznam číslo 98690 ze dne 5. 4.2006

Nastavené hodnoty		
Ip =	450.77	A
Uef =	320	V
cosfi=	0.25	
Naměřené hodnoty		
tt =	3.90	ms
tc =	5.93	ms
It =	392.00	A
Io =	474.00	A
Umax =	1384	V
Uzot =	328	V
I2tt =	136.93	A2s
I2tc =	315.05	A2s
Alfa =	6	st.el.
Psi =	76	st.el.
It =	0.87 x Ip	
Ri =	9999.00	MOhm

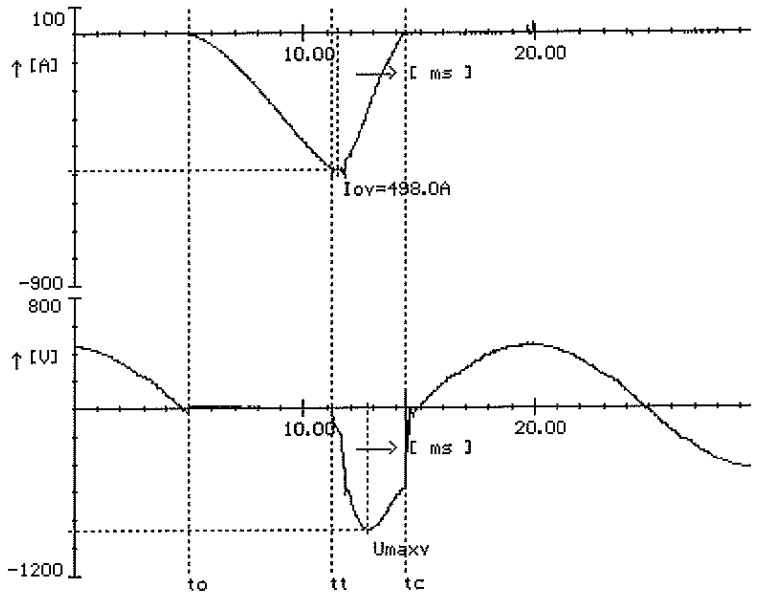


TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

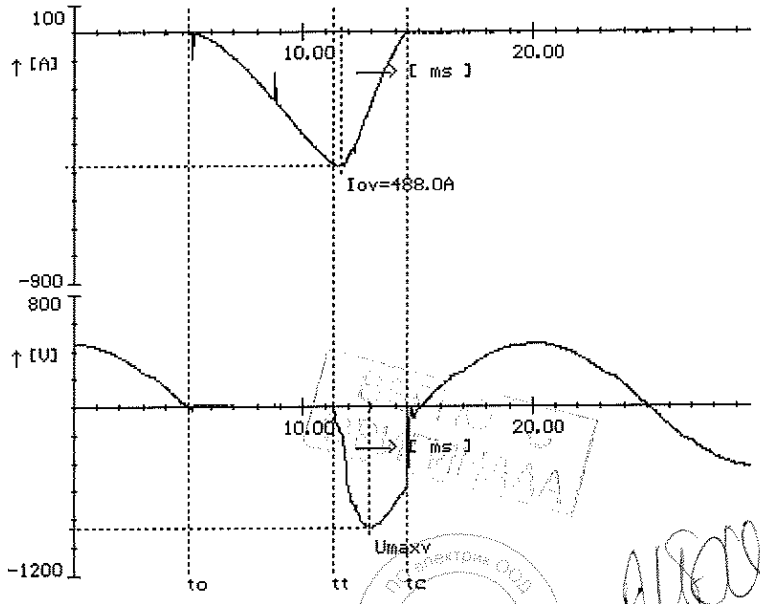
PV10gG, In = 16 A, dU = 89 mV, č.14 Záznam číslo 99982 ze dne 8. 6.2006

Nastavené hodnoty		
Ip =	278.25	A
Uef =	324	V
cosfi=	0.24	
Naměřené hodnoty		
tt =	6.17	ms
tc =	9.40	ms
It =	492.00	A
Io =	498.00	A
Umax =	896	V
Uzot =	328	V
I2tt =	448.24	A2s
I2tc =	781.86	A2s
Alfa =	2	st.el.
Psi =	112	st.el.
It =	1.77 x Ip	
Ri =	9999.00	MOhm



PV10gG, In = 16 A, dU = 89 mV, č.15 Záznam číslo 99983 ze dne 8. 6.2006

Nastavené hodnoty		
Ip =	278.25	A
Uef =	324	V
cosfi=	0.24	
Naměřené hodnoty		
tt =	6.33	ms
tc =	9.53	ms
It =	488.00	A
Io =	488.00	A
Umax =	888	V
Uzot =	320	V
I2tt =	429.26	A2s
I2tc =	747.69	A2s
Alfa =	0	st.el.
Psi =	114	st.el.
It =	1.75 x Ip	
Ri =	9999.00	MOhm

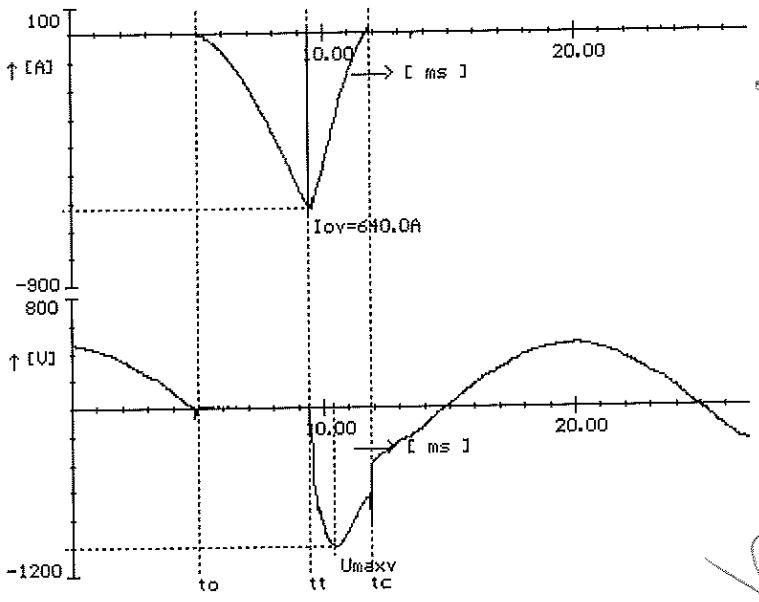


TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

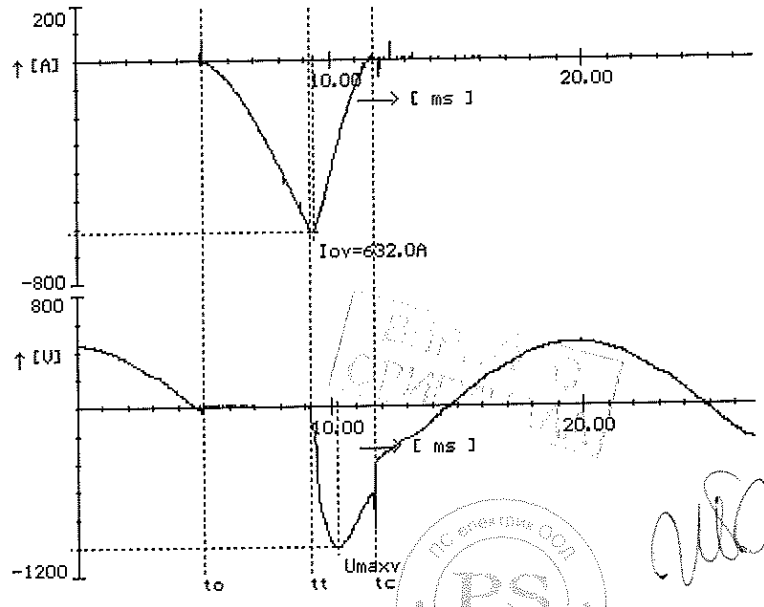
PV10gG, In = 16 A, dU = 84 mV, č.16 Záznam číslo 99977 ze dne 8. 6.2006

Nastavené hodnoty		
Ip =	543.77	A
Uef =	320	V
cosfi=	0.23	
Naměřené hodnoty		
tt =	4.40	ms
tc =	6.87	ms
It =	636.00	A
Io =	640.00	A
Umax =	1024	V
Uzot =	320	V
I2tt =	456.46	A2s
I2tc =	761.03	A2s
Alfa =	3	st.el.
Psi =	82	st.el.
It =	1.17 x Ip	
Ri =	9999.00	MOhm



PV10gG, In = 16 A, dU = 85 mV, č.17 Záznam číslo 99978 ze dne 8. 6.2006

Nastavené hodnoty		
Ip =	543.77	A
Uef =	320	V
cosfi=	0.23	
Naměřené hodnoty		
tt =	4.20	ms
tc =	6.73	ms
It =	624.00	A
Io =	632.00	A
Umax =	1032	V
Uzot =	320	V
I2tt =	429.80	A2s
I2tc =	752.26	A2s
Alfa =	5	st.el.
Psi =	80	st.el.
It =	1.15 x Ip	
Ri =	9999.00	MOhm



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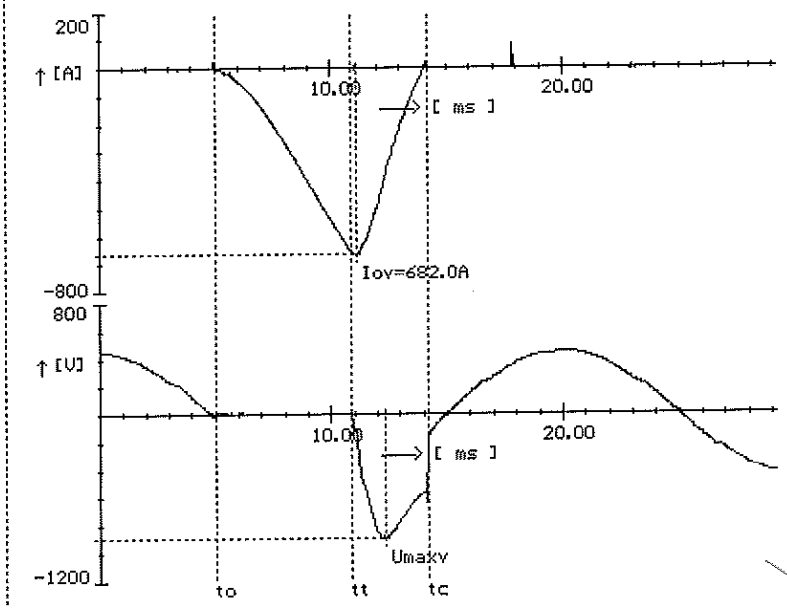
TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

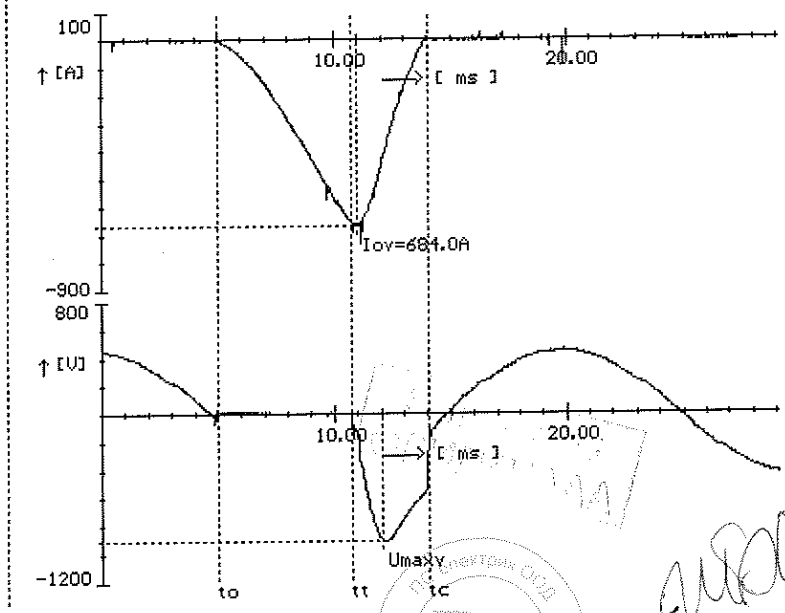
PV10gG, In = 20 A, dU = 80 mV, č.20 Záznam číslo 99980 ze dne 8. 6.2006

Nastavené hodnoty		
Ip =	408.00	A
Uef =	320	V
cosfi=	0.24	
Naměřené hodnoty		
tt =	5.87	ms
tc =	9.17	ms
It =	672.00	A
Io =	682.00	A
Umax =	920	V
Uzot =	320	V
I2tt =	740.98	A2s
I2tc =	1326.57	A2s
Alfa =	1	st.el.
Psi =	106	st.el.
It =	1.65 x Ip	
Ri =	9999.00	MOhm



PV10gG, In = 20 A, dU = 80.5 mV, č.21 Záznam číslo 99981 ze dne 8. 6.2006

Nastavené hodnoty		
Ip =	408.00	A
Uef =	320	V
cosfi=	0.24	
Naměřené hodnoty		
tt =	5.73	ms
tc =	9.07	ms
It =	672.00	A
Io =	684.00	A
Umax =	936	V
Uzot =	320	V
I2tt =	748.83	A2s
I2tc =	1356.44	A2s
Alfa =	4	st.el.
Psi =	107	st.el.
It =	1.65 x Ip	
Ri =	9999.00	MOhm

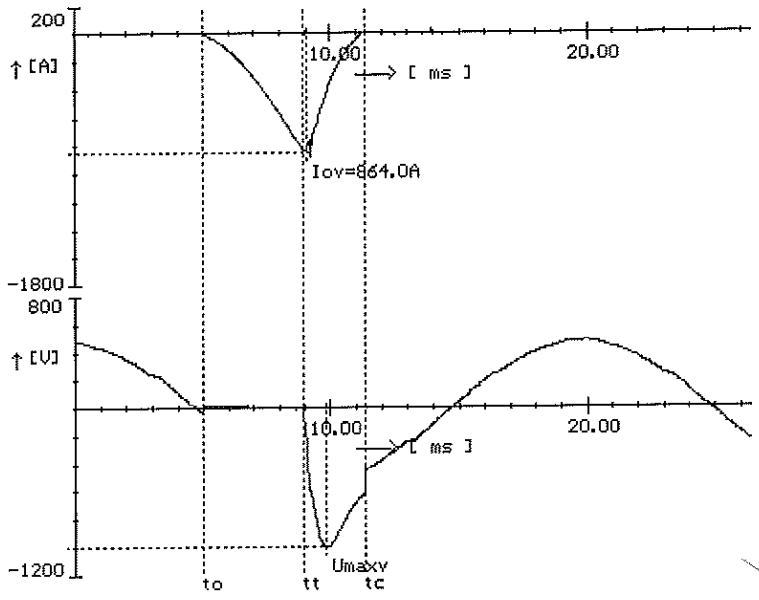


TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

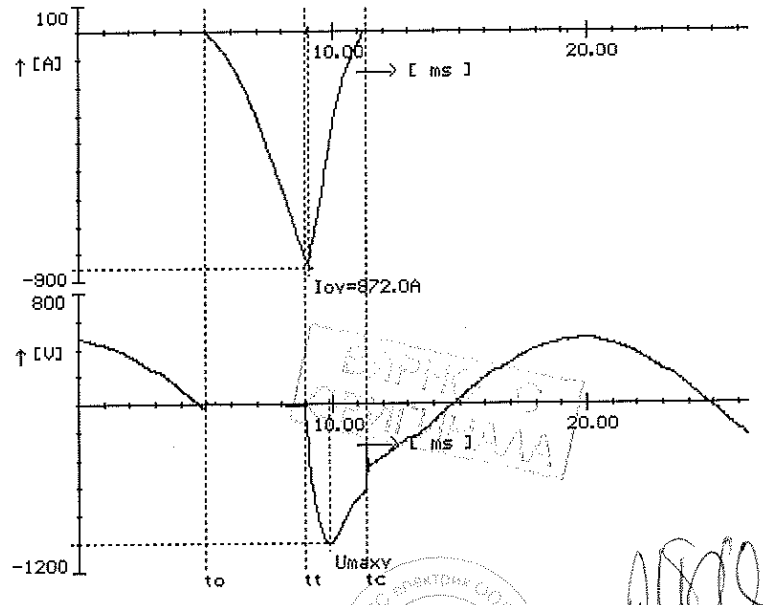
PV10gG, In = 20 A, dU = 79 mV, č.22 Záznam číslo 99972 ze dne 8. 6.2006

Nastavené hodnoty		
Ip =	793.37	A
Uef =	332	V
cosfi=	0.28	
Naměřené hodnoty		
tt =	3.83	ms
tc =	6.40	ms
It =	848.00	A
Io =	864.00	A
Umax =	1032	V
Uzot =	344	V
I2tt =	747.55	A2s
I2tc =	1263.84	A2s
Alfa =	6	st.el.
Psi =	76	st.el.
It =	1.07 x Ip	
Ri =	9999.00	MOhm



PV10gG, In = 20 A, dU = 80 mV, č.23 Záznam číslo 99973 ze dne 8. 6.2006

Nastavené hodnoty		
Ip =	793.37	A
Uef =	332	V
cosfi=	0.28	
Naměřené hodnoty		
tt =	3.93	ms
tc =	6.37	ms
It =	840.00	A
Io =	872.00	A
Umax =	1032	V
Uzot =	336	V
I2tt =	731.85	A2s
I2tc =	1236.53	A2s
Alfa =	5	st.el.
Psi =	75	st.el.
It =	1.06 x Ip	
Ri =	9999.00	MOhm



TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

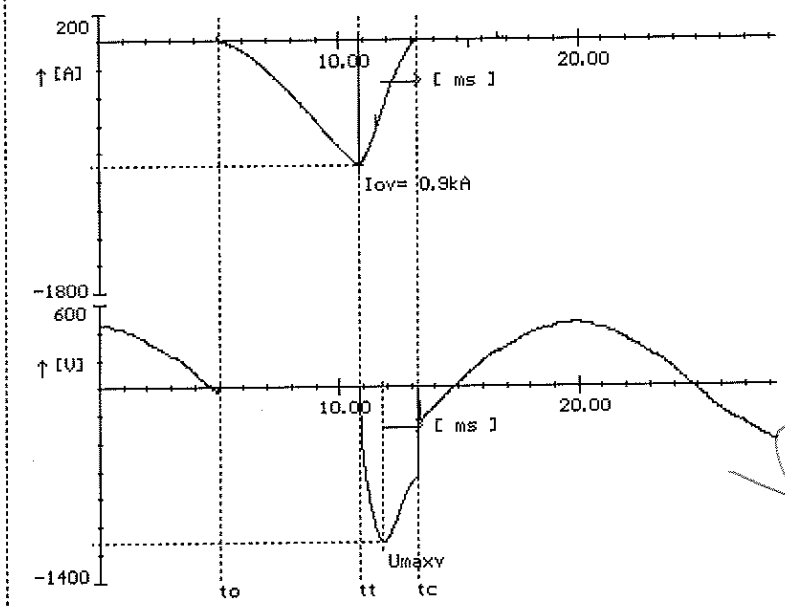
PV10gG, In = 25 A, dU = 76 mV, č.23 — Záznam číslo 99975 ze dne 8. 6.2006

Nastavené hodnoty

Ip =	543.77	A
Uef =	320	V
cosfi=	0.23	

Naměřené hodnoty

tt =	5.80	ms
tc =	8.30	ms
It =	916.00	A
Io =	916.00	A
Umax =	1144	V
Uzot =	328	V
I2tt =	1399.31	A2s
I2tc =	2073.68	A2s
Alfa =	4	st.el.
Psi =	108	st.el.
It =	1.68 x Ip	
Ri =	9999.00	MOhm



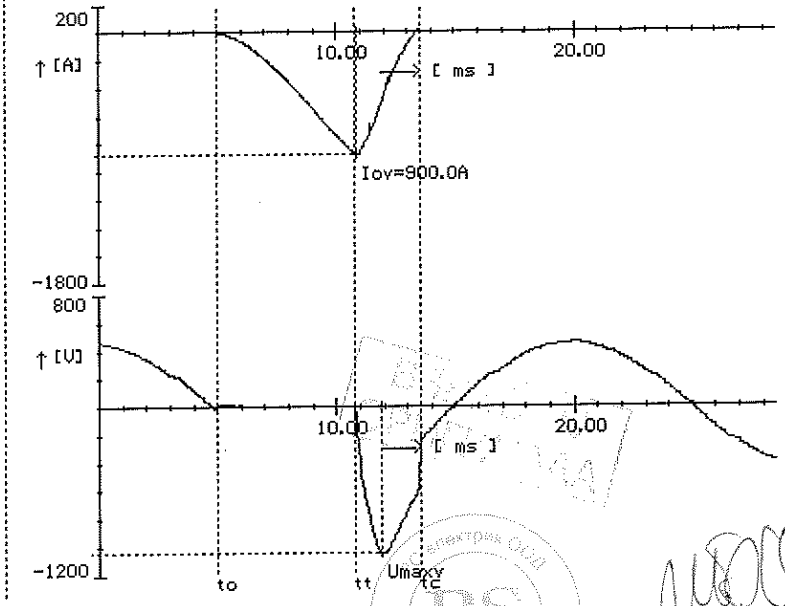
PV10gG, In = 25 A, dU = 76 mV, č.24 — Záznam číslo 99976 ze dne 8. 6.2006

Nastavené hodnoty

Ip =	543.77	A
Uef =	320	V
cosfi=	0.23	

Naměřené hodnoty

tt =	5.73	ms
tc =	8.50	ms
It =	888.00	A
Io =	900.00	A
Umax =	1072	V
Uzot =	320	V
I2tt =	1255.41	A2s
I2tc =	2044.06	A2s
Alfa =	1	st.el.
Psi =	104	st.el.
It =	1.63 x Ip	
Ri =	9999.00	MOhm



TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

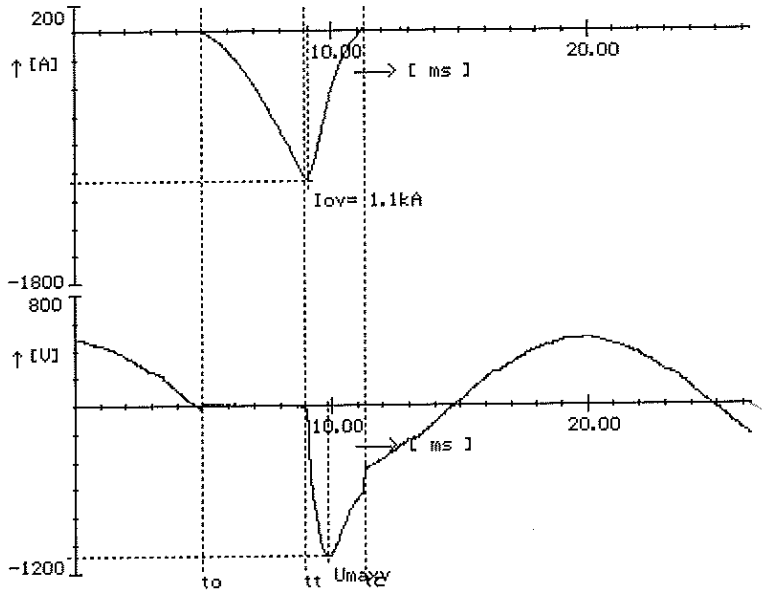
PV10gG, In = 25 A, dU = 74 mV, č.25 — Záznam číslo 99964 ze dne 8. 6.2006

Nastavené hodnoty

Ip =	1010	A
Uef =	340	V
cosfi=	0.26	

Naměřené hodnoty

tt =	4.00	ms
tc =	6.30	ms
It =	1072	A
Io =	1088	A
Umax =	1112	V
Uzot =	344	V
I2tt =	1199.62	A2s
I2tc =	1967.25	A2s
Alfa =	5	st.el.
Psi =	76	st.el.
It =	1.06 x Ip	
Ri =	9999.00	MOhm



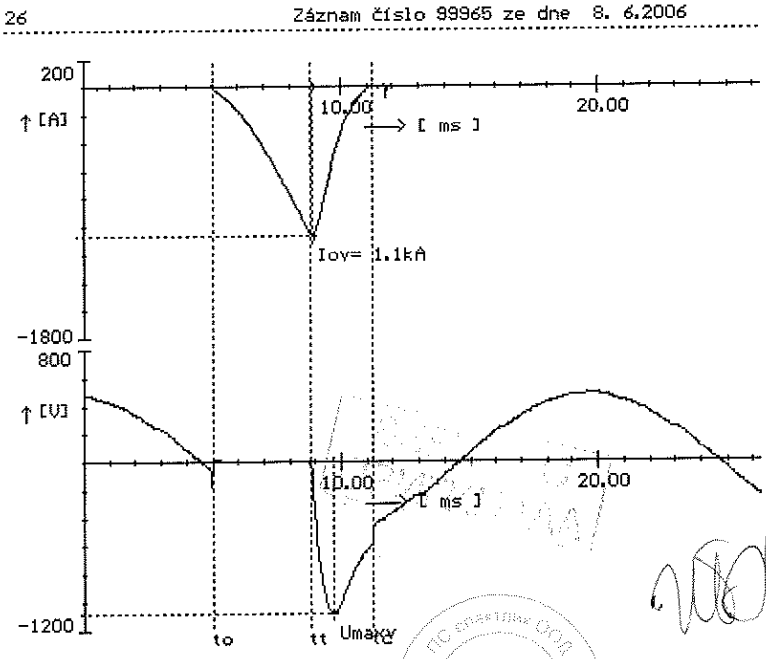
PV10gG, In = 25 A, dU = 74 mV, č.26 — Záznam číslo 99965 ze dne 8. 6.2006

Nastavené hodnoty

Ip =	1010	A
Uef =	340	V
cosfi=	0.26	

Naměřené hodnoty

tt =	3.80	ms
tc =	6.27	ms
It =	1072	A
Io =	1092	A
Umax =	1112	V
Uzot =	344	V
I2tt =	1177.36	A2s
I2tc =	1986.90	A2s
Alfa =	8	st.el.
Psi =	76	st.el.
It =	1.06 x Ip	
Ri =	9999.00	MOhm



PS ELECTRIC BULGARIA

TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

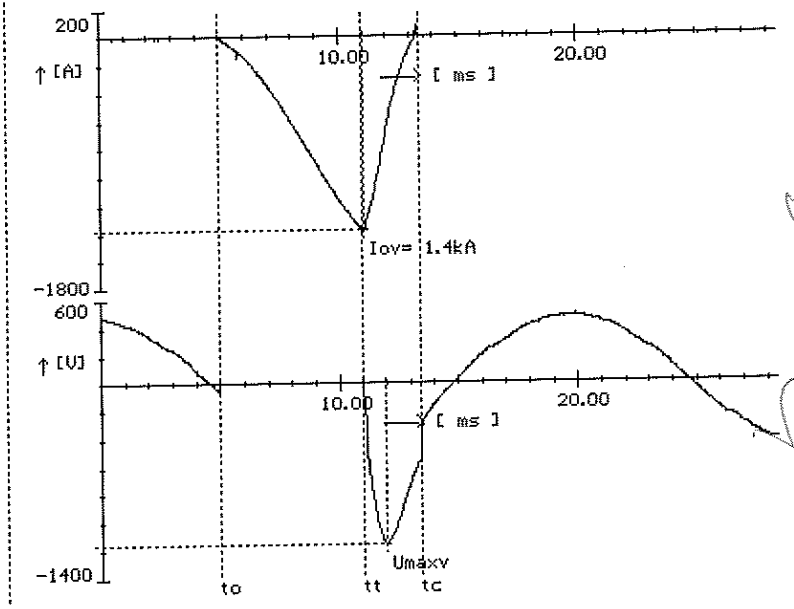
PV10gG, In = 32 A, dU = 62.5 mV, č.23 — Záznam číslo 99970 ze dne 8. 6.2006

Nastavené hodnoty

Ip =	793.37	A
Uef =	332	V
cosfi=	0.28	

Naměřené hodnoty

tt =	5.97	ms
tc =	8.43	ms
It =	1408.00	A
Io =	1408.00	A
Umax =	1184	V
Uzot =	344	V
I2tt =	3632.89	A2s
I2tc =	5138.28	A2s
Alfa =	5	st.el.
Psi =	112	st.el.
It =	1.77 x Ip	
Ri =	9999.00	MOhm



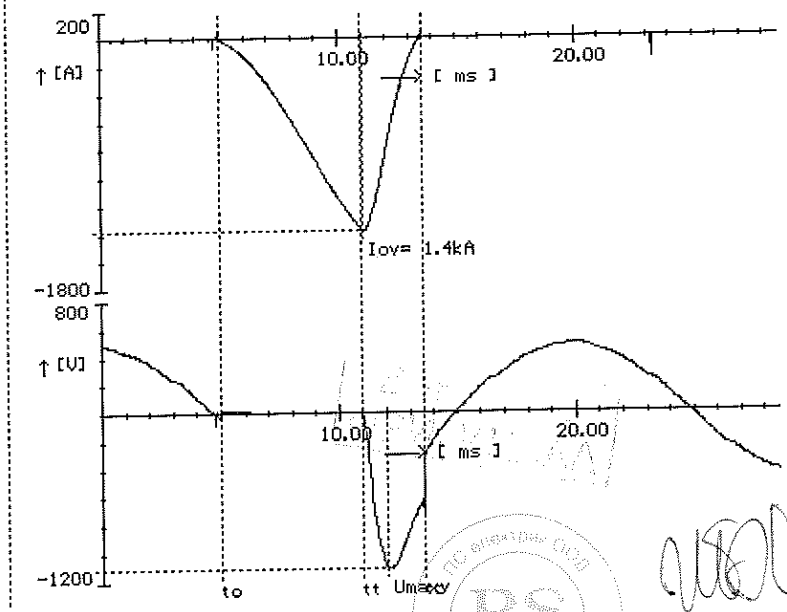
PV10gG, In = 32 A, dU = 62.5 mV, č.24 — Záznam číslo 99971 ze dne 8. 6.2006

Nastavené hodnoty

Ip =	793.37	A
Uef =	332	V
cosfi=	0.28	

Naměřené hodnoty

tt =	6.00	ms
tc =	8.60	ms
It =	1408.00	A
Io =	1416.00	A
Umax =	1144	V
Uzot =	344	V
I2tt =	3672.32	A2s
I2tc =	5354.69	A2s
Alfa =	2	st.el.
Psi =	109	st.el.
It =	1.77 x Ip	
Ri =	9999.00	MOhm



TEST REPORT

IEC 60269-1:98 3rd ed.+ Amd1:05; IEC 60269-2: 2nd ed.+ Amd1:95+ Amd2:01; IEC 60269-2-1:04 4th ed.

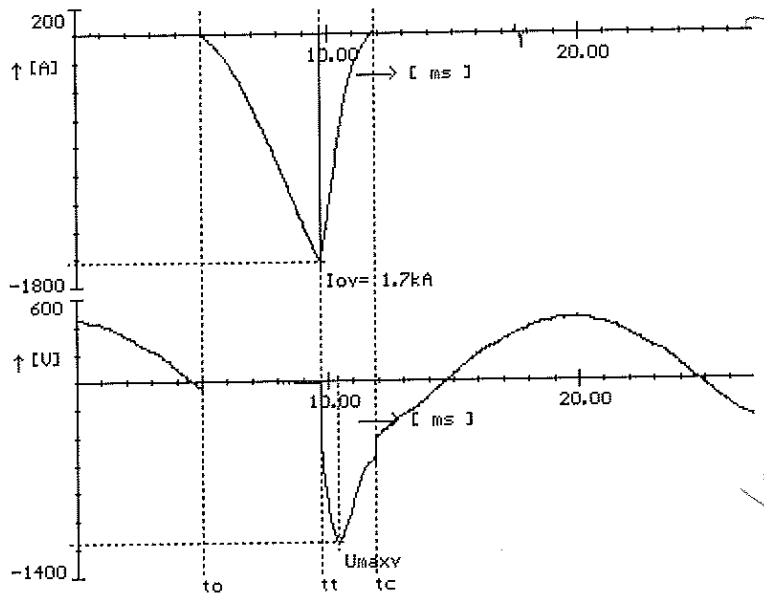
PV10gG, In = 32 A, dU = 60.5 mV, č.25 — Záznam číslo 99961 ze dne 8. 6.2006

Nastavené hodnoty

Ip =	1220	A
Uef =	312	V
cosfi=	0.28	

Naměřené hodnoty

tt =	4.67	ms
tc =	6.87	ms
It =	1664	A
Io =	1664	A
Umax =	1184	V
Uzot =	328	V
I2tt =	3696.55	A2s
I2tc =	4939.33	A2s
Alfa =	6	st.el.
Psi =	89	st.el.
It =	1.36 x Ip	
Ri =	9999.00	MOhm



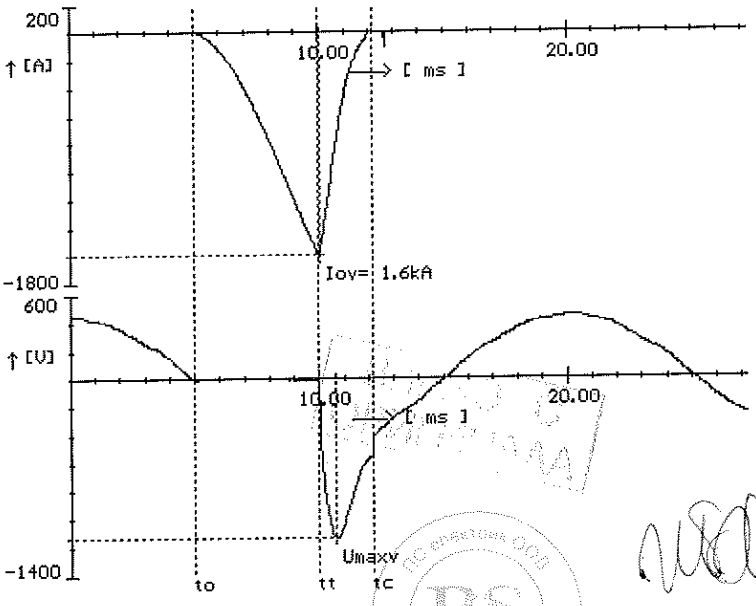
PV10gG, In = 32 A, dU = 60 mV, č.26 — Záznam číslo 99962 ze dne 8. 6.2006

Nastavené hodnoty

Ip =	1220	A
Uef =	312	V
cosfi=	0.28	

Naměřené hodnoty

tt =	4.97	ms
tc =	7.20	ms
It =	1632	A
Io =	1640	A
Umax =	1168	V
Uzot =	320	V
I2tt =	3441.76	A2s
I2tc =	4816.47	A2s
Alfa =	0	st.el.
Psi =	89	st.el.
It =	1.34 x Ip	
Ri =	9999.00	MOhm



IEC IECEE CB SCHEME

Ref. Certif. No.

CZ-1823

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE
CERTIFICAT D'ESSAI OC

Product Produit	Low-voltage fuses
Name and address of the applicant Nom et adresse du demandeur	OEZ s. r. o. Šedivská 339, 561 51 Letohrad, Czech Republic
Name and address of the manufacturer Nom et adresse du fabricant	OEZ s. r. o. Šedivská 339, 561 51 Letohrad, Czech Republic
Name and address of the factory Nome et adresse de l'usine	OEZ s. r. o. Šedivská 339, 561 51 Letohrad, Czech Republic
Ratings and principal characteristics Valeurs nominales et caractéristiques principales	500 V; 2, 4, 6, 8, 10, 12, 16, 20, 25, 32 A
Trademark (if any) Marque de fabrique (si elle existe)	
Model / Type Ref. Ref. De type	PV10 gG Cd/Pb free
Additional information (if necessary) Information complémentaire (si nécessaire)	

A sample of the product was tested and found to be in conformity with Un échantillon de ce produit a été essayé et a été considéré conforme à la	PUBLICATION	EDITION
	IEC 60269-1	1998+A1:2005
	IEC 60269-2	1986+A1:1995+A2:2001
	IEC 60269-2-1	2004
As shown in the Test Report Ref. No. which forms part of this Certificate Comme indiqué dans le Rapport d'essais numéro de référence qui constitue partie de ce Certificat	702102-01/01 of: 03.08.2007	

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

Elektrotechnický zkušební ústav, s.p.
Pod Lisem 129, 171 02 Praha 8 – Troja
Czech Republic

Date: 7.8.2007

Signatu ion Manager

На основание чл. 2
от ЗЗЛД

NÁRODNÍ AKREDITAČNÍ ORGÁN

Český institut pro akreditaci, o.p.s.
130 00 Praha 3, Olšanská 54/3

vydává

OSVĚDČENÍ O AKREDITACI

č. 635 / 2012

Elektrotechnický zkušební ústav, s.p.
se sídlem Pod Lisem 129, 171 02 Praha 8 - Troja, IČ 00001481

pro zkušební laboratoř č. **1056**
Zkušební laboratoř

Předmět akreditace:

Zkoušení výrobků, dílů, součástí, materiálů a pomůcek v rozsahu uvedeném v příloze tohoto osvědčení.

Toto osvědčení o akreditaci vydal Český institut pro akreditaci, o.p.s. na základě posouzení splnění akreditačních požadavků podle

ČSN EN ISO/IEC 17025:2005

a po zjištění, že zkušební laboratoř je odborně způsobilá objektivně a nezávisle vykonávat činnosti uvedené v rozsahu předmětu akreditace.

Adresát tohoto osvědčení je oprávněn používat při své činnosti v rozsahu tohoto osvědčení a po dobu jeho platnosti vedle svého názvu označení „zkušební laboratoř akreditovaná ČIA č. 1056", pod podmínkou, že bude vždy postupovat v souladu s příslušnými předpisy vztahujícími se k činnosti akreditované zkušební laboratoře, a to zejména ČSN EN ISO/IEC 17011, čl. 8.1, ČSN EN ISO/IEC 17025, zákona č. 22/1997Sb., o technických požadavcích na výrobky, ve znění pozdějších předpisů, včetně navazujících předpisů vydaných Českým institutem pro akreditaci, o.p.s.

Prokáže-li se, že adresát tohoto osvědčení neplní akreditační požadavky rozhodné pro jeho vydání a nedodržuje závazky podmiňující akreditaci, může Český institut pro akreditaci, o.p.s. účinnost tohoto osvědčení pozastavit nebo osvědčení o akreditaci zrušit.

Toto osvědčení je vydáno v souladu s ustanovením § 16 odst. 1 zákona č. 22/1997 Sb., o technických požadavcích na výrobky a v souladu s ustanovením § 151 zákona č. 500/2004 Sb., správní řád.

Toto osvědčení je platné do **15.10.2017**

V Praze dne 07.11.2012

На основание чл. 2
от ЗЗЛД

Českého institutu pro akreditaci, o.p.s.

Превод от чешки език

Чешки институт по акредитация
130 00 Прага 3, Олшанска 54/3

издава

УДОСТОВЕРЕНИЕ ЗА АКРЕДИТАЦИЯ

№ 635 /2012

на
Изпитвателна лаборатория №1056
Електротехнически изпитвателен институт , държ.предпр.
Под Лисем 129, 171 02 Прага 8 – Троя, Ин № 00001481

Предмет на акредитацията

Изпитване на изделия, детайли, части, материали и пособия до степента, определена в Приложението на това удостоверение.

Това свидетелство за акредитация се издава от Чешкия институт по акредитация СОД въз основа на оценката и изпълнението на критериите за акредитация съгласно

CSN EN ISO/IEC 17025:2005

и след констатацията и установяване обективно и независимо, че лабораторията за изпитване е компетентна да извърши дейностите, включени в обхвата на предмета на акредирация.
Адресатът на удостоверението е упълномощен да го използва в своята дейност в този обхват и време на валидност, добавяйки към своето название и обозначението „акредитирана изпитвателна лаборатория №1056", ако спазва всички съответстващи предисания, отнасящи се до дейността на акредитираната изпитвателна лаборатория, включително предписанията, издадени от Чешкия институт по акредитация СОД.

При условие че адресатът на това свидетелство не изпълнява критериите за акредитация, приложими към издаването му и задълженията произтичащи от акредитацията, то Чешкия институт по акредитация СОД., може да преустанови удостоверението за акредитация или да го отмени, или измени.

Настоящото удостоверение се иаздава в съответствие с § 16 от Закон № 22 / 1997., за техническите изисквания към продуктите и в съответствие с разпоредбите на §15, от Закон № 500/2004, Административно-процесуален.

Настоящото удостоверение е в сила до 15.10.2017 г.

Прага , 07.11.2012г.

Под
инж
дир

На основание чл. 2
от ЗЗЛД

Списък на Проведените изпитания

8.5 No 1 Изключвателна способност (I_1)

8.5 No 2 Изключвателна способност (I_2)

8.5 No 2 Изключвателна способност (I_3)

8.5 No 2 Изключвателна способност (I_4)

8.5 No 2 Изключвателна способност (I_5)

8.7.4 Термично претоварване

8.9.2 Устойчивост на температура

8.11.1.8 Устойчивост на удар

8.11.2.2 Устойчивост на свръх нормална температура и огън

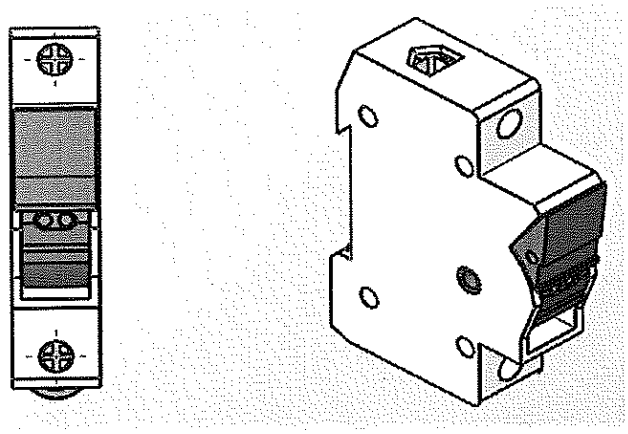
8.11.2.4 Проверка за ненарушимостта на изолиращите части

10,7.6.

Инструкция за транспортиране, складиране, монтиране, вкл. Въртящият момент на затягане на клемовите съединения, обслужване и поддържане.

предпазител-прекъсвач-разединители с цилиндрични стопяеми вложки

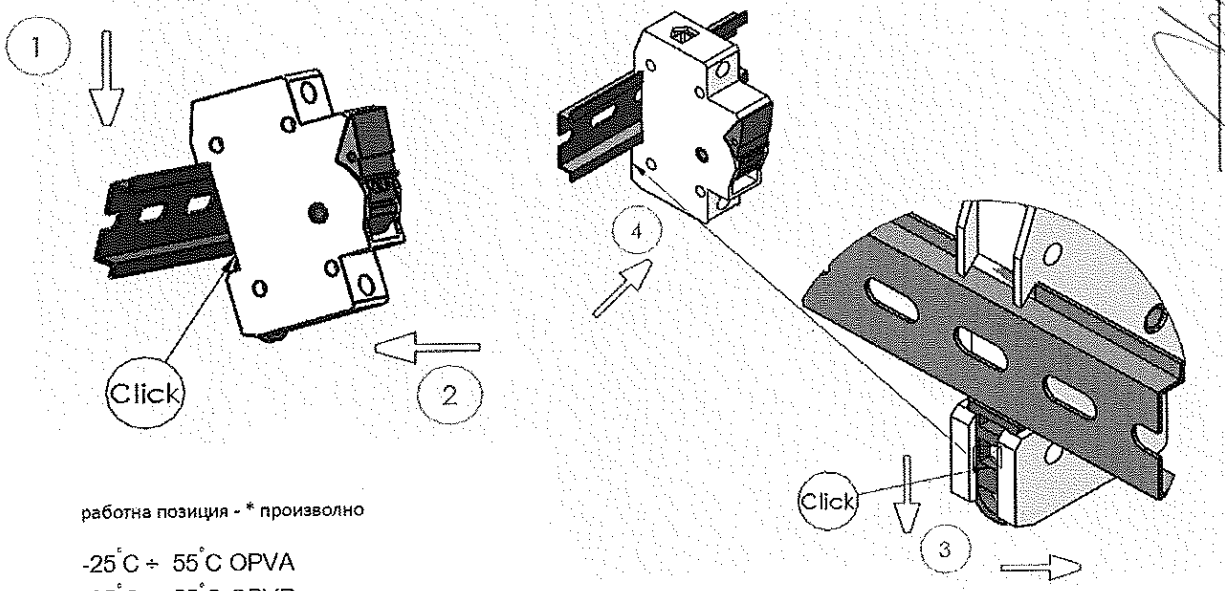
1



Инсталирането, експлоатация и поддръжката на електрическото оборудване трябва да се извършват единствено от оторизиран персонал.

2

Монтаж / Демонтаж.



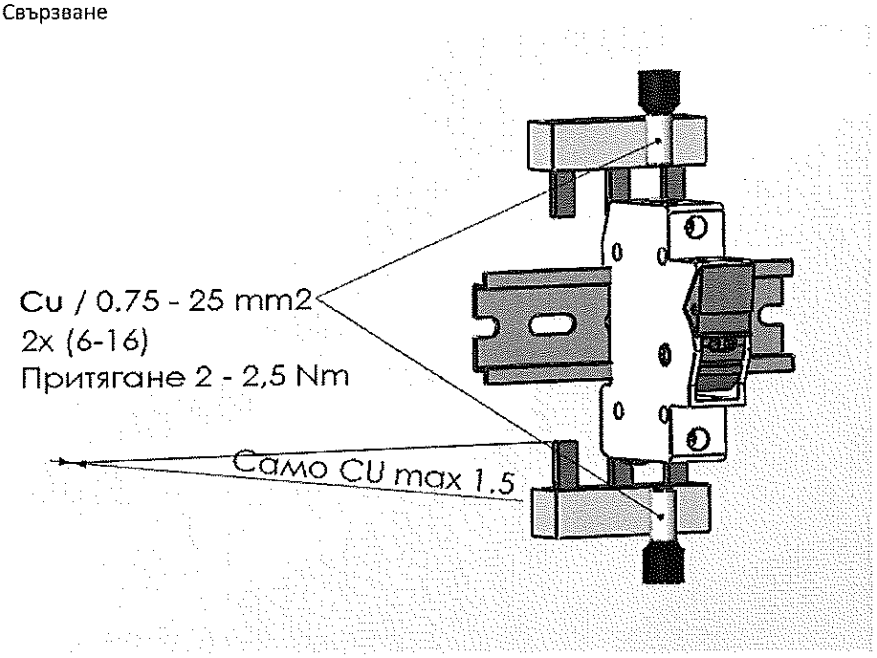
работна позиция - * произволно

-25°C ÷ 55°C OPVA
-25°C ÷ 55°C OPVP

95

3

Свързване



4 Само материали, които имат нисък неблагоприятен екологичен ефект и които не съдържат опасни вещества, както е посочено в директивата ROHS, са използвани в продукта.