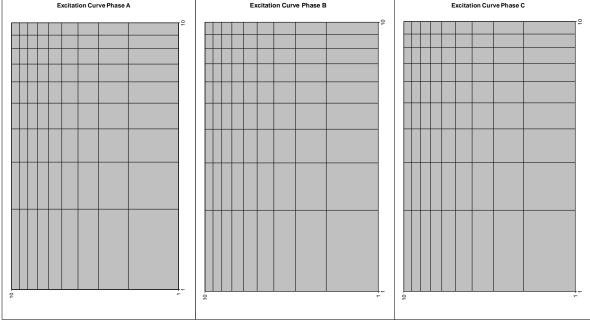
CT Test Report

Template: C Version: 1

CT Test Report 1.40 SR2



Site name:	Substation Sa	mple 1			Date:	#REF!
#REF!	#REF!		#RE	F!	#RE	F!
#REF!	#	REF!	#RE	F!	#REF!	
#REF!	#REF!		#REF!		#REF!	
#REF!	#REF!		#REF!		#REF!	
#REF!	#	REF!	#REF!		#REF!	
1. Polarity:	#	REF!	#RE	F!	#RE	F!
2. Ratio + Accuracy	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
3. Angle [°]		REF!	#RE		#RE	
4. Burden [VA/cosφ]	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
5. Rs CT [Ohm]		REF!	#RE		#RE	
6. Knee Point [V/mA]	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
7. Excit. Curve No. 1	#REF		#REF!	#REF!	#REF!	#REF!
2	#REF		#REF!	#REF!	#REF!	#REF!
3	#REF		#REF!	#REF!	#REF!	#REF!
4	#REF		#REF!	#REF!	#REF!	#REF!
5	#REF		#REF!	#REF!	#REF!	#REF!
6	#REF		#REF!	#REF!	#REF!	#REF!
7	#REF		#REF!	#REF!	#REF!	#REF!
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9	#REF		#REF!	#REF!	#REF!	#REF!
10	#REF		#REF!	#REF!	#REF!	#REF!
11	#REF		#REF!	#REF!	#REF!	#REF!
12	#REF		#REF!	#REF!	#REF!	#REF!
13	#REF		#REF! #REF!	#REF! #REF!	#REF!	#REF!
14 15	#REF				#REF!	#REF!
16	#REF		#REF! #REF!	#REF! #REF!	#REF! #REF!	#REF! #REF!
17	#REF #REF		#REF!	#REF!	#REF!	#REF!
18	#REF		#REF!	#REF!	#REF!	#REF!
19	#REF		#REF!	#REF!	#REF!	#REF!
20	#REF		#REF!	#REF!	#REF!	#REF!
21	#REF		#REF!	#REF!	#REF!	#REF!
22	#REF		#REF!	#REF!	#REF!	#REF!
23	#REF		#REF!	#REF!	#REF!	#REF!
24	#REF		#REF!	#REF!	#REF!	#REF!
25	#REF		#REF!	#REF!	#REF!	#REF!
26	#REF		#REF!	#REF!	#REF!	#REF!
27	#REF		#REF!	#REF!	#REF!	#REF!
28	#REF		#REF!	#REF!	#REF!	#REF!
29	#REF		#REF!	#REF!	#REF!	#REF!
30	#REF		#REF!	#REF!	#REF!	#REF!
31	#REF			#REF!	#REF!	#REF!
32	#REF		#REF!	#REF!	#REF!	#REF!
33	#REF	! #REF!	#REF!	#REF!	#REF!	#REF!
34	#REF	! #REF!	#REF!	#REF!	#REF!	#REF!
35	#REF	! #REF!	#REF!	#REF!	#REF!	#REF!
36	#REF		#REF!	#REF!	#REF!	#REF!
37	#REF	! #REF!	#REF!	#REF!	#REF!	#REF!
Excitation Curve Phase	A	Excitation	Curve Phase B		Excitation Curve Phase	С



OverView Device:	EN971D (V1)	Ī				
Test Cards Overview: Test Card	Туре	Date/Time	Roults	Assessment	Overload	Filepath
No Data	No Data	No Data	No Data	No Data	No Data	No Data
Nameplate	Comment	6/7/2023 11:27	NO	8/8	NO	College Colleg
A Bushing	Comment	6/7/2023 11:27	NO	8/3	NO	C:(Users)DX0134 Jittach Energy/CASA1000 - Sangtuda Site/Transformer Testing)8721149 - 18721149 xml
Ratio A-1	CTRatio	6/9/2023 12:08	YES	8/8	NO	C:020149.xml remain manage. ASA1000 - Sangtan Site Francisco Technique (20149.xml
Ratio A-2	CTRatio	69/2023 12:12	YES	8/3	NO	S721149 xml C-Harri DC01348 Historic Factoric ASA1000 - Sanatuda Sixt/Transformer Testinal 8721140 -
Ratio A-3	CTRatio	69/2023 12:16	YES	n/a	NO	S721149.xml C:UsersDC0134Hitachi Enerry/CASA1000 - Sanetuda Site/Transformer Toxine/8721149 -
Ratio A-4	CTRatio	6/9/2023 12:18	YES	n/a	NO	S721149.xml C:UsersDC0134Hitachi Enerry/CASA1000 - Sanetuda Site/Transformer Tortine/S721149 -
Ratio A-5	CTRatio	69/2023 12:24	YES	8/3	NO	C:(Usen)DC0134/Hitchi Energy/CASA1000 - Sangtada Site/Transformer Teving/8721149 - 8721149.xml C:(Usen)DC0134/Hitchi Energy/CASA1000 - Sangtada Site/Transformer Teving/8721149 - 87221149.xml
RWinding A-1	RWinding	6/9/2023 12:49	YES	n/a	NO	C:\UmriDC0134\fitachi Energy\CASA1000 - Sangtuda Site\Transformer Testing\8721149 - 8721149\xm1 C:\UmriDC0134\fitachi Energy\CASA1000 - Sangtuda Site\Transformer Testing\8721149 - 8721149\xm1
RWinding A-2	RWinding	69/2023 12:51	YES	8/3	YES	
RWinding A-3	RWinding	6/9/2023 12:54	YES	n/a	NO	
RWinding A-4 RWinding A-5	RWinding	6/9/2023 12:56	YES	8/3	NO MO	C:;UsenjJX:03154[http://citachi.in.egy/CASA1000 - Sangtuda Sini/Tennistemer Testing/8721149 - 8721149.sus S:22149.sus C:;UsenjJX:03154[http://citachi.in.egy/CASA1000 - Sangtuda Sini/Tennistemer Testing/8721149 - 8721149.sus
Excitation A-I	KWinding	69/2023 12:57	YES	8/3	YES	
Excitation A-2	CTExtunion	69/2023 13:15	YES	-0	NO NO	C:;UserijX:03154[http://cix.atunory/CASA1000 - Sangtada Site[Tensiormer Testing]8721149 - 8721149-xxii. C:;UserijD::03154[http://cASA1000 - Sangtada Site[Tensformer Testing]8721149 - 87271149 - us.
Excitation A.3	CTEvitation	69/2023 13/21	YES	8/3	NO.	C: Users/DC0134 Hitachi Enerry/CASA1000 - Sanutuda Site/Transformer Testing/8721149 -
Facilitation A.4	CTEvitation	69/2023 13/24	YES	*/*	NO.	18721149.xml C:Useni(XXI)34Hitachi Enegy/CASA1000 - Sangtada Site(Transfermer Teving)8721149 - 18721149 vrsl
Excitation A.S.	CTEvitation	69/2023 13/27	YES	2/2	NO.	(8771120 vml C:(Usmi)DO134/Hitachi Enegy/CASA1000 - Sangtada Site(Transfermer Teving)8721149 - (8771120 vml
B1 Bushine	Comment	6/7/2023 11:27	NO NO	9/3	NO	-8791140 vml C:Ulwen(DC0134)Hitachi Energy(CASA1000 - Sangtuda Site(Transfermer Teoring)8721149 - 8791140 vml C:Ulwen(DC0134)Hitachi Energy(CASA1000 - Sangtuda Site(Transfermer Teoring)8721149 -
Ratio B1-1	CTRatio	69/2023 12:39	YES	8/3	NO	18771149 vol
Ratio B1-2	CTRatio	69/2023 12:40	YES	8/8	NO	(8771140 ved
RWinding B1-1	RWinding	69/2023 13:00	YES	8/8	YES	
RWinding B1-2	RWinding	69/2023 13:02	YES	9/3	YES	CAT PROPERTY LIE LONGLINGS C. LOUIS C. W. C. LONGLING
Excitation B1-1	CTExcitation	69/2023 13:30	YES	8/8	NO	C:(Usen)DC0134/Hitachi Energy/CASA1000 - Sangtuda Site/Transformer Testing/8721149 - (8771140 seed
Excitation B1-2	CTExcitation	6/9/2023 13:33	YES	8/3	NO	C:(Unen()CO134 Hitachi Energy/CASA1000 - Sangtada Site/Transformer Teoing/S721140 - is771120 - sal C:(Unen()CO134 Hitachi Energy/CASA1000 - Sangtada Site/Transformer Teoing/S721149 -
B2 Bushing	Comment	6/7/2023 11:27	NO.	1/2	NO	
Ratio B2-1	CTRatio	6/9/2023 12:32	YES	8/3	NO	C:(Users)X:01549Httsch Energy(CASA1000 - Sangtiali Site) transmirer Leonigis/21149 - ISZ11494 xili C:(Users)DC01349Httschi Energy(CASA1000 - Sangtiala Site/Transformer Teoring)8721149 -
Ratio B2-2	CTRatio	69/2023 12:34	YES	8/2	NO	8721149.xml
RWinding B2-1	RWinding	69/2023 13:04	YES	8/3	YES	
RWinding B2-2	RWinding	69/2023 13:06	YES	8/2	YES	18721149.xml
Excitation B2-1	CTExcitation	69/2023 13:43	YES	8/2	NO.	S721149.xml C-Ularri/DC0134/Hitschi Facero/CASA1000 - Sanatuda Sitel/Transferror Testina/S771140 -
Excitation B2-1	CTExcitation	69/2023 13:40	YES	8/3	NO	S721149.xml C-Ularri/DC0134/Hitschi Franco/CASA1000 - Sanatuda Sitel/Transformer Testina/S771140 -
2a Bushing	Comment	6/7/2023 11:27	NO.	8/2	NO.	S721149-xml C: Users DC0134 Hitachi Energy CASA1000 - Sangtuda Site Transformer Teoring 8721149 -
Ratio 2s-1	CTRatio	6/13/2023 4:06	YES	8/3	NO	S721149.xml C: Usen DC0134 Hitachi Energy CASA1000 - Sangtuda Site Transformer Testing S721149 -
Ratio 2a-2	CTRatio	6/13/2023 4:08	YES	8/8	NO	C-T
Ratio 2a-3	CTRatio	6/13/2023 4:11	YES	8/3	NO.	C:(Users/DC0134/Hitachi Enerry/CASA1000 - Sanutuda Site/Transformer Testing/8721149 -
Ratio 2a-4	CTRatio	6/13/2023 4:13	YES	8/3	NO	C: Harri DC0134/Hitarbi Francis CASA1000 - Sanatuda Sitel Transformer Testinal 8721140 -
Ratio 2a-5	CTRatio	6/15/2023 4:17	YES	8/3	NO MO	S721149.xml C:U.smi) DOI344 Hitachi Enegy CASA1000 - Sangtuda Site Transformer Teving S721149 -
RWinding 2n-1	RWinding	6/15/2023 4:28	YES	8/3	YES	C: User/DC0134 Hitachi Enerry/CASA1000 - Sanutuda Site/Transformer Testing/8721149 -
PWindow 2x 2	PWinter	4/12/2022 4/22	YES	-0	NO.	8721149 xml C:Useni XXXI4Hitachi Energy CASA1000 - Sangtada Site Transfermer Teoring 8721149 - 8721149 xml
RWinding 2n-4	RWindow	613/2023 4/34	YES	2/2	NO.	C:(Usen)DC0134[Hitachi Energy]CASA1000 - Sangtada Site(Transformer Torting)8721149 - 18721149.xml
RWinding 2a-5	RWindor	6/13/2023 4:36	YES	9/2	YES	C:(Usen)DC0134 Hitachi Enegy/CASA1000 - Sangtada Site/Transformer Testing)8721149 - 8721149.xml
Excitation 2s-1	CTExcitation	6/13/2023 4:43	YES	8/2	NO	C:(Usen)DC0134 Hitachi Energy/CASA1000 - Sangtuda Site/Transformer Testing)8721149 - 8721149.xml
Excitation 2n-2	CTExcitation	6/13/2023 4:47	YES	10	NO	C: Usen/DC0134/Hitachi Energy/CASA1000 - Sangtada Site/Transformer Testing/8721149 - 8721149.xml
Excitation 2n-3	CTExcitation	6/13/2023 4:53	YES	10	NO	C: Usen/DC0134/Hitachi Energy/CASA1000 - Sangtada Site/Transformer Testing/8721149 - 8721149.xml
Excitation 2a-4	CTExcitation	6/13/2023 4:56	YES	8/3	NO	C:(Usen)DC0134Hitachi Energy/CASA1000 - Sangtuda Site/Transformer Testing)8721149 - 8721149.xml
Excitation 2a-5	CTExcitation	6/13/2023 4:59	YES	1/2	NO	C:(Users)DC0134)Hitachi Energy/CASA1000 - Sangtuda Site/Transformer Testing)8721149 - 8721149.xml
Sa Bushing	Comment	67/2023 11:27	NO	8/3	NO	C. Cham. COLVARIBATE Interpt. CALADING - Sungath. Sull'Continues Transport T
Ratio 3a-1	CTRatio	6/9/2023 9:39	YES	8/8	NO	C:(Users)DC0134/Hitachi Energy/CASA1000 - Sangtuda Site(Transformer Testing)8721149 - 8721149 xml C:(Users)DC0134/Hitachi Energy/CASA1000 - Sangtuda Site(Transformer Testing)8721149 -
Ratio 3a-2	CTRatio	6/9/2023 9:41	YES	8/2	NO	C:(Users)X:0134/mixes Energy/CASA1000 - Sanguan Sine i Emiserner Teoring/8721149 - 8721149-xml C:(Users)X:0134/mixes Energy/CASA1000 - Sanguan Sine/Transformer Teoring/8721149 -
Ratio 3a-3	CTRatio	6/9/2023 9:42	YES	8/3	NO	S721149.xml C:(Users)DC0134[Hitachi Energy]CASA1000 - Sanstuda Site(Transfermer Testing/S721140 -
Ratio 3a-4	CTRatio	6/9/2023 9:44	YES	8/2	NO	18721149.xml C:(Usen)DC0134[Hitachi Energy]CASA1000 - Sangtuda Site\Transformer Testing)8721149 -
RWinding 3a-1	RWinding	6/9/2023 9:57	YES	8/2	NO.	.8721149 xml C:Usen)DC0134}Hitachi Enegy/CASA1000 - Sangtada Site/Teassformer Teving/8721140 - 8721149 xml
RWinding 3a-2	RWinding	6/9/2023 9:59	YES	8/3	YES	C-12
RWinding 3a-3	RWinding	6/9/2023 10:00	YES	8/9	NO NO	E. Donath College and College
RWinding 3a-4	RWinding	6/9/2023 10:02		8/9	NO	C: Users/DC0134/Hitachi Enerry/CASA1000 - Sanutuda Site/Transformer Testing/8721149 -
Excitation 3a-1	CTExcitation	6/9/2023 10:51	YES	n/a	NO NO	(8721149.xml
Excitation 3a-2	CTExcitation	6/9/2023 10:56	YES	8/3	NO NO	C:(Usmi)(X:0134)Hitachi Energy(CASA1000 - Sangtada Sits(Transformer Testing)8721149 - 18721149.xml C:(Usmi)(X:0134)Hitachi Energy(CASA1000 - Sangtada Sits(Transformer Testing)8721149 - 18721149.xml
Excitation 3a-3	CTEmitation	6792023 11:02 4002023 11:02	YES	8/3	NO	C:\User\DC0134\Hitachi Enerr\CASA1000 - Sanetada Site\Transformer Testine\8721149 -
Sh Roubing	Consessed	6/2/2023 11:05	NO NO	8/3	NO NO	18721149.xml C:(Usen)(XXX)34)Hitachi Enegy/CASA1000 - Sangtada Site(Transfermer Teving)8721149 - 18721149.xml
Sh Bushing Ratio 3h-1	CTRatio	6/9/2023 0-40	YES	4/3	NO NO	SEZELI-PEX.mll C:(Usen) DC0134 Hitachi Energy CASA1000 - Sangtada Site Transformer Teoring SEZ1149 - SEZELI-PEX.mll
Ratio 3b-1 Ratio 3b-2	CTRatio	6/9/2023 9:51	YES	4/3	NO NO	C: Usen/DC0134/Hitachi Energy/CASA1000 - Sangtuda Site/Transformer Testing/8721149 - 18721140 and
Ratio 3b-3	CTRatio	6/9/2023 9:51	YES	9/4	NO NO	C:\Users\DC0134\Hitachi Energy\CASA1000 - Sangtada Site\Transformer Testing\\$721149 -
RWinding 3b-1	RWinding	69/2023 10:06	YES	8/2	YES	S72149-xml C:UseniDC0134Hitach Energy/CASA1000 - Sangtada Site/Transformer Testing/S721140 - S72149-xml
RWinding 3b-2	RWinding	69/2023 10:09	YES	8/2	YES	C:\User\DC0134\Hitachi Energy\CASA1000 - Sangtuda Site\Transformer Teeting\8721149 - \8721149.xml
RWinding 3b-3	RWinding	69/2023 10:11	YES	n/a	YES	C:(Users)DC0134/Hitachi Energy/CASA1000 - Sangtuda Site/Transformer Teoring/8721149 - 8721149.xml
Excitation 3b-1	CTExcitation	6/9/2023 10:35	YES	n/a	NO	
Excitation 38-2	CTExcitation	69/2023 10:37	YES	1/2	NO	(8771140 vml
Excitation 3b-3	CTExcitation	6/9/2023 10:48	YES	8/3	NO	C:(Users)DC0134/Hitachi Energy/CASA1000 - Sangtada Site/Transformer Testing/8721149 - 8721149.xml
						1

Comment:	Nameplate	
Date/Time:	6/7/23 11:27	
Fieldname:	Fieldvalue:	
Transformer 8721149 TB2.TA.TB1.L1		
A Bushing CT S/N D200200306-10/1		
B1 Bushing CT S/N D200200306-20/1		
B2 Bushing CT S/N D200200306-20/2		
2a Bushing CT S/N D200200306-50/1		
3a Bushing CT S/N D200200306-30/1		
3b Bushing CT		

S/N D200200306-40/1

Comment:	A Bushing	
Date/Time:	6/7/23 11:27	
Fieldname:	Fieldvalue:	
A Bushing CT		
S/N D200200306-10/1		
1s1-1s2		
1500:1		
5VA		
Class: TPY		
2s1-2s2		
1500:1		
5VA		
Class: TPY		
3s1-3s2		
1500:1		
10VA		
Class: 0.2		
4s1-4s2		
1500:1		
10VA		
Class: 0.2		
5s1-5s2		
1033:1.5		
10VA		
Class: 5		

CTRatio:	Ratio A-1		
Date/Time:	6/9/2023 12:08		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1500.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	300.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	299.92A	I prim Phase:	0.0°
I sec.:	0.20021A	I sec Phase:	-0.07°
Ratio:	1500.0A:	1.0013A	0.13%
Polarity:	OK		
measured with Burden:	YES		
V sec manual:	0		
V sec:	0.259336V	V sec Phase:	-65.86°
Burden:	1.295VA		
cos Phi:	0.41		

CTRatio:	Ratio A-2		
Date/Time:	6/9/2023 12:12		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1500.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	300.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	299.93A	I prim Phase:	0.0°
I sec.:	0.19973A	I sec Phase:	0.04°
Ratio:	1500.0A	0.9989A	-0.11%
Polarity:	OK		
measured with Burden:	YES		
V sec manual:	0		
V sec:	0.260064V	V sec Phase:	-65.96°
Burden:	1.302VA		
cos Phi:	0.407		

CTRatio:	Ratio A-3		
Date/Time:	6/9/2023 12:16		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1500.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	300.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	299.93A	I prim Phase:	0.0°
I sec.:	0.19972A	I sec Phase:	-0.05°
Ratio:	1500.0A	: 0.9988A	-0.12%
Polarity:	OK		
measured with Burden:	YES		
V sec manual:	0		
V sec:	0.261949V	V sec Phase:	-65.58°
Burden:	1.312VA		
cos Phi:	0.414		

CTRatio:	Ratio A-4		
Date/Time:	6/9/2023 12:18		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1500.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	300.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	299.93A	I prim Phase:	0.0°
I sec.:	0.19965A	I sec Phase:	-0.05°
Ratio:	1500.0A	0.9985A	-0.15%
Polarity:	OK		
measured with Burden:	YES		
V sec manual:	0		
V sec:	0.261827V	V sec Phase:	-65.59°
Burden:	1.311VA		
cos Phi:	0.414		

CTRatio: Date/Time:	Ratio A-5		
Doto/Timo:			
Date/Time.	6/9/2023 12:24		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1033.0A		
I sec.:	1.5A		
Frequency:	50.0Hz		
I test:	206.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	205.95A	I prim Phase:	0.0°
I sec.:	0.29882A	I sec Phase:	-179.75°
Ratio:	1033.0A:	1.4988A	-0.08%
Polarity:	Failed		
measured with Burden:	YES		
V sec manual:	0		
V sec:	0.178403V	V sec Phase:	-66.41°
Burden:	1.343VA		
cos Phi:	-0.396		

RWinding:	RWinding A-1	
Date/Time:	6/9/2023 12:49	
Overload:	NO	
Assessment:	n/a	
Range:	DC 6A	
I Test:	1.0A	
R min:	0.0002Ω	
R max:	10.0Ω	
Results:		
I DC:	0.99999A	
V DC:	3.027732V	
R meas:	3.02776028Ω	
Deviation:	0.0%	
Time:	26.0s	
Temperature compensation:		
T meas.:	42.0°C	
T ref.:	75.0°C	
R ref.:	3.38846818Ω	

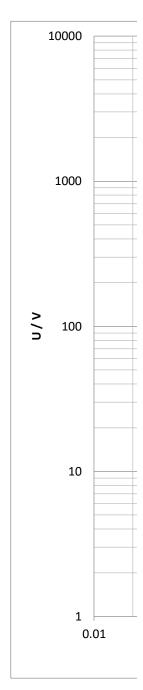
RWinding:	RWinding A-2	
Date/Time:	6/9/2023 12:51	
Overload:	YES	
Assessment:	n/a	
Range:	DC 6A	
I Test:	1.0A	
R min:	0.0002Ω	
R max:	10.0Ω	
Results:		
I DC:	1.00002A	
V DC:	3.033708V	
R meas:	3.03364933Ω	
Deviation:	0.0%	
Time:	26.0s	
Temperature compensation:		
T meas.:	42.0°C	
T ref.:	75.0°C	
R ref.:	3.39505882Ω	

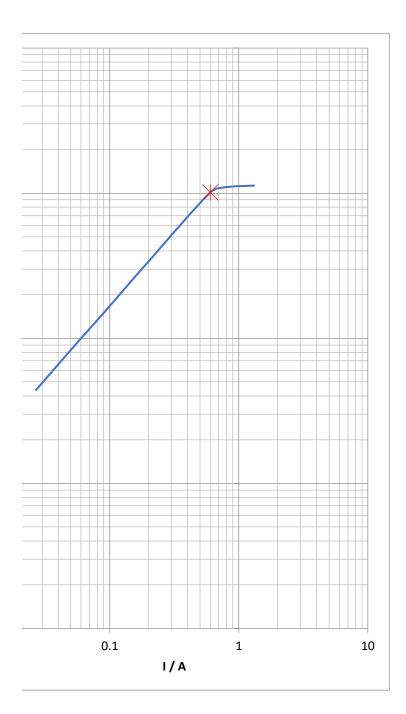
RWinding:	RWinding A-3	
Date/Time:	6/9/2023 12:54	
Overload:	NO	
Assessment:	n/a	
Range:	DC 6A	
I Test:	1.0A	
R min:	0.0002Ω	
R max:	10.0Ω	
Results:		
I DC:	0.96987A	
V DC:	6.336009V	
R meas:	6.53284461Ω	
Deviation:	0.03%	
Time:	27.0s	
Temperature compensation:		
T meas.:	42.0°C	
T ref.:	75.0°C	
R ref.:	7.31112574Ω	

RWinding:	RWinding A-4	
Date/Time:	6/9/2023 12:56	
Overload:	NO	
Assessment:	n/a	
Range:	DC 6A	
I Test:	1.0A	
R min:	0.0002Ω	
R max:	10.0Ω	
Results:		
I DC:	0.97144A	
V DC:	6.281253V	
R meas:	6.46592172Ω	
Deviation:	0.01%	
Time:	28.0s	
Temperature compensation:		
T meas.:	42.0°C	
T ref.:	75.0°C	
R ref.:	7.23623008Ω	

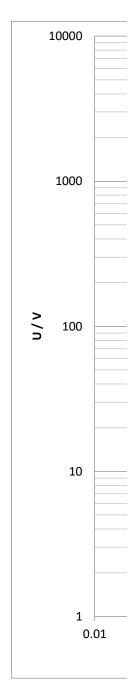
RWinding:	RWinding A-5	
Date/Time:	6/9/2023 12:57	
Overload:	YES	
Assessment:	n/a	
Range:	DC 6A	
I Test:	1.0A	
R min:	0.0002Ω	
R max:	10.0Ω	
Results:		
I DC:	1.00006A	
V DC:	2.978908V	
R meas:	2.97873128Ω	
Deviation:	0.0%	
Time:	24.0s	
Temperature compensation:		
T meas.:	42.0°C	
T ref.:	75.0°C	
R ref.:	3.33359818Ω	

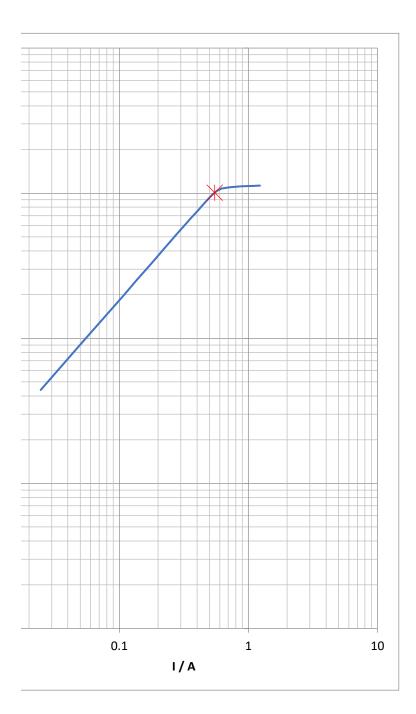
CTExcitation:	Excitation A-1	
Date/Time:	6/9/2023 13:15	
Overload:	NO	
Assessment:	n/a	
V max:	1300.0V	
I max:	1.6A	
Frequency:	50.0Hz	
Noise suppression:	NO	
Automatic:	YES	
V	I	
1129.11V	1.308941A	
1123.71V	1.137067A	
1114.74V	0.941417A	
1099.63V	0.779759A	
1074.4V	0.675634A	
1031.69V	0.619138A	
982.0V	0.58059A	
931.01V	0.547011A	
879.16V	0.515161A	
827.54V	0.484301A	
775.43V	0.453478A	
723.4V	0.422904A	
671.41V	0.392509A	
619.11V	0.362196A	
567.01V	0.332042A	
514.62V	0.301804A	
462.38V	0.271646A	
409.99V	0.241306A	
357.76V	0.21107A	
305.28V	0.180629A	
253.1V	0.150263A	
200.65V	0.119616A	
148.54V	0.089063A	
96.15V	0.057961A	
43.99V	0.026849A	
Kneepoint calculation:	IEC/BS	
V knee:	1010.41V	
I knee:	0.602564A	





CTExcitation:	Excitation A-2	
Date/Time:	6/9/2023 13:18	
Overload:	NO	
Assessment:	n/a	
V max:	1300.0V	
I max:	1.92308A	
Frequency:	50.0Hz	
Noise suppression:	NO	
Automatic:	YES	
V	I	
1128.15V	1.229055A	
1123.37V	1.069754A	
1114.28V	0.879972A	
1099.41V	0.721992A	
1074.11V	0.620874A	
1031.56V	0.567005A	
982.08V	0.530944A	
931.47V	0.500274A	
879.59V	0.470983A	
827.87V	0.442548A	
775.7V	0.414441A	
723.89V	0.386515A	
671.5V	0.358729A	
619.53V	0.331139A	
567.16V	0.30346A	
514.73V	0.275897A	
462.63V	0.248227A	
410.03V	0.220568A	
357.97V	0.192875A	
305.37V	0.165114A	
253.26V	0.137396A	
200.69V	0.109404A	
148.65V	0.081465A	
96.16V	0.053067A	
44.04V	0.024623A	
Kneepoint calculation:	IEC/BS	
V knee:	1008.57V	
I knee:	0.550174A	

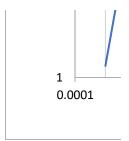


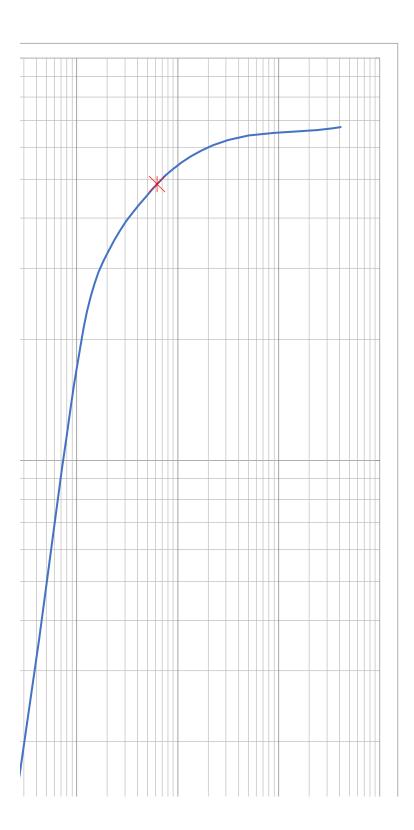


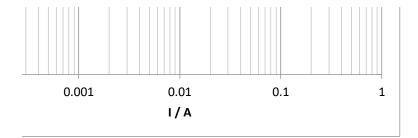
CTExcitation:	Evoitation A 2	
	Excitation A-3	
Date/Time:	6/9/2023 13:21	
Overload:	NO	
Assessment:	n/a	
V max:	75.0V	
I max:	1.6A	
Frequency:	50.0Hz	
Noise suppression:	NO	
Automatic:	YES	
V	I	
67.35V	0.410263A	
66.83V	0.33578A	
66.28V	0.242939A	
65.8V	0.158623A	
65.2V	0.089716A	
64.22V	0.050235A	
62.63V	0.031866A	
60.81V	0.022586A	
58.93V	0.017159A	
57.0V	0.013544A	
55.05V	0.010938A	
53.09V	0.009037A	
51.13V	0.00761A	
49.15V	0.006505A	
47.18V	0.005599A	
45.2V	0.004831A	
43.23V	0.004144A	
41.25V	0.003592A	
39.27V	0.003068A	
37.3V	0.002693A	
35.31V	0.002371A	
33.32V	0.002094A	
31.34V 29.37V	0.001847A 0.001645A	
27.38V	0.001043A 0.001494A	
25.4V	0.001494A 0.00137A	
23.43V	0.00137A 0.001265A	
21.43V	0.001203A 0.001173A	
19.46V	0.001175A 0.001096A	
17.48V	0.001030A 0.00102A	
15.5V	0.0010274 0.000944A	
13.51V	0.00097111 0.000872A	
11.54V	0.000795A	
9.55V	0.000716A	
7.57V	0.000631A	
5.59V	0.000536A	
3.61V	0.000426A	
1.66V	0.000273A	
1.07V	0.0002A	
Kneepoint calculation:	IEC/BS	
V knee:	48.57V	
I knee:	0.006225A	

^ 10

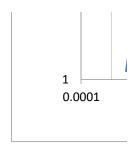
100

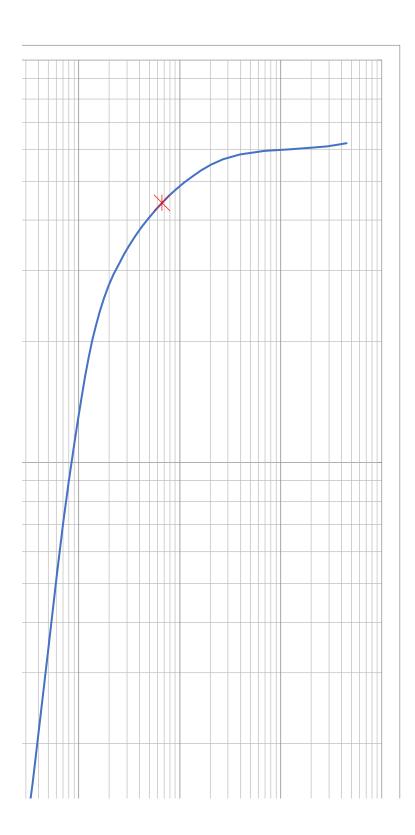


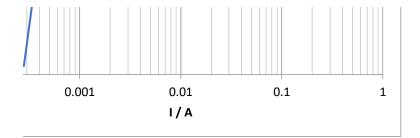




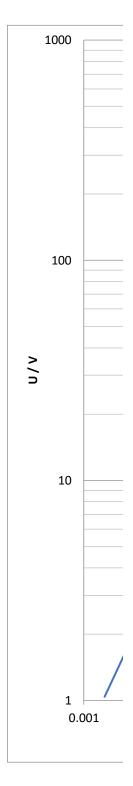
CTExcitation:	Excitation A-4	
Date/Time:	6/9/2023 13:24	
Overload:	NO n/a	
Assessment:	n/a	
V max:	70.0V	
I max:	1.6A	
Frequency:	50.0Hz	
Noise suppression:	NO	
Automatic:	YES	
${f V}$	I	
62.13V	0.447967A	
61.62V	0.37812A	
61.01V	0.286228A	
60.56V	0.200526A	
60.03V	0.123427A	
59.41V	0.068899A	
58.29V	0.03965A	
56.72V	0.026938A	
54.98V	0.020381A	
53.19V	0.016283A	
51.37V	0.013307A	
49.55V	0.011009A	
47.72V	0.009194A	
45.89V	0.007764A	
44.04V	0.006605A	
42.21V	0.005659A	
40.35V	0.004863A	
38.52V	0.004218A	
36.67V	0.003672A	
34.82V	0.00321A	
32.98V	0.002823A	
31.13V	0.0025A	
29.28V	0.0022A	
27.44V	0.001969A	
25.6V	0.001775A	
23.74V	0.001615A	
21.9V	0.001481A	
20.06V	0.001363A	
18.21V	0.001254A	
16.36V	0.001157A	
14.51V	0.001066A	
12.67V	0.000976A	
10.82V	0.000889A	
8.97V	0.0008A	
7.12V	0.000707A	
5.27V	0.00061A	
3.43V	0.000499A	
1.59V	0.00035A	
1.05V	0.00028A	
Kneepoint calculation:	IEC/BS	
V knee:	44.15V	
I knee:	0.006668A	
	0.00000A	

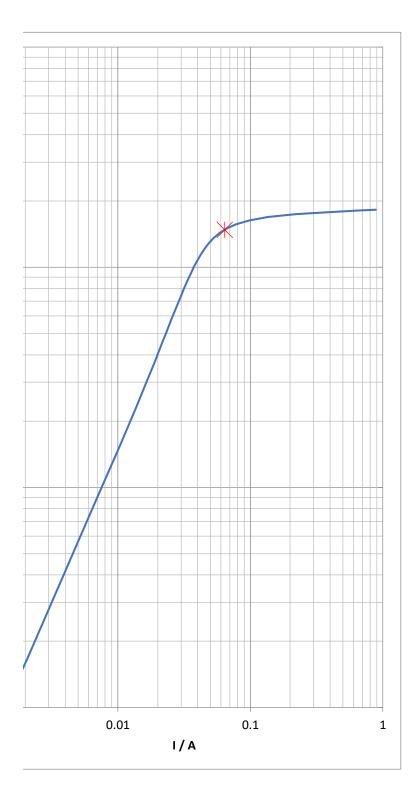






CTExcitation:	Excitation A-5	
Date/Time:	6/9/2023 13:27	
Overload:	NO	
Assessment:	n/a	
V max:	200.0V	
I max:	2.0A	
	50.0Hz	
Frequency:	NO NO	
Noise suppression: Automatic:	YES	
V	I	
v	1	
182.46V	0.885192A	
180.59V	0.639782A	
177.85V	0.039782A 0.392724A	
177.83 V 174.27 V	0.392724A 0.223214A	
174.27 V 169.21 V	0.223214A 0.13606A	
163.11V	0.13000A 0.097644A	
156.54V	0.077996A	
149.73V	0.066256A	
142.83V	0.058514A	
135.85V	0.052972A	
128.84V	0.04877A	
121.82V	0.04577A 0.045326A	
114.79V	0.042423A	
107.74V	0.039899A	
100.69V	0.037621A	
93.63V	0.03551A	
86.55V	0.033499A	
79.49V	0.031489A	
72.41V	0.029498A	
65.33V	0.027494A	
58.24V	0.025475A	
51.16V	0.023396A	
44.08V	0.021219A	
37.0V	0.018918A	
29.92V	0.016419A	
22.84V	0.01365A	
15.76V	0.010499A	
8.67V	0.006803A	
1.65V	0.002056A	
1.04V	0.001437A	
Kneepoint calculation:	IEC/BS	
V knee:	147.87V	
I knee:	0.064108A	





Comment:	B1 Bushing	
Date/Time:	6/7/23 11:27	
Fieldname:	Fieldvalue:	
P1 Puching CT		
B1 Bushing CT S/N D200200306-20/1		
3/N D200200306-20/1		
1s1-1s2		
1500:1		
5VA		
Class: TPY		
0.000		
2s1-2s2		
1500:1		
5VA		
Class: TPY		

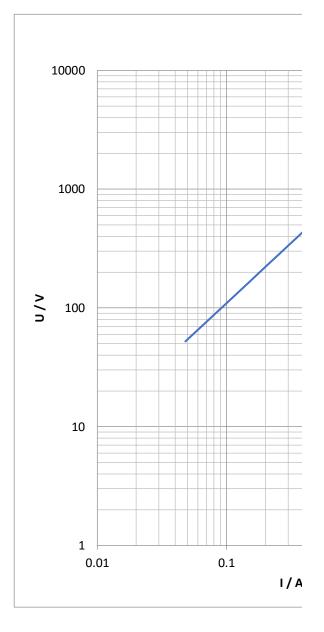
CTRatio:	Ratio B1-1		
Date/Time:	6/9/2023 12:39		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1500.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	300.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	299.87A	I prim Phase:	0.0°
I sec.:	0.2008A	I sec Phase:	0.06°
Ratio:	1500.0A	: 1.0044A	0.44%
Polarity:	OK		
measured with Burden:	NO		

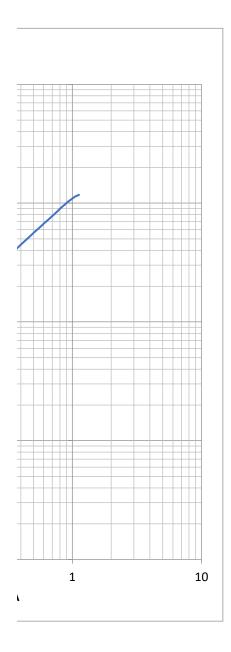
CTRatio:	Ratio B1-2		
Date/Time:	6/9/2023 12:40		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1500.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	300.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	299.88A	I prim Phase:	0.0°
I sec.:	0.20049A	I sec Phase:	0.08°
Ratio:	1500.0A:	1.0029A	0.29%
Polarity:	OK		
measured with Burden:	NO		

RWinding:	RWinding B1-1	
Date/Time:	6/9/2023 13:00	
Overload:	YES	
Assessment:	n/a	
Range:	DC 6A	
I Test:	1.0A	
R min:	0.0002Ω	
R max:	10.0Ω	
Results:		
I DC:	1.00001A	
V DC:	2.930024V	
R meas:	2.9299957Ω	
Deviation:	0.0%	
Time:	29.0s	
Temperature compensation:		
T meas.:	42.0°C	
T ref.:	75.0°C	
R ref.:	3.27905656Ω	

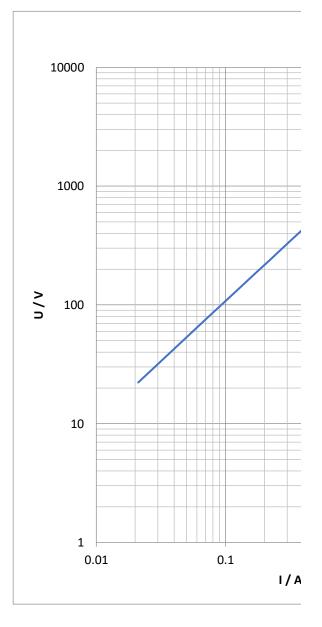
RWinding:	RWinding B1-2	
Date/Time:	6/9/2023 13:02	
Overload:	YES	
Assessment:	n/a	
Range:	DC 6A	
I Test:	1.0A	
R min:	0.0002Ω	
R max:	10.0Ω	
Results:		
I DC:	1.00006A	
V DC:	2.94668V	
R meas:	2.94650321Ω	
Deviation:	0.01%	
Time:	29.0s	
Temperature compensation:		
T meas.:	42.0°C	
T ref.:	75.0°C	
R ref.:	3.29753067Ω	

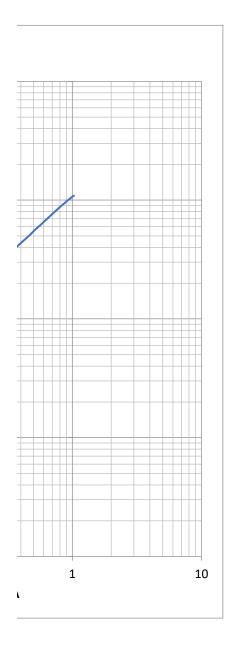
CTExcitation:	Excitation B1-1
Date/Time:	6/9/2023 13:30
Overload:	NO
Assessment:	n/a
V max:	1200.0V
I max:	2.0A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
1174.23V	1.125831A
1133.28V	1.049469A
1080.33V	0.984682A
1025.08V	0.926577A
968.87V	0.871643A
912.09V	0.818354A
855.23V	0.766038A
798.02V	0.714252A
740.79V	0.662802A
683.61V	0.611584A
626.39V	0.560473A
569.04V	0.509425A
511.53V	0.458402A
454.15V	0.40739A
396.76V	0.3563A
339.46V	0.305235A
282.15V	0.254119A
224.65V	0.202863A
167.08V	0.151458A
109.57V	0.099937A
52.22V	0.048096A
IZ	IEC/BS
Kneepoint calculation:	
V knee: I knee:	0.0
1 Knee:	0.0





CTExcitation:	Excitation B1-2
Date/Time:	6/9/2023 13:33
Overload:	NO
Assessment:	n/a
V max:	1100.0V
I max:	2.0A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
1090.76V	1.027849A
1041.75V	0.970037A
989.66V	0.915308A
936.87V	0.862958A
883.54V	0.811925A
830.0V	0.761604A
776.33V	0.711742A
722.52V	0.662216A
668.88V	0.612869A
615.11V	0.563676A
561.3V	0.514507A
507.31V	0.465374A
453.38V	0.416276A
399.67V	0.367169A
345.78V	0.318005A
291.81V	0.268787A
237.68V	0.219427A
183.7V	0.169953A
129.85V	0.12046A
76.13V	0.070841A
22.22V	0.021117A
Kneepoint calculation:	IEC/BS
V knee:	0.0
I knee:	0.0





Comment:	B2 Bushing	
Date/Time:	6/7/23 11:27	
Fieldname:	Fieldvalue:	
B2 Bushing CT S/N D200200306-20/2		
1s1-1s2 1500:1 5VA Class: TPY		
2s1-2s2 1500:1 5VA Class: TPY		

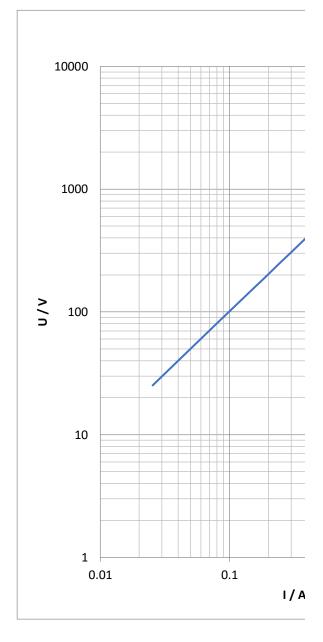
CTRatio:	Ratio B2-1		
Date/Time:	6/9/2023 12:32		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1500.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	300.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	299.78A	I prim Phase:	0.0°
I sec.:	0.20092A	I sec Phase:	0.05°
Ratio:	1500.0A:	1.0053A	0.53%
Polarity:	OK		
measured with Burden:	NO		

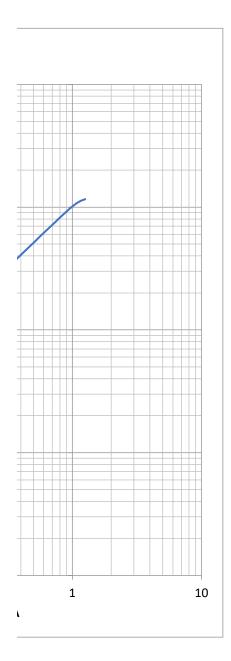
CTRatio:	Ratio B2-2		
Date/Time:	6/9/2023 12:34		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1500.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	300.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	299.73A	I prim Phase:	0.0°
I sec.:	0.20045A	I sec Phase:	0.03°
Ratio:	1500.0A	: 1.0032A	0.32%
Polarity:	OK		
measured with Burden:	NO		

RWinding:	RWinding B2-1	
Date/Time:	6/9/2023 13:04	
Overload:	YES	
Assessment:	n/a	
Range:	DC 6A	
I Test:	1.0A	
R min:	0.0002Ω	
R max:	10.0Ω	
Results:		
I DC:	0.99998A	
V DC:	2.956259V	
R meas:	2.95631913Ω	
Deviation:	0.01%	
Time:	29.0s	
Temperature compensation:		
T meas.:	42.0°C	
T ref.:	75.0°C	
R ref.:	3.30851599Ω	

RWinding:	RWinding B2-2	
Date/Time:	6/9/2023 13:06	
Overload:	YES	
Assessment:	n/a	
Range:	DC 6A	
I Test:	1.0A	
R min:	0.0002Ω	
R max:	10.0Ω	
Results:		
I DC:	1.00007A	
V DC:	2.929697V	
R meas:	2.92948994Ω	
Deviation:	0.01%	
Time:	28.0s	
Temperature compensation:		
T meas.:	42.0°C	
T ref.:	75.0°C	
R ref.:	3.27849055Ω	

CTExcitation:	Excitation B2-1
Date/Time:	6/9/2023 13:40
Overload:	NO
Assessment:	n/a
V max:	1200.0V
I max:	2.0A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
1160.82V	1.259052A
1128.88V	1.164978A
1080.65V	1.086347A
1027.84V	1.019869A
973.62V	0.959053A
918.65V	0.901135A
863.24V	0.844812A
807.85V	0.789374A
752.22V	0.734416A
696.44V	0.679725A
640.57V	0.625214A
584.7V	0.570842A
528.72V	0.516517A
472.7V	0.462225A
416.77V	0.407927A
360.81V	0.353511A
304.87V	0.299113A
249.02V	0.244649A
193.04V	0.190022A
137.04V	0.135322A
81.11V	0.080448A
25.2V	0.025431A
Kneepoint calculation:	IEC/BS
V knee:	0.0
I knee:	0.0





Comment:	2a Bushing	
Date/Time:	6/7/23 11:27	
Fieldname:	Fieldvalue:	
On Dunhing CT		
2a Bushing CT S/N D200200306-50/2		
3/N D200200300-30/2		
1s1-1s2		
1500:1		
5VA		
Class: TPY		
2s1-2s2		
1500:1		
5VA		
Class: TPY		
3s1-3s2		
1500:1		
10VA		
Class: 0.2		
4s1-4s2		
1500:1		
10VA		
Class: 0.2		
5s1-5s2		
1158:1.5		
10VA		
Class: 5		

CTRatio: Ratio 2a-1 Date/Time: 6/13/2023 4:06 Overload: NO Assessment: n/a Range: AC 800A Nominal values: 1500.0A I prim.: 1500.0A I sec.: 1.0A Frequency: 50.0Hz I test: 300.0A Automatic: YES I sec. Manual NO I sec. measured with current clamp NO Results: 1 I prim.: 300.09A I prim Phase: 0.0° I sec.: 0.19847A I sec Phase: 0.19° Ratio: 1500.0A: 0.9921A -0.79% Polarity: OK	CIED 41	D -1 -0 -1		
Overload: NO Assessment: n/a Range: AC 800A Nominal values: I prim.: I prim.: 1500.0A I sec.: 1.0A Frequency: 50.0Hz I test: 300.0A Automatic: YES I sec. Manual NO I sec. measured with current clamp NO Results: I prim.: 300.09A I prim Phase: 0.0° I sec.: 0.19847A I sec Phase: 0.19° Ratio: 1500.0A: 0.9921A -0.79% Polarity: OK	CTRatio:	Ratio 2a-1		
Assessment: n/a	Date/Time:	6/13/2023 4:06		
Range: AC 800A Nominal values: 1500.0A I prim.: 1500.0A I sec.: 1.0A Frequency: 50.0Hz I test: 300.0A Automatic: YES I sec. Manual NO I sec. measured with current clamp NO Results: 300.09A I prim Phase: 0.0° I sec.: 0.19847A I sec Phase: 0.19° Ratio: 1500.0A: 0.9921A -0.79% Polarity: OK -0.79%	Overload:	NO		
Nominal values: 1500.0A	Assessment:	n/a		
I prim.: 1500.0A	Range:	AC 800A		
I sec.: 1.0A	Nominal values:			
Frequency: 50.0Hz I test: 300.0A Automatic: YES I sec. Manual NO I sec. measured with current clamp NO Results: I prim.: I prim.: 300.09A I prim Phase: 0.0° I sec.: 0.19847A I sec Phase: 0.19° Ratio: 1500.0A: 0.9921A -0.79% Polarity: OK -0.79%	I prim.:	1500.0A		
I test: 300.0A	I sec.:	1.0A		
Automatic: YES I sec. Manual NO I sec. measured with current clamp NO Results: I prim.: I prim.: 300.09A I prim Phase: 0.0° I sec.: 0.19847A I sec Phase: 0.19° Ratio: 1500.0A: 0.9921A -0.79% Polarity: OK -0.79%	Frequency:	50.0Hz		
I sec. Manual	I test:	300.0A		
I sec. measured with current clamp NO Results: 300.09A I prim Phase: 0.0° I sec.: 0.19847A I sec Phase: 0.19° Ratio: 1500.0A: 0.9921A -0.79% Polarity: OK -0.79%	Automatic:	YES		
Results: 300.09A I prim Phase: 0.0° I sec.: 0.19847A I sec Phase: 0.19° Ratio: 1500.0A: 0.9921A -0.79% Polarity: OK -0.79%	I sec. Manual	NO		
I prim.: 300.09A I prim Phase: 0.0° I sec.: 0.19847A I sec Phase: 0.19° Ratio: 1500.0A: 0.9921A -0.79% Polarity: OK -0.79%	I sec. measured with current clamp	NO		
I sec.: 0.19847A I sec Phase: 0.19° Ratio: 1500.0A: 0.9921A -0.79% Polarity: OK -0.79%	Results:			
Ratio: 1500.0A: 0.9921A -0.79% Polarity: OK	I prim.:	300.09A	I prim Phase:	0.0°
Polarity: OK	I sec.:	0.19847A	I sec Phase:	0.19°
·	Ratio:	1500.0A	: 0.9921A	-0.79%
	Polarity:	OK		
measured with Burden: NO	measured with Burden:	NO		

CTRatio:	Ratio 2a-2		
Date/Time:	6/13/2023 4:08		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1500.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	300.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	299.92A	I prim Phase:	0.0°
I sec.:	0.19953A	I sec Phase:	0.03°
Ratio:	1500.0A:	0.9979A	-0.21%
Polarity:	OK		
measured with Burden:	NO		

- A			
CTRatio:	Ratio 2a-3		
Date/Time:	6/13/2023 4:11		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1500.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	300.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	299.96A	I prim Phase:	0.0°
I sec.:	0.1997A	I sec Phase:	-0.05°
Ratio:	1500.0A	: 0.9986A	-0.14%
Polarity:	OK		
measured with Burden:	NO		

CTRatio:	Ratio 2a-4		
Date/Time:	6/13/2023 4:13		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1500.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	300.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	299.88A	I prim Phase:	0.0°
I sec.:	0.19979A	I sec Phase:	-0.03°
Ratio:	1500.04	A: 0.9993A	-0.07%
Polarity:	OK		
measured with Burden:	NO		

CTRatio:	Ratio 2a-5		
Date/Time:	6/13/2023 4:17		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1158.0A		
I sec.:	1.5A		
Frequency:	50.0Hz		
I test:	240.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	239.92A	I prim Phase:	0.0°
I sec.:	0.30827A	I sec Phase:	0.4°
Ratio:	1158.0A	: 1.4879A	-0.81%
Polarity:	OK		
measured with Burden:	NO		

RWinding:	RWinding 2a-1
Date/Time:	6/13/2023 4:28
Overload:	YES
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002Ω
R max:	10.0Ω
Results:	
I DC:	1.00004A
V DC:	3.032651V
R meas:	3.0325287Ω
Deviation:	0.06%
Time:	29.0s
Temperature compensa	tion:
T meas.:	33.0°C
T ref.:	75.0°C
R ref.:	3.50777574Ω

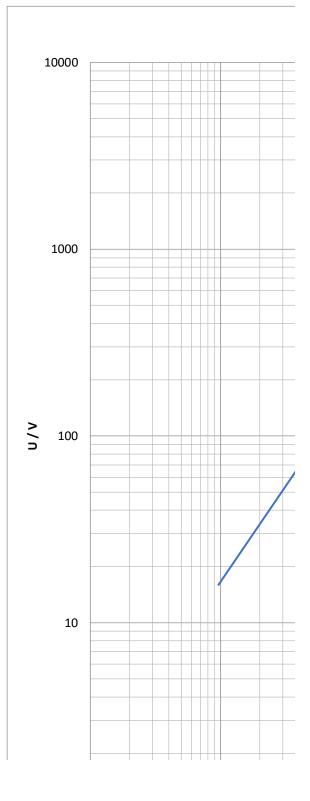
RWinding:	RWinding 2a-2
Date/Time:	6/13/2023 4:30
Overload:	YES
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002Ω
R max:	10.0Ω
Results:	
I DC:	1.00006A
V DC:	3.005945V
R meas:	3.00576465Ω
Deviation:	0.03%
Time:	29.0s
Temperature compensa	tion:
T meas.:	33.0°C
T ref.:	75.0°C
R ref.:	3.47681732Ω

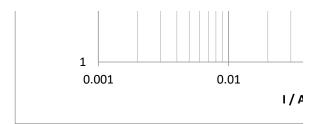
RWinding:	RWinding 2a-3
Date/Time:	6/13/2023 4:32
Overload:	NO
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002Ω
R max:	10.0Ω
Results:	
I DC:	0.93523A
V DC:	6.742434V
R meas:	7.209387Ω
Deviation:	0.01%
Time:	28.0s
Temperature compensa	tion:
T meas.:	33.0°C
T ref.:	75.0°C
R ref.:	8.33921631Ω

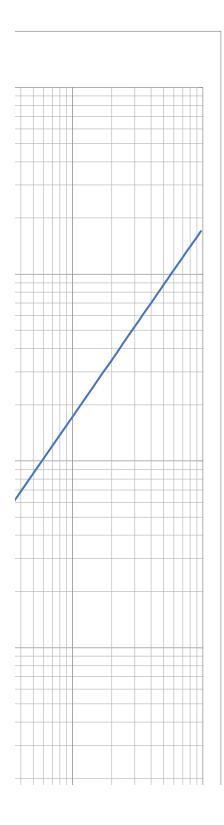
RWinding:	RWinding 2a-4
Date/Time:	6/13/2023 4:34
Overload:	NO
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002Ω
R max:	10.0Ω
Results:	
I DC:	0.93882A
V DC:	6.692533V
R meas:	7.12866684Ω
Deviation:	0.0%
Time:	47.0s
Temperature compensa	tion:
T meas.:	33.0°C
T ref.:	75.0°C
R ref.:	8.24584597Ω

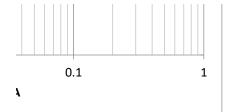
RWinding:	RWinding 2a-5
Date/Time:	6/13/2023 4:36
Overload:	YES
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002Ω
R max:	10.0Ω
Results:	
I DC:	1.00001A
V DC:	1.74234V
R meas:	1.74232258Ω
Deviation:	0.01%
Time:	27.0s
Temperature compensa	tion:
T meas.:	33.0°C
T ref.:	75.0°C
R ref.:	2.01537313Ω

CTExcitation:	Excitation 2a-1
Date/Time:	6/13/2023 4:43
Overload:	NO
Assessment:	n/a
V max:	1700.0V
I max:	1.47059A
Frequency:	50.0Hz
Noise suppression:	NO NO
Automatic:	YES
V	
V	I
1,000,000	0.0667624
1699.26V	0.966763A
1654.05V	0.940932A
1607.11V	0.914637A
1562.45V	0.888945A
1517.94V	0.863513A
1472.04V	0.837605A
1426.85V	0.811827A
1380.97V	0.785952A
1335.98V	0.760238A
1291.04V	0.734629A
1245.59V	0.709025A
1199.6V	0.68325A
1153.94V	0.657457A
1109.16V	0.631957A
1063.53V	0.606164A
1018.03V	0.580416A
972.96V	0.554794A
927.46V	0.52902A
882.52V	0.503422A
836.56V	0.477704A
791.05V	0.451956A
745.62V	0.42617A
700.21V	0.400434A
654.94V	0.374624A
609.38V	0.34885A
564.36V	0.323166A
518.7V	0.297352A
473.21V	0.2716A
427.62V	0.245663A
382.06V	0.219788A
336.87V	0.193886A
291.2V	0.167926A
245.99V	0.142012A
200.4V	0.115916A
155.15V	0.089972A
109.66V	0.063684A
64.11V	0.037484A
15.95V	0.009631A
Kneepoint calculation:	IEC/BS
V knee:	0.0
I knee:	0.0

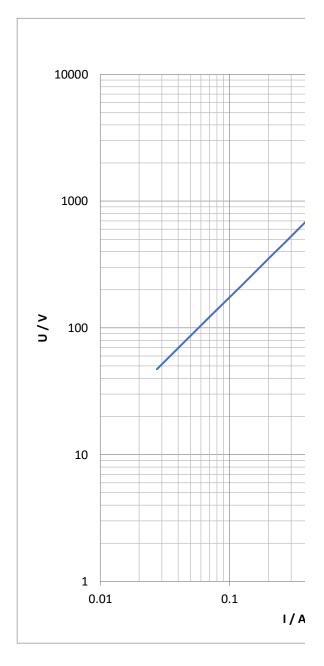


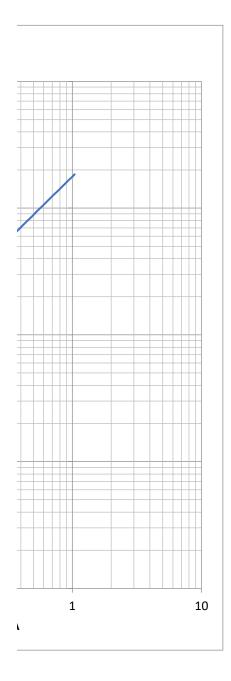




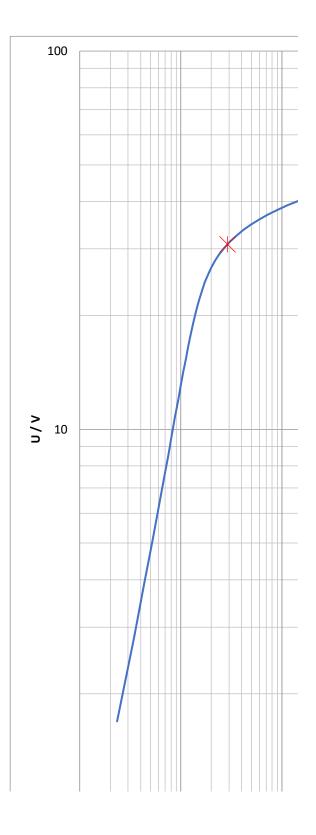


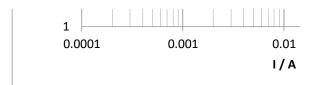
CTExcitation:	Excitation 2a-2				
Date/Time: 6/13/2023 4:47					
Overload:	NO				
Assessment:	n/a				
V max:	1850.0V				
I max:	1.35135A				
Frequency:	50.0Hz				
Noise suppression:	NO				
Automatic:	YES				
V	I				
·	_				
1848.79V	1.042822A				
1765.92V	0.995794A				
1684.41V	0.9493A				
1603.65V	0.903398A				
1520.57V	0.8572A				
1439.59V	0.811269A				
1357.74V	0.765515A				
1275.64V	0.719553A				
1194.08V	0.673507A				
1112.68V	0.627778A				
1030.27V	0.581972A				
948.01V	0.535953A				
866.34V	0.490076A				
784.73V	0.444157A				
702.53V	0.398128A				
620.73V	0.352094A				
539.04V	0.306109A				
457.13V	0.260039A				
374.88V	0.213818A				
292.73V	0.167435A				
210.93V	0.120965A				
129.18V	0.074317A				
47.24V	0.027449A				
Kneepoint calculation:	IEC/BS				
V knee:	0.0				
I knee:	0.0				



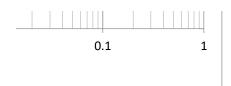


CTExcitation:	Excitation 2a-3
Date/Time:	6/13/2023 4:53
Overload:	NO n/a
Assessment:	n/a
V max:	50.0V
I max:	1.6A
Frequency:	50.0Hz
Noise suppression:	YES
Automatic:	YES
V	I
41.32V	0.018416A
40.27V	0.014876A
39.18V	0.011499A
38.08V	0.009071A
36.95V	0.007275A
35.83V	0.005923A
34.7V	0.004896A
33.58V	0.004112A
32.44V	0.003513A
31.31V	0.003049A
30.17V	0.002685A
29.04V	0.002403A
27.89V	0.002183A
26.75V	0.002A
25.61V	0.001852A
24.48V	0.001729A
23.34V	0.001624A
22.21V	0.001533A
21.06V	0.00145A
19.93V	0.001375A
18.79V	0.001311A
17.65V	0.001246A
16.51V	0.001181A
15.36V	0.001124A
14.23V	0.001061A
13.08V	0.001001A
11.94V	0.00094A
10.8V	0.000878A
9.67V	0.000814A
8.52V	0.000749A
7.38V	0.000679A
6.23V	0.000604A
5.09V	0.000525A
3.96V	0.000438A
2.81V	0.000344A
1.69V	0.000234A
Kneepoint calculation:	IEC/BS
V knee:	30.82V
I knee:	0.002889A
	0.00230711

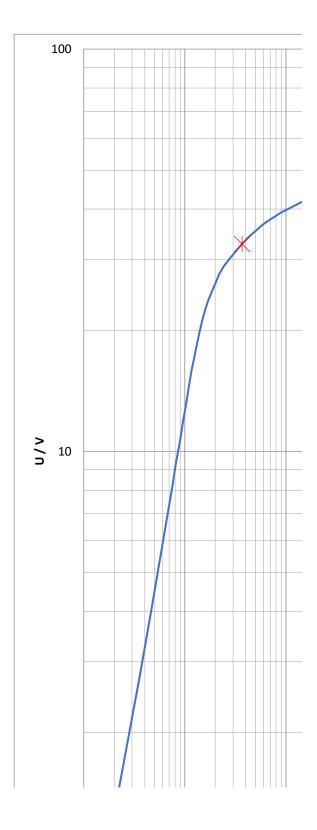


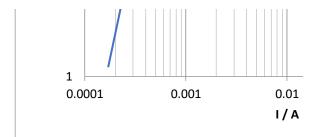


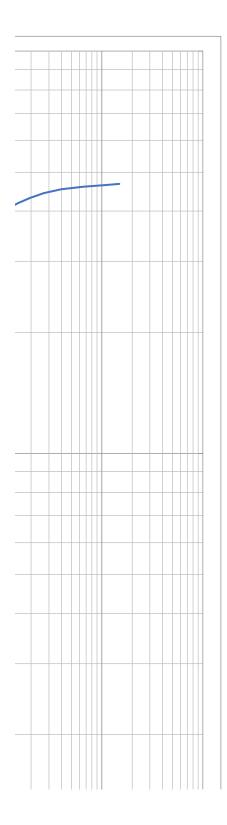
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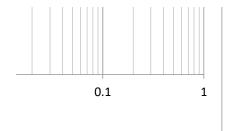


CTExcitation:	Excitation 2a-4
Date/Time:	6/13/2023 4:56
Overload:	NO
Assessment:	n/a
V max:	50.0V
I max:	1.2A
Frequency:	50.0Hz
	NO
Noise suppression: Automatic:	YES
V	I
v	1
16 75V	0.149126A
46.75V 46.44V	0.149126A 0.106606A
46.03V	0.10000A 0.065719A
45.37V	0.03719A 0.039632A
44.33V	0.036702A 0.026702A
43.15V	0.020702A 0.019555A
41.89V	0.019333A 0.014977A
40.63V	0.014977A 0.011696A
39.35V	0.009172A
38.05V	0.007172A 0.007376A
36.77V	0.006062A
35.46V	0.005118A
34.16V	0.003116A 0.004314A
32.85V	0.003712A
31.55V	0.003712A 0.003234A
30.24V	0.002806A
28.93V	0.002445A
27.63V	0.0022A
26.31V	0.00203A
25.0V	0.001852A
23.7V	0.001695A
22.38V	0.001585A
21.08V	0.001484A
19.78V	0.001398A
18.46V	0.001315A
17.16V	0.001242A
15.85V	0.001165A
14.53V	0.001097A
13.23V	0.001034A
11.91V	0.000963A
10.6V	0.000892A
9.3V	0.000815A
7.98V	0.000738A
6.66V	0.000654A
5.36V	0.000565A
4.05V	0.000466A
2.75V	0.000356A
1.46V	0.000224A
1.06V	0.000171A
Vm a am ainst a all a 1 d'	IEC/DC
Kneepoint calculation:	IEC/BS
V knee:	32.75V
I knee:	0.003671A

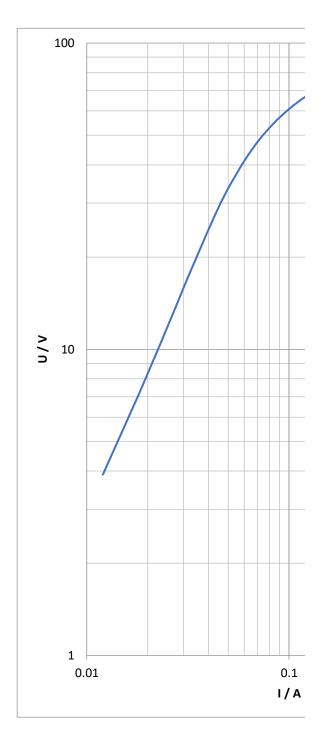


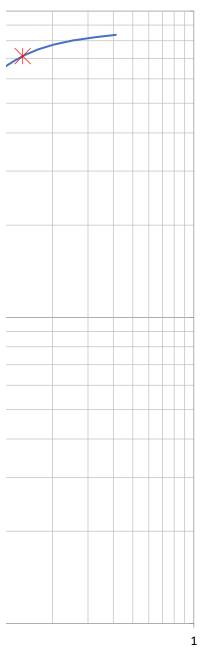






CTExcitation:	Excitation 2a-5		
Date/Time:	6/13/2023 4:59		
Overload:	NO		
Assessment:	n/a		
V max:	90.0V		
I max:	1.6A		
Frequency:	50.0Hz		
Noise suppression:	NO		
Automatic:	YES		
V	I		
•	1		
83.63V	0.411422A		
82.2V	0.324491A		
80.21V	0.252212A		
77.73V	0.202903A		
74.94V	0.169838A		
71.99V	0.146876A		
68.91V	0.12981A		
65.79V	0.116484A		
62.65V	0.105382A		
59.47V	0.095885A		
56.24V	0.087634A		
53.02V	0.080396A		
49.8V	0.073984A		
46.55V	0.068247A		
43.31V	0.063117A		
40.05V	0.058428A		
36.8V	0.054108A		
33.53V	0.0501A		
30.25V	0.046241A		
26.98V	0.042566A		
23.69V	0.039009A		
20.4V	0.035362A		
17.12V	0.031585A		
13.81V	0.027625A		
10.52V	0.023301A		
7.2V	0.018219A		
3.9V	0.012022A		
Kneepoint calculation:	IEC/BS 71.18V		
I knee:	0.142277A		





Comment:	3a Bushing	
Date/Time:	6/7/23 11:27	
Fieldname:	Fieldvalue:	
3a Bushing CT		
S/N D200200306-30/1		
1s1-1s2		
1000:1		
5VA		
Class: TPY		
2s1-2s2		
1000:1		
5VA		
Class: TPY		
3s1-3s2		
1000:1		
10VA		
Class: 0.2		
4s1-4s2		
668:1.5		
10VA		
Class: 5		

CTRatio:	Ratio 3a-1		
Date/Time:	6/9/2023 9:39		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1000.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	200.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	199.96A	I prim Phase:	0.0°
I sec.:	0.19965A	I sec Phase:	0.12°
Ratio:	1000.0A:	0.9984A	-0.16%
Polarity:	OK		
measured with Burden:	NO		

CTRatio:	Ratio 3a-2		
Date/Time:	6/9/2023 9:41		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1000.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	200.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	199.96A	I prim Phase:	0.0°
I sec.:	0.19971A	I sec Phase:	0.11°
Ratio:	1000.0A:	0.9987A	-0.13%
Polarity:	OK		
measured with Burden:	NO		

CTRatio:	Ratio 3a-3		
Date/Time:	6/9/2023 9:42		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1000.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	200.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	199.96A	I prim Phase:	0.0°
I sec.:	0.19967A	I sec Phase:	0.05°
Ratio:	1000.04	A: 0.9985A	-0.15%
Polarity:	OK		
measured with Burden:	NO		

CTRatio:	Ratio 3a-4		
Date/Time:	6/9/2023 9:44		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	668.0A		
I sec.:	1.5A		
Frequency:	50.0Hz		
I test:	135.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	134.97A	I prim Phase:	0.0°
I sec.:	0.30146A	I sec Phase:	-179.26°
Ratio:	668.0A	: 1.492A	-0.53%
Polarity:	Failed		
measured with Burden:	NO		

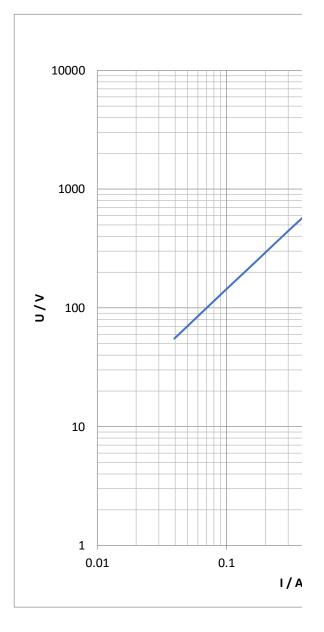
RWinding:	RWinding 3a-1	
Date/Time:	6/9/2023 9:57	
Overload:	NO	
Assessment:	n/a	
Range:	DC 6A	
I Test:	1.0A	
R min:	0.0002Ω	
R max:	10.0Ω	
Results:		
I DC:	1.00004A	
V DC:	2.820938V	
R meas:	2.82082717Ω	
Deviation:	0.01%	
Time:	29.0s	
Temperature compensation:		
T meas.:	42.0°C	
T ref.:	75.0°C	
R ref.:	3.15688239Ω	

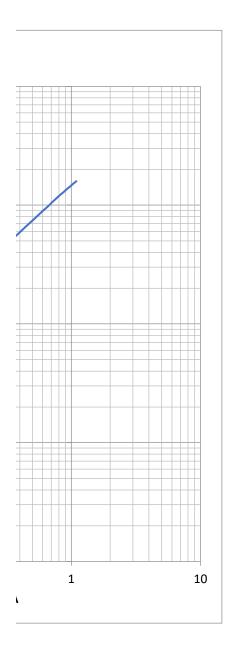
RWinding:	RWinding 3a-2	
Date/Time:	6/9/2023 9:59	
Overload:	YES	
Assessment:	n/a	
Range:	DC 6A	
I Test:	1.0A	
R min:	0.0002Ω	
R max:	10.0Ω	
Results:		
I DC:	1.00002A	
V DC:	2.829978V	
R meas:	2.8299234Ω	
Deviation:	0.01%	
Time:	29.0s	
Temperature compensation:		
T meas.:	42.0°C	
T ref.:	75.0°C	
R ref.:	3.16706229Ω	

RWinding:	RWinding 3a-3	
Date/Time:	6/9/2023 10:00	
Overload:	NO	
Assessment:	n/a	
Range:	DC 6A	
I Test:	1.0A	
R min:	0.0002Ω	
R max:	10.0Ω	
Results:		
I DC:	1.05781A	
V DC:	4.607909V	
R meas:	4.35608474Ω	
Deviation:	0.01%	
Time:	27.0s	
Temperature compensation:		
T meas.:	42.0°C	
T ref.:	75.0°C	
R ref.:	4.87504068Ω	

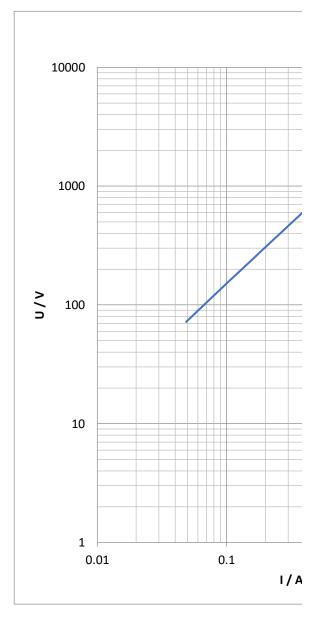
RWinding:	RWinding 3a-4	
Date/Time:	6/9/2023 10:02	
Overload:	NO	
Assessment:	n/a	
Range:	DC 6A	
I Test:	1.0A	
R min:	0.0002Ω	
R max:	10.0Ω	
Results:		
I DC:	1.00002A	
V DC:	1.36047V	
R meas:	1.36044279Ω	
Deviation:	0.03%	
Time:	28.0s	
Temperature compensation:		
T meas.:	42.0°C	
T ref.:	75.0°C	
R ref.:	1.5225172Ω	

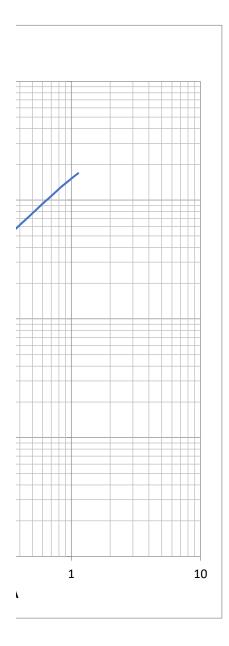
CTExcitation:	Excitation 3a-1
Date/Time:	6/9/2023 10:51
Overload:	NO
Assessment:	n/a
V max:	1600.0V
I max:	1.38889A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
1589.68V	1.094335A
1515.3V	1.035798A
1439.8V	0.978967A
1363.36V	0.923732A
1287.2V	0.869726A
1210.99V	0.816684A
1134.08V	0.763986A
1057.14V	0.711728A
980.23V	0.659762A
903.69V	0.608157A
826.73V	0.556676A
749.64V	0.505178A
672.68V	0.453793A
595.45V	0.402395A
518.34V	0.351003A
441.25V	0.299627A
364.26V	0.248155A
287.12V	0.196528A
209.77V	0.144651A
132.46V	0.092462A
55.21V	0.039558A
Kneepoint calculation:	IEC/BS
V knee:	0.0
I knee:	0.0



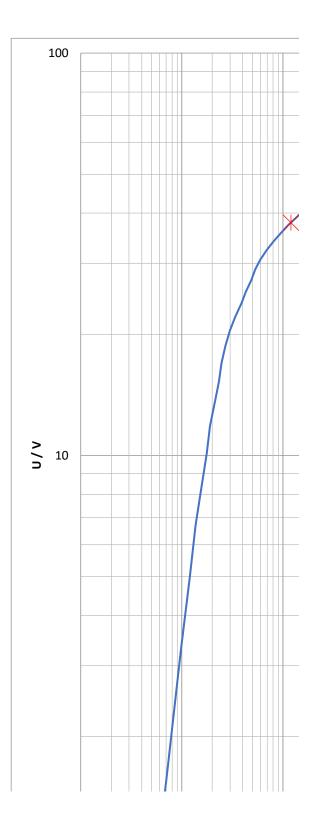


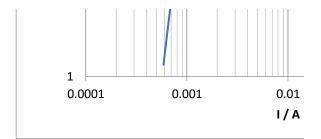
CTExcitation:	Excitation 3a-2
Date/Time:	6/9/2023 10:56
Overload:	NO
Assessment:	n/a
V max:	1700.0V
I max:	1.47059A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
1684.65V	1.131255A
1607.67V	1.066718A
1528.71V	1.005376A
1448.83V	0.94653A
1369.1V	0.890273A
1288.74V	0.835032A
1208.25V	0.780894A
1127.54V	0.727446A
1046.54V	0.674506A
965.74V	0.622113A
884.91V	0.570006A
803.63V	0.518015A
722.43V	0.46611A
641.21V	0.414288A
559.99V	0.362459A
478.94V	0.31071A
397.64V	0.258816A
316.21V	0.206767A
234.61V	0.154458A
153.32V	0.101923A
71.99V	0.048782A
Kneepoint calculation:	IEC/BS
V knee:	0.0
I knee:	0.0

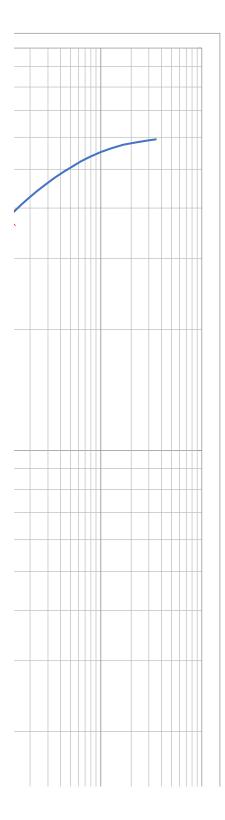


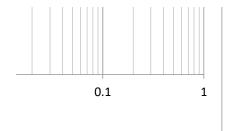


CTExcitation:	Excitation 3a-3
Date/Time:	6/9/2023 11:02
Overload:	NO
Assessment:	n/a
V max:	65.0V
I max:	2.0A
Frequency:	50.0Hz
Noise suppression:	NO NO
Automatic:	YES
V	
v	I
59.3V	0.350323A
58.89V	0.330323A 0.289778A
58.32V	0.223834A
57.49V	0.168376A
56.41V	0.108370A 0.128322A
55.14V	0.128322A 0.099976A
53.75V	0.079413A
52.26V	0.063879A
50.71V	0.051891A
49.13V	0.042382A
47.51V	0.03477A
45.85V	0.02864A
44.2V	0.023707A
42.51V	0.019634A
40.83V	0.016376A
39.15V	0.01378A
37.46V	0.011398A
35.75V	0.009547A
34.06V	0.008083A
32.35V	0.006905A
30.63V	0.005953A
28.93V	0.005296A
27.22V	0.004865A
25.51V	0.004277A
23.81V	0.003887A
22.1V	0.003362A
20.39V	0.002985A
18.66V	0.0027A
16.95V	0.00247A
15.23V	0.002333A
13.53V	0.002112A
11.82V	0.001893A
10.11V	0.001758A
8.39V	0.001569A
6.69V	0.001367A
4.97V	0.0012A
3.27V	0.000975A
1.59V	0.00071A 0.000587A
1.07V	0.00038/A
Kneepoint calculation:	IEC/BS
V knee:	37.91V
	0.012002A
I knee:	0.012002A

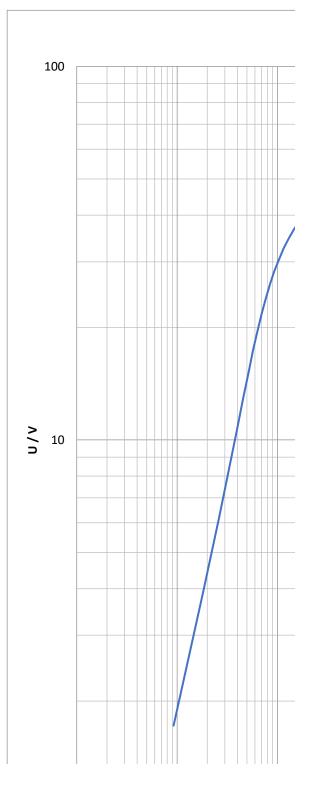




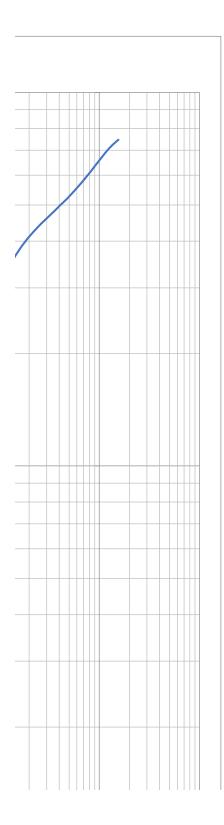


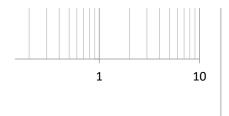


CTExcitation:	Excitation 3a-4
Date/Time:	6/9/2023 11:05
Overload:	NO
Assessment:	n/a
V max:	85.0V
I max:	2.0A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
•	1
74.69V	1.554631A
73.77V	1.469528A
72.34V	1.358746A
70.74V	1.25205A
68.93V	1.153058A
67.1V	1.062178A
65.15V	0.976016A
63.26V	0.895698A
61.32V	0.81771A
59.36V	0.81771A 0.742766A
57.48V	0.671204A
55.55V	0.601109A
53.63V	0.534232A
51.8V	0.334232A 0.471479A
49.95V	0.4/14/9A 0.411832A
49.93 V 48.08 V	0.411832A 0.356639A
46.27V	0.306825A
44.47V	0.262804A
42.59V	0.202804A 0.224474A
40.64V	0.192636A
38.64V	0.1672A
36.62V	0.146601A
34.57V	0.129725A
32.5V	0.115617A
30.4V	0.113617A 0.103597A
28.26V	0.093288A
26.11V	0.084432A
23.95V	0.076642A
21.77V	0.069705A
19.56V	0.063375A
17.37V	0.057447A
15.13V	0.051587A
12.9V	0.045765A
10.66V	0.03973A
8.44V	0.033304A
6.19V	0.026266A
3.94V	0.020200A 0.018381A
1.72V	0.009243A
1.72 4	0.0072T311
Kneepoint calculation:	IEC/BS
V knee:	0.0
I knee:	0.0
i miice.	0.0









Comment:	3b Bushing	
Date/Time:	6/7/23 11:27	
Fieldname:	Fieldvalue:	
3b Bushing CT		
S/N D200200306-40/1		
3/N D200200300-40/1		
1s1-1s2		
1000:1		
5VA		
Class: TPY		
0.400		
2s1-2s2		
1000:1		
5VA		
Class: TPY		
3s1-3s2		
1000:1		
10VA		
Class: 0.2		

CTRatio:	Ratio 3b-1		
Date/Time:	6/9/2023 9:49		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1000.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	200.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	199.95A	I prim Phase:	0.0°
I sec.:	0.20181A	I sec Phase:	0.13°
Ratio:	1000.0A:	1.0093A	0.93%
Polarity:	OK		
measured with Burden:	NO		

CTRatio:	Ratio 3b-2		
Date/Time:	6/9/2023 9:51		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1000.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	200.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	199.93A	I prim Phase:	0.0°
I sec.:	0.19978A	I sec Phase:	0.12°
Ratio:	1000.0	OA: 0.9992A	-0.08%
Polarity:	OK		
measured with Burden:	NO		

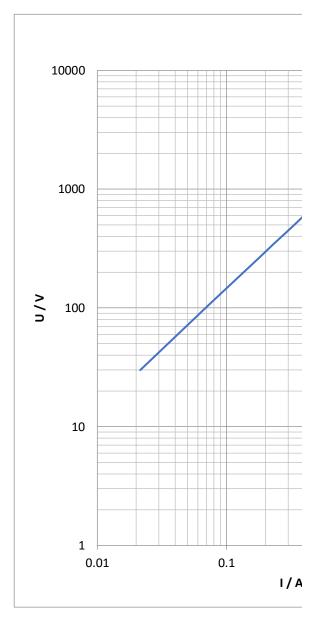
CTRatio:	Ratio 3b-3		
Date/Time:	6/9/2023 9:51		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1000.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	200.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	199.94A	I prim Phase:	0.0°
I sec.:	0.19945A	I sec Phase:	-0.02°
Ratio:	1000.0A:	0.9975A	-0.25%
Polarity:	OK		
measured with Burden:	NO		

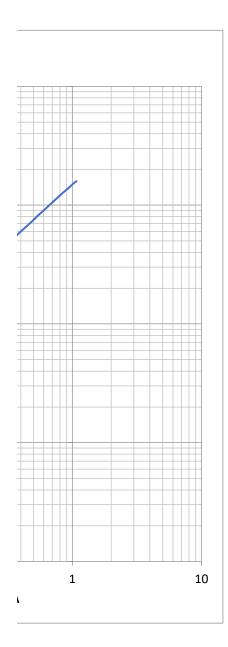
RWinding:	RWinding 3b-1	
Date/Time:	6/9/2023 10:06	
Overload:	YES	
Assessment:	n/a	
Range:	DC 6A	
I Test:	1.0A	
R min:	0.0002Ω	
R max:	10.0Ω	
Results:		
I DC:	0.99958A	
V DC:	2.754486V	
R meas:	2.75564237Ω	
Deviation:	0.08%	
Time:	148.0s	
Temperature compensation:		
T meas.:	42.0°C	
T ref.:	75.0°C	
R ref.:	3.08393189Ω	

RWinding:	RWinding 3b-2	
Date/Time:	6/9/2023 10:09	
Overload:	YES	
Assessment:	n/a	
Range:	DC 6A	
I Test:	1.0A	
R min:	0.0002Ω	
R max:	10.0Ω	
Results:		
I DC:	0.99993A	
V DC:	2.83904V	
R meas:	2.83923875Ω	
Deviation:	0.05%	
Time:	115.0s	
Temperature compensation:		
T meas.:	42.0°C	
T ref.:	75.0°C	
R ref.:	3.17748741Ω	

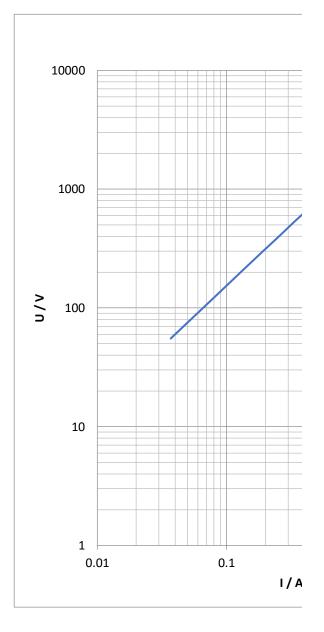
RWinding:	RWinding 3b-3	
Date/Time:	6/9/2023 10:11	
Overload:	YES	
Assessment:	n/a	
Range:	DC 6A	
I Test:	1.0A	
R min:	0.0002Ω	
R max:	10.0Ω	
Results:		
I DC:	1.05731A	
V DC:	4.610259V	
R meas:	4.36036735Ω	
Deviation:	0.01%	
Time:	27.0s	
Temperature compensation:		
T meas.:	42.0°C	
T ref.:	75.0°C	
R ref.:	4.8798335Ω	

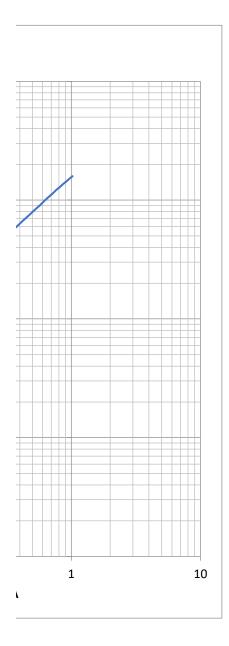
CTExcitation:	Excitation 3b-1
Date/Time:	6/9/2023 10:35
Overload:	NO
Assessment:	n/a
V max:	1600.0V
I max:	1.38889A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
1590.94V	1.076031A
1515.02V	1.018141A
1437.69V	0.962027A
1360.51V	0.907859A
1282.98V	0.85454A
1204.99V	0.801825A
1126.9V	0.749404A
1048.65V	0.697246A
970.6V	0.645389A
892.42V	0.59372A
814.0V	0.542039A
735.81V	0.490376A
657.35V	0.438655A
579.16V	0.386988A
500.79V	0.335287A
422.17V	0.283491A
343.67V	0.231559A
265.19V	0.179475A
186.8V	0.127182A
108.4V	0.074615A
29.96V	0.021511A
Kneepoint calculation:	IEC/BS
V knee:	0.0
I knee:	0.0





CTExcitation:	Excitation 3b-2
Date/Time:	6/9/2023 10:37
Overload:	NO
Assessment:	n/a
V max:	1600.0V
I max:	1.38735A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
1590.45V	1.022734A
1515.54V	0.968272A
1439.71V	0.91514A
1363.41V	0.863555A
1287.32V	0.813212A
1210.73V	0.763391A
1134.18V	0.714224A
1057.26V	0.665375A
980.45V	0.616864A
903.58V	0.568597A
826.29V	0.520368A
749.31V	0.47234A
672.51V	0.424384A
595.55V	0.376391A
518.46V	0.328375A
441.07V	0.28027A
363.91V	0.232086A
286.88V	0.183772A
209.63V	0.13526A
132.55V	0.086458A
55.23V	0.037012A
Kneepoint calculation:	IEC/BS
V knee:	0.0
I knee:	0.0





CTExcitation:	Excitation 3b-3
Date/Time:	6/9/2023 10:48
Overload:	NO
Assessment:	n/a
V max:	65.0V
I max:	2.0A
Frequency:	50.0Hz
Noise suppression:	NO NO
Automatic:	YES
V	
v	I
58.91V	0.385062A
58.49V	0.320235A
57.94V	0.320233A 0.249136A
57.22V	0.249130A 0.188676A
56.22V	0.142614A
55.01V	0.112014A 0.11033A
53.66V	0.11033A 0.087253A
52.22V	0.070225A
50.67V	0.077223A 0.057211A
49.09V	0.047095A
47.48V	0.039031A
45.84V	0.032545A
44.19V	0.032343A 0.027168A
42.49V	0.022694A
40.81V	0.018925A
39.12V	0.015879A
37.43V	0.013077A
35.75V	0.010848A
34.04V	0.009052A
32.35V	0.007679A
30.63V	0.006537A
28.92V	0.005536A
27.21V	0.004736A
25.5V	0.004043A
23.79V	0.003978A
22.09V	0.003337A
20.39V	0.002676A
18.68V	0.002401A
16.96V	0.002185A
15.24V	0.00198A
13.53V	0.001801A
11.82V	0.001638A
10.1V	0.001478A
8.39V	0.00132A
6.69V	0.001165A
4.97V	0.000998A
3.26V	0.000818A
1.59V	0.000577A
1.06V	0.000476A
Kneepoint calculation:	IEC/BS
V knee:	37.2V
I knee:	0.012782A

