

CT Test Report

Template: CT Test Report
Version: 1.40 SR2



Site name:		Substation Sample 1		Date:		#REF!	
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
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#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
1. Polarity:		#REF!		#REF!		#REF!	
2. Ratio + Accuracy		#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
3. Angle [°]		#REF!		#REF!		#REF!	
4. Burden [VA/cosφ]		#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
5. Rs CT [Ohm]		#REF!		#REF!		#REF!	
6. Knee Point [V/mA]		#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
7. Excit. Curve No. 1		#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
2	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
3	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
4	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
5	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
6	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
7	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
8	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
9	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
10	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
11	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
12	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
13	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
14	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
15	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
16	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
17	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
18	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
19	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
20	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
21	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
22	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
23	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
24	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
25	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
26	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
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36	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
37	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!

Excitation Curve Phase A

Excitation Curve Phase B

Excitation Curve Phase C

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:	Ratio A-5		
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:	0.0002 Ω
R max:	10.0 Ω
Results:	
I DC:	0.99999A
V DC:	3.027732V
R meas:	3.02776028 Ω
Deviation:	0.0%
Time:	26.0s
Temperature compensation:	
T meas.:	42.0°C
T ref.:	75.0°C
R ref.:	3.38846818 Ω

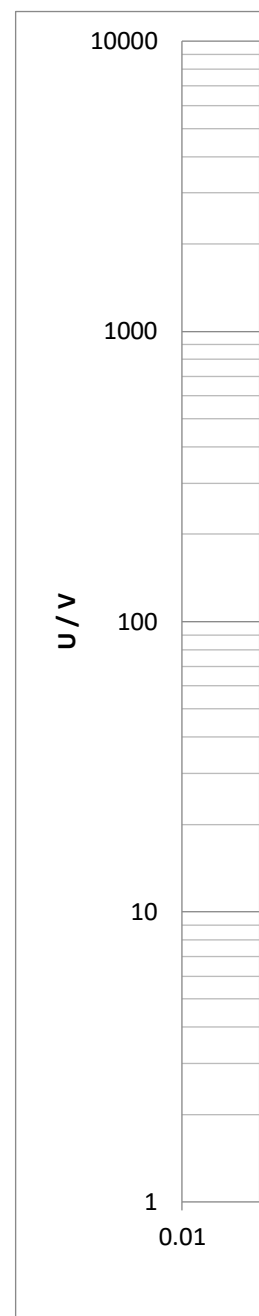
RWinding:	RWinding A-2
Date/Time:	6/9/2023 12:51
Overload:	YES
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002 Ω
R max:	10.0 Ω
Results:	
I DC:	1.00002A
V DC:	3.033708V
R meas:	3.03364933 Ω
Deviation:	0.0%
Time:	26.0s
Temperature compensation:	
T meas.:	42.0°C
T ref.:	75.0°C
R ref.:	3.39505882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

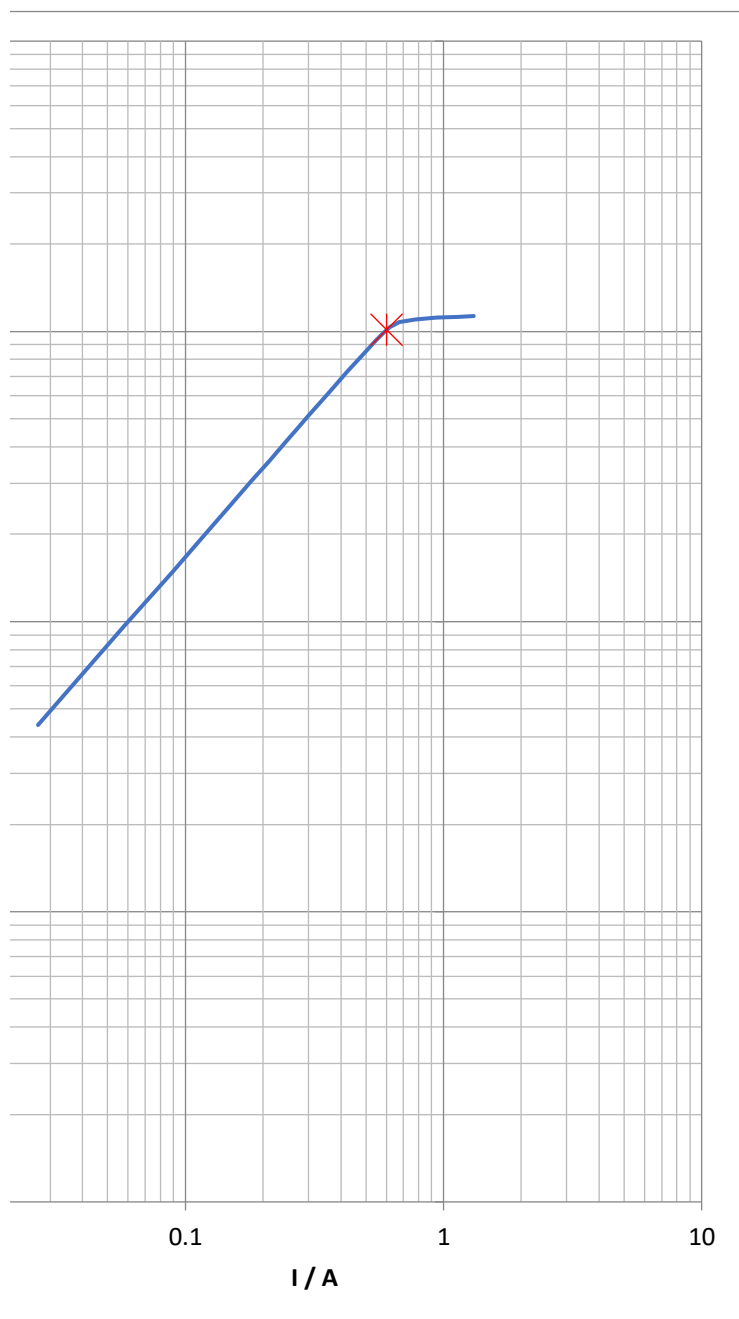
RWinding:	RWinding A-3
Date/Time:	6/9/2023 12:54
Overload:	NO
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002 Ω
R max:	10.0 Ω
Results:	
I DC:	0.96987A
V DC:	6.336009V
R meas:	6.53284461 Ω
Deviation:	0.03%
Time:	27.0s
Temperature compensation:	
T meas.:	42.0°C
T ref.:	75.0°C
R ref.:	7.31112574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

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:	0.0002 Ω
R max:	10.0 Ω
Results:	
I DC:	0.97144A
V DC:	6.281253V
R meas:	6.46592172 Ω
Deviation:	0.01%
Time:	28.0s
Temperature compensation:	
T meas.:	42.0°C
T ref.:	75.0°C
R ref.:	7.23623008 Ω

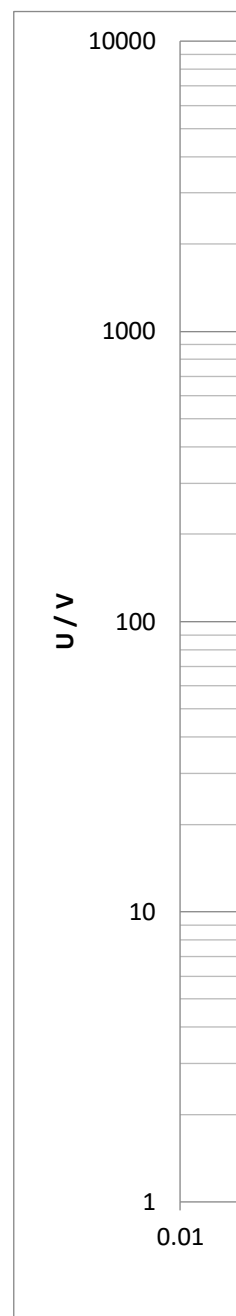
RWinding:	RWinding A-5
Date/Time:	6/9/2023 12:57
Overload:	YES
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002Ω
R max:	10.0Ω
Results:	
I DC:	1.00006A
V DC:	2.978908V
R meas:	2.97873128Ω
Deviation:	0.0%
Time:	24.0s
Temperature compensation:	
T meas.:	42.0°C
T ref.:	75.0°C
R ref.:	3.33359818Ω

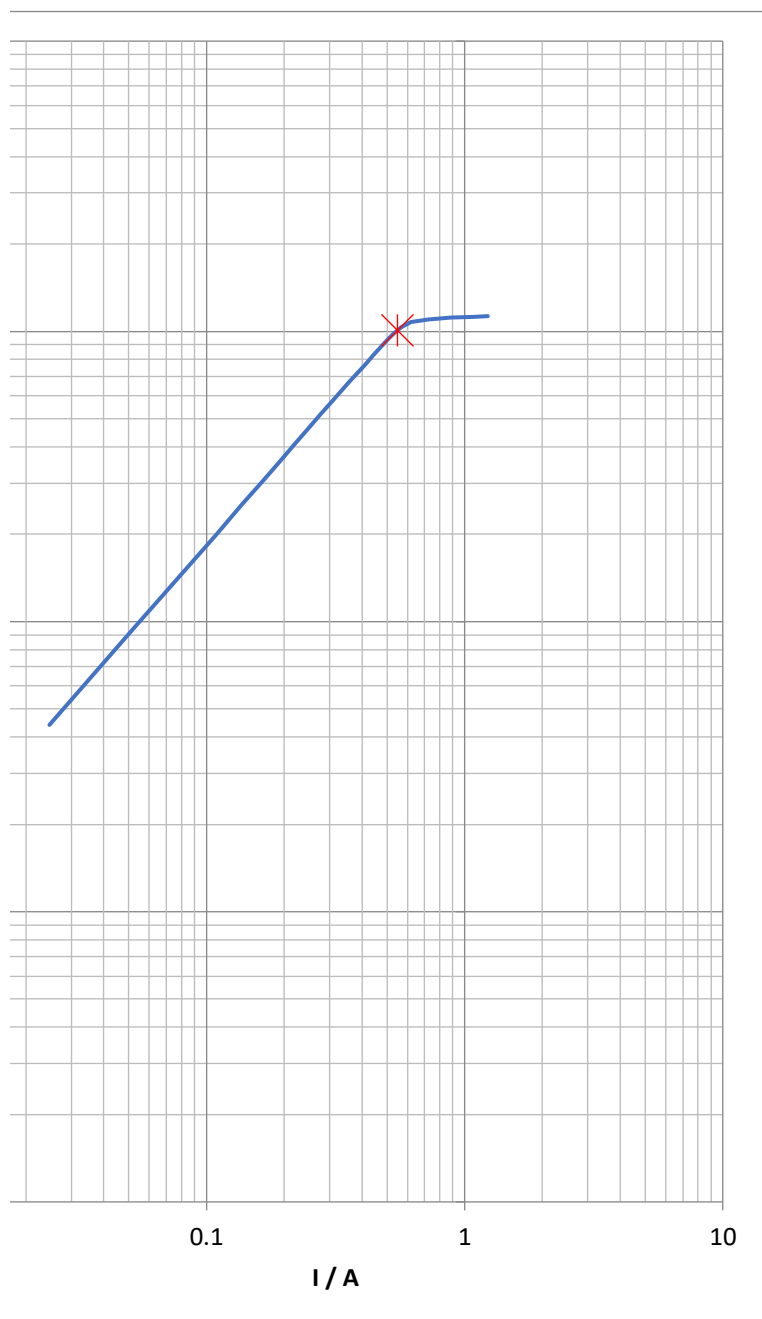
CTExcitation:	Excitation A-1
Date/Time:	6/9/2023 13:15
Overload:	NO
Assessment:	n/a
V max:	1300.0V
I max:	1.6A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
1129.11V	1.308941A
1123.71V	1.137067A
1114.74V	0.941417A
1099.63V	0.779759A
1074.4V	0.675634A
1031.69V	0.619138A
982.0V	0.58059A
931.01V	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



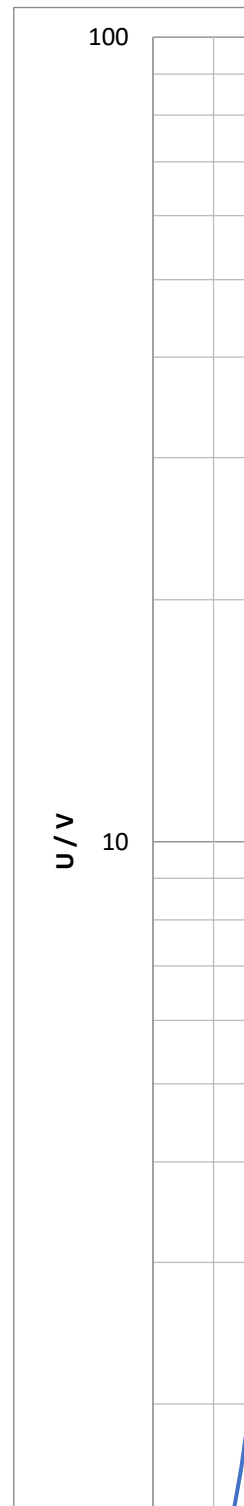


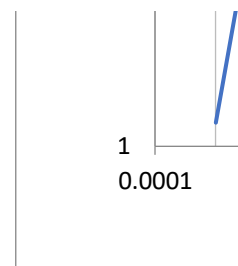
CTExcitation:	Excitation A-2
Date/Time:	6/9/2023 13:18
Overload:	NO
Assessment:	n/a
V max:	1300.0V
I max:	1.92308A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
1128.15V	1.229055A
1123.37V	1.069754A
1114.28V	0.879972A
1099.41V	0.721992A
1074.11V	0.620874A
1031.56V	0.567005A
982.08V	0.530944A
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

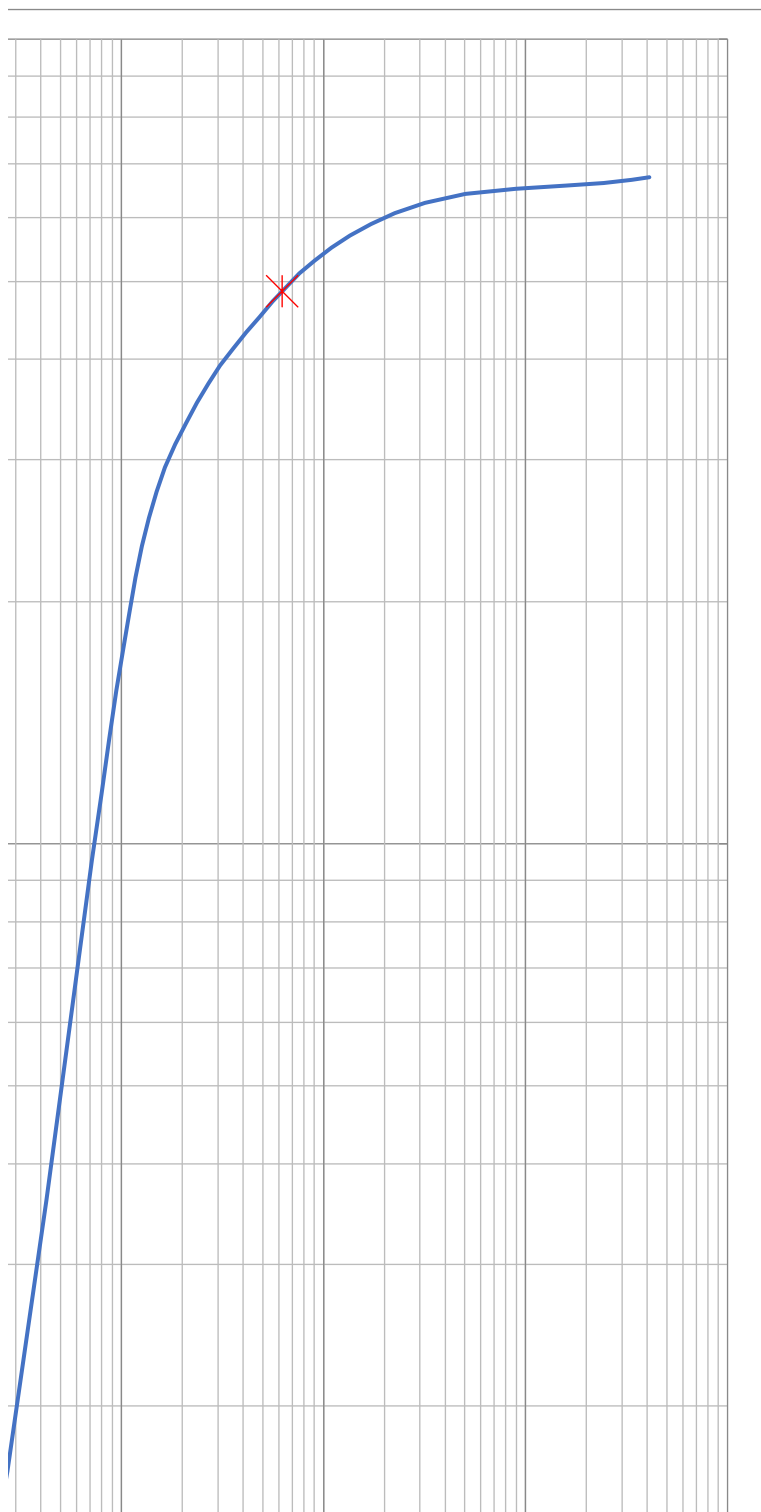


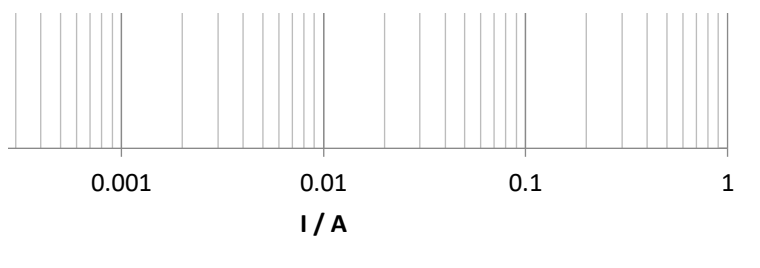


CTExcitation:	Excitation A-3
Date/Time:	6/9/2023 13:21
Overload:	NO
Assessment:	n/a
V max:	75.0V
I max:	1.6A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
67.35V	0.410263A
66.83V	0.33578A
66.28V	0.242939A
65.8V	0.158623A
65.2V	0.089716A
64.22V	0.050235A
62.63V	0.031866A
60.81V	0.022586A
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	0.001847A
29.37V	0.001645A
27.38V	0.001494A
25.4V	0.00137A
23.43V	0.001265A
21.43V	0.001173A
19.46V	0.001096A
17.48V	0.00102A
15.5V	0.000944A
13.51V	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

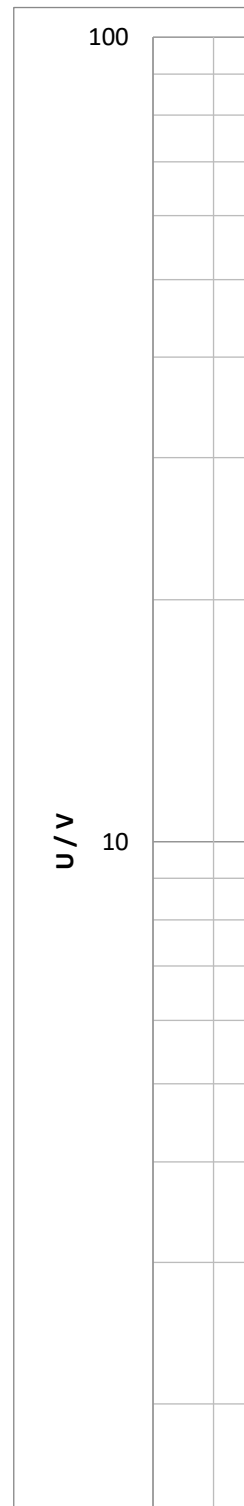


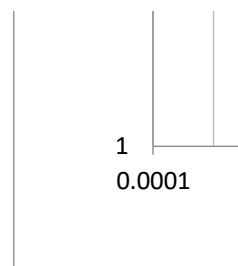


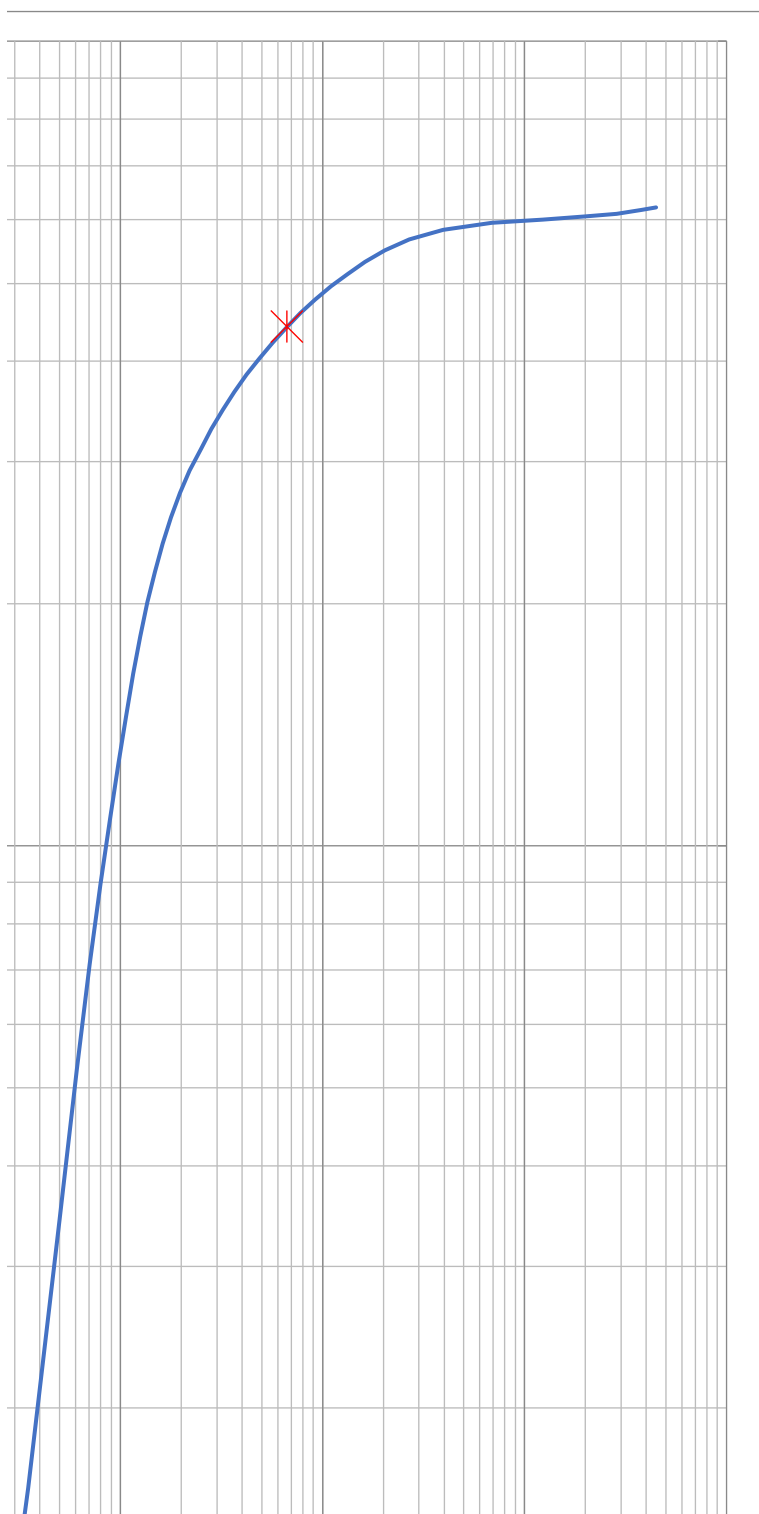


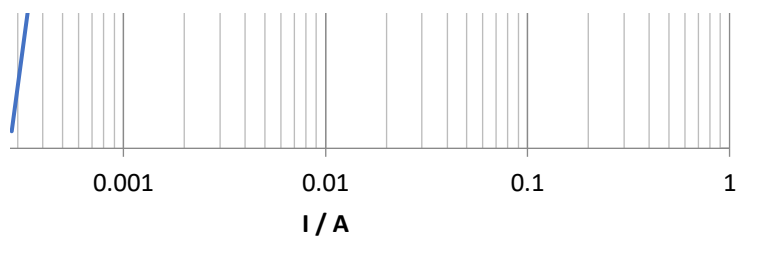


CTExcitation:	Excitation A-4
Date/Time:	6/9/2023 13:24
Overload:	NO
Assessment:	n/a
V max:	70.0V
I max:	1.6A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
62.13V	0.447967A
61.62V	0.37812A
61.01V	0.286228A
60.56V	0.200526A
60.03V	0.123427A
59.41V	0.068899A
58.29V	0.03965A
56.72V	0.026938A
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

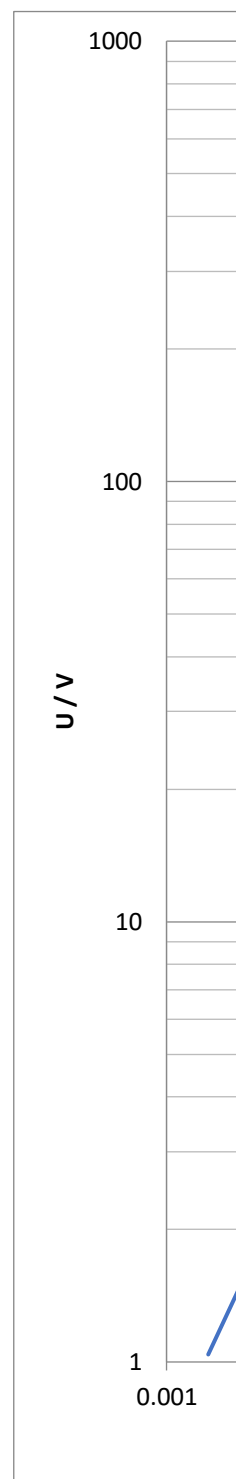


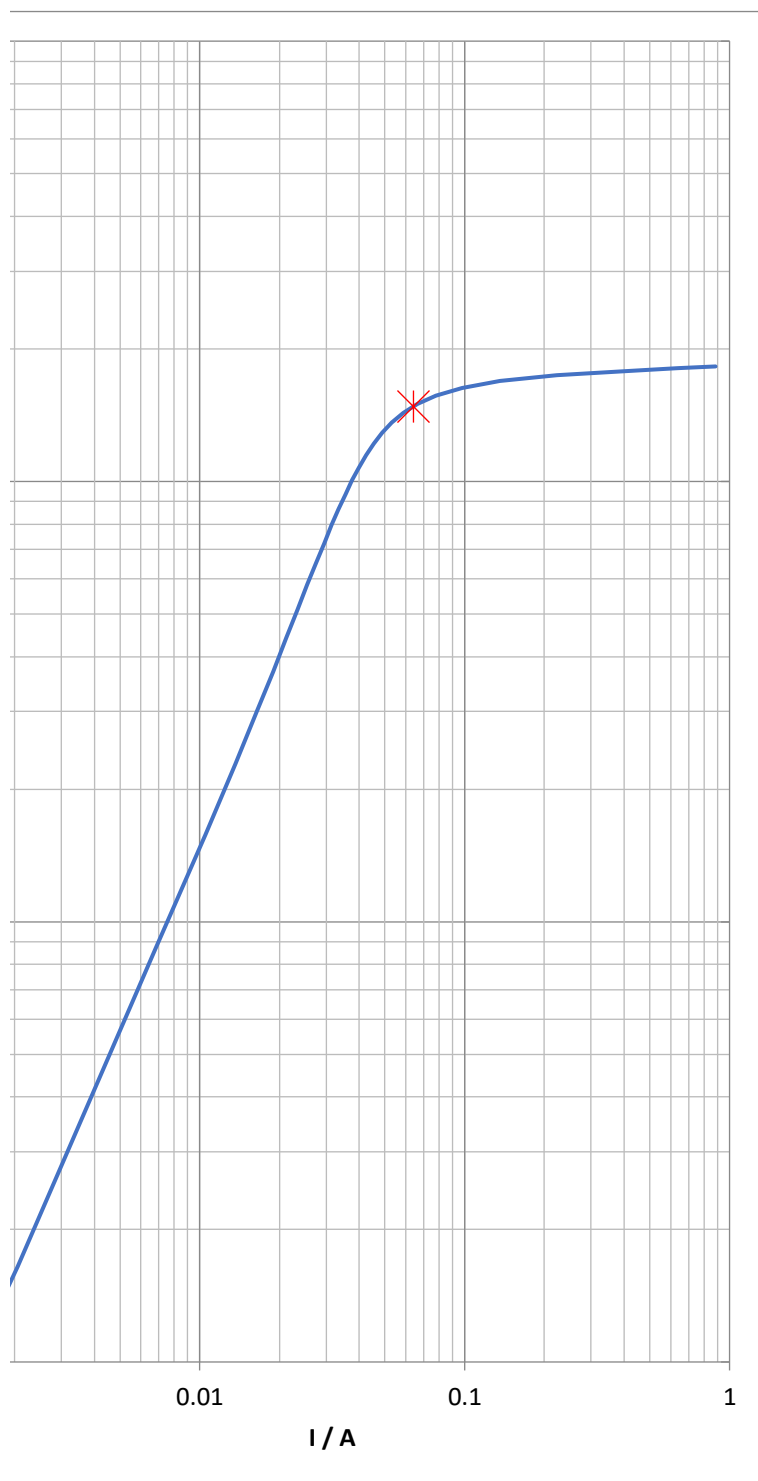






CTExcitation:	Excitation A-5
Date/Time:	6/9/2023 13:27
Overload:	NO
Assessment:	n/a
V max:	200.0V
I max:	2.0A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
182.46V	0.885192A
180.59V	0.639782A
177.85V	0.392724A
174.27V	0.223214A
169.21V	0.13606A
163.11V	0.097644A
156.54V	0.077996A
149.73V	0.066256A
142.83V	0.058514A
135.85V	0.052972A
128.84V	0.04877A
121.82V	0.045326A
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:
B1 Bushing CT S/N D200200306-20/1 1s1-1s2 1500:1 5VA Class: TPY 2s1-2s2 1500:1 5VA Class: TPY	

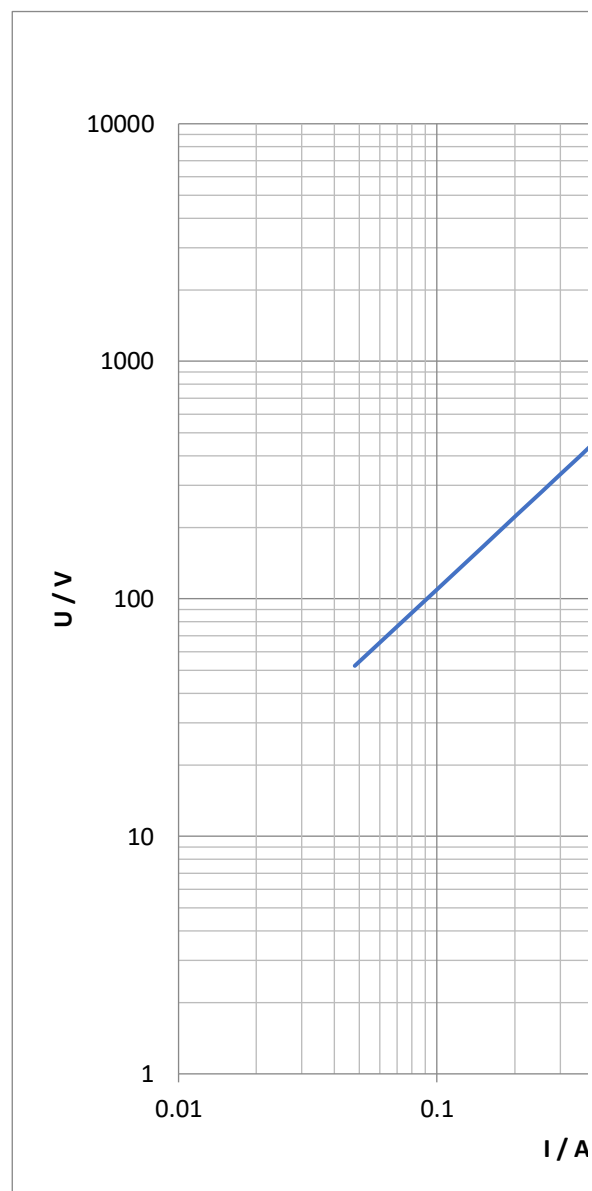
CTRatio:	Ratio B1-1		
Date/Time:	6/9/2023 12:39		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1500.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	300.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	299.87A	I prim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

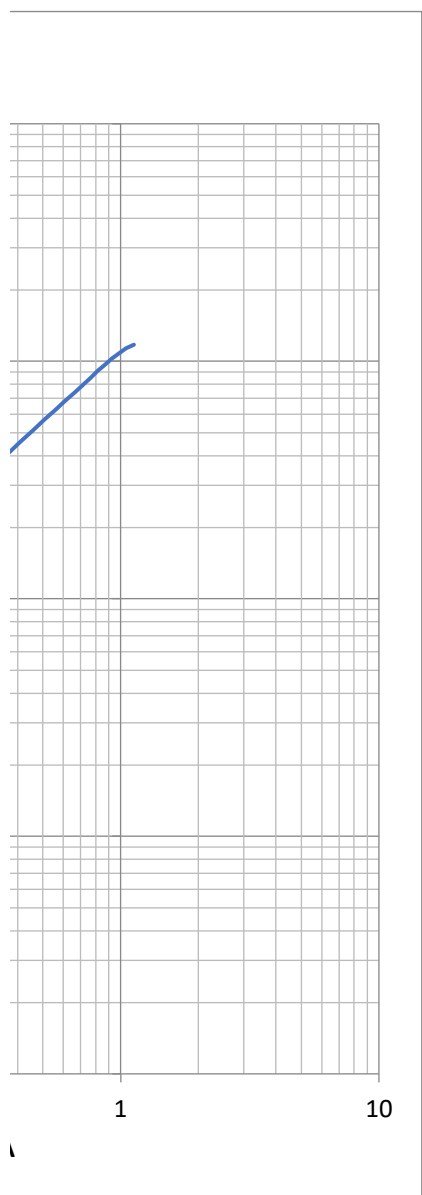
CTRatio:	Ratio B1-2		
Date/Time:	6/9/2023 12:40		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1500.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	300.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	299.88A	I prim 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:	0.0002 Ω
R max:	10.0 Ω
Results:	
I DC:	1.00001A
V DC:	2.930024V
R meas:	2.9299957 Ω
Deviation:	0.0%
Time:	29.0s
Temperature compensation:	
T meas.:	42.0°C
T ref.:	75.0°C
R ref.:	3.27905656 Ω

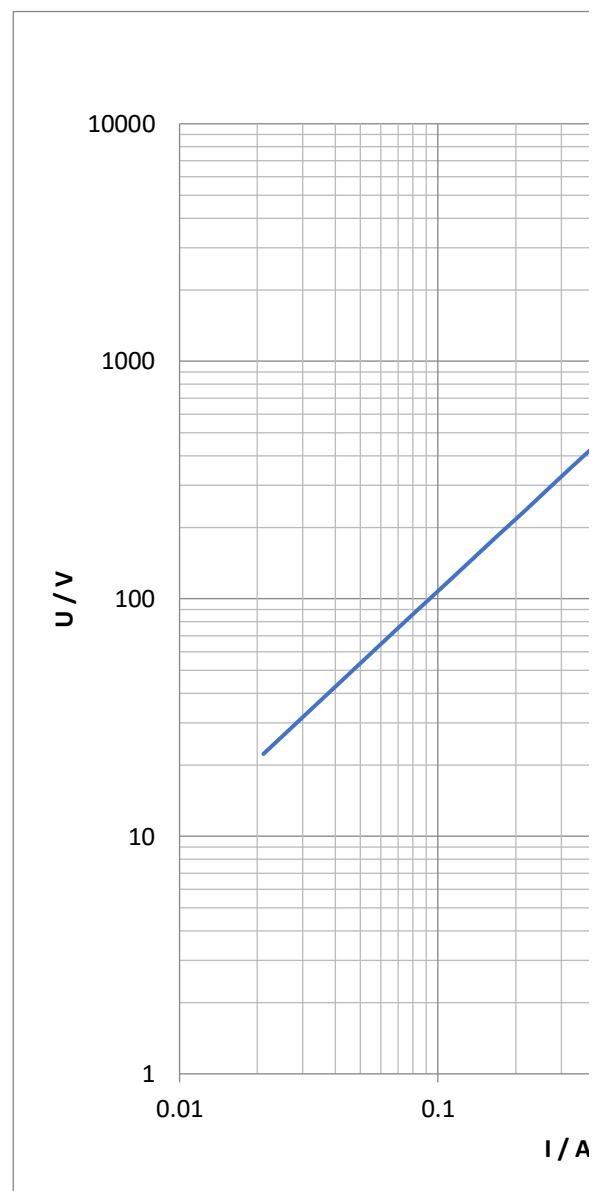
RWinding:	RWinding B1-2
Date/Time:	6/9/2023 13:02
Overload:	YES
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002Ω
R max:	10.0Ω
Results:	
I DC:	1.00006A
V DC:	2.94668V
R meas:	2.94650321Ω
Deviation:	0.01%
Time:	29.0s
Temperature compensation:	
T meas.:	42.0°C
T ref.:	75.0°C
R ref.:	3.29753067Ω

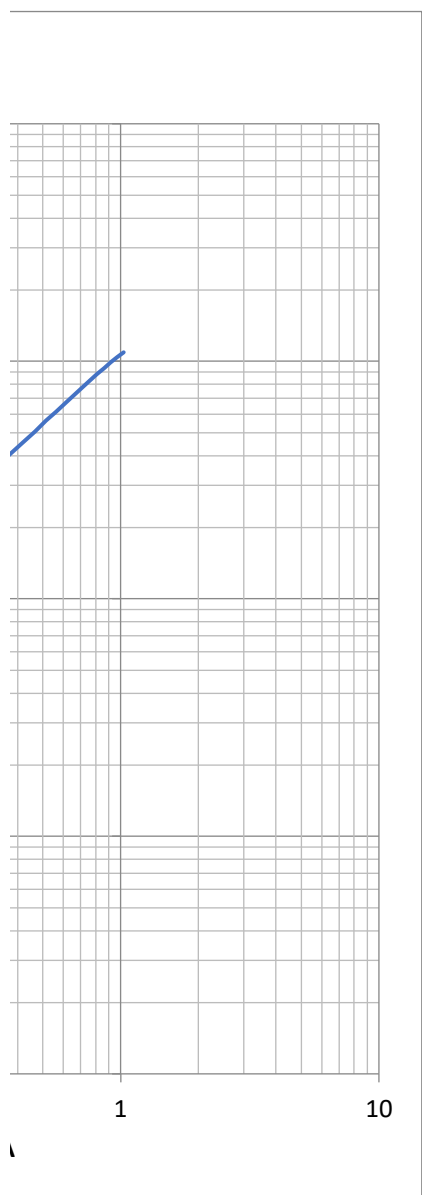
CTExcitation:	Excitation B1-1
Date/Time:	6/9/2023 13:30
Overload:	NO
Assessment:	n/a
V max:	1200.0V
I max:	2.0A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
1174.23V	1.125831A
1133.28V	1.049469A
1080.33V	0.984682A
1025.08V	0.926577A
968.87V	0.871643A
912.09V	0.818354A
855.23V	0.766038A
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
Kneepoint calculation:	IEC/BS
V knee:	0.0
I 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	

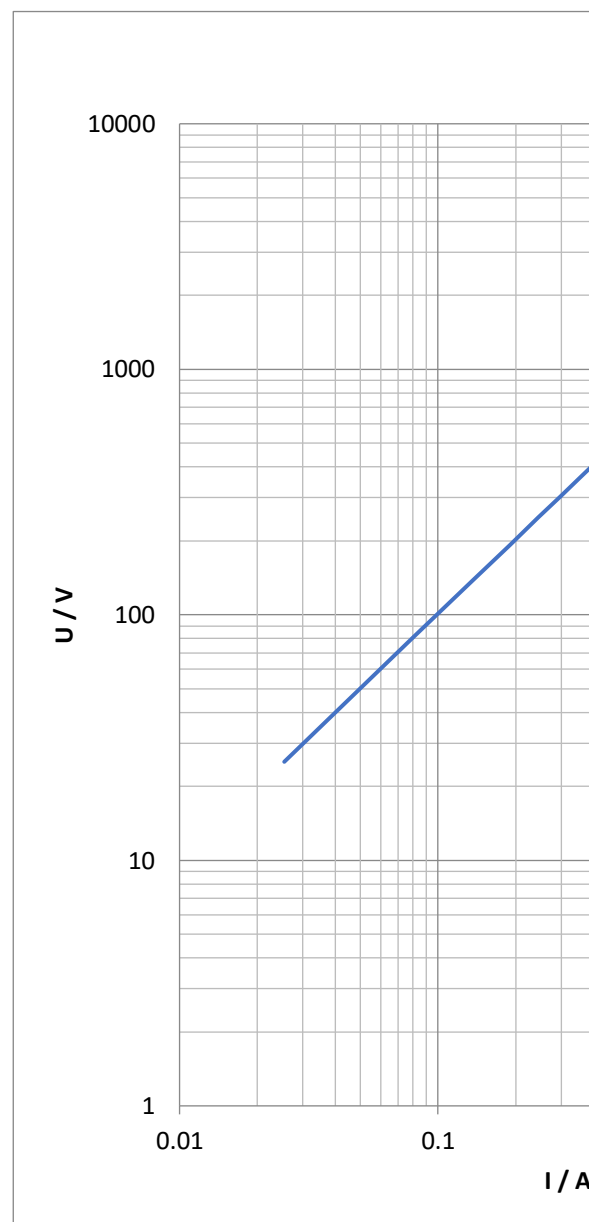
CTRatio:	Ratio B2-1		
Date/Time:	6/9/2023 12:32		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1500.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	300.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	299.78A	I prim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

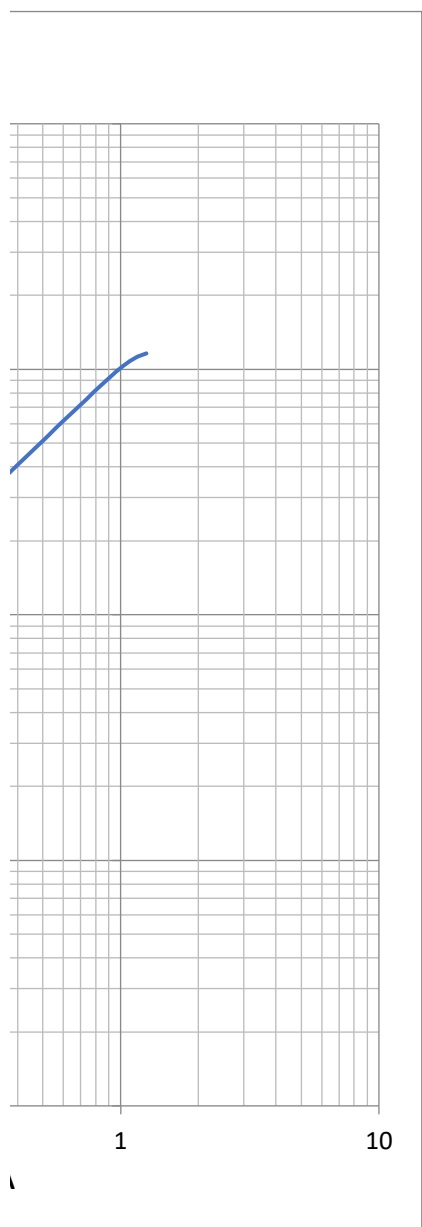
CTRatio:	Ratio B2-2		
Date/Time:	6/9/2023 12:34		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1500.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	300.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	299.73A	I prim 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:
2a Bushing CT S/N D200200306-50/2 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:			
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		
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		

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:	1500.0A:	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 compensation:	
T meas.:	33.0°C
T ref.:	75.0°C
R ref.:	3.50777574Ω

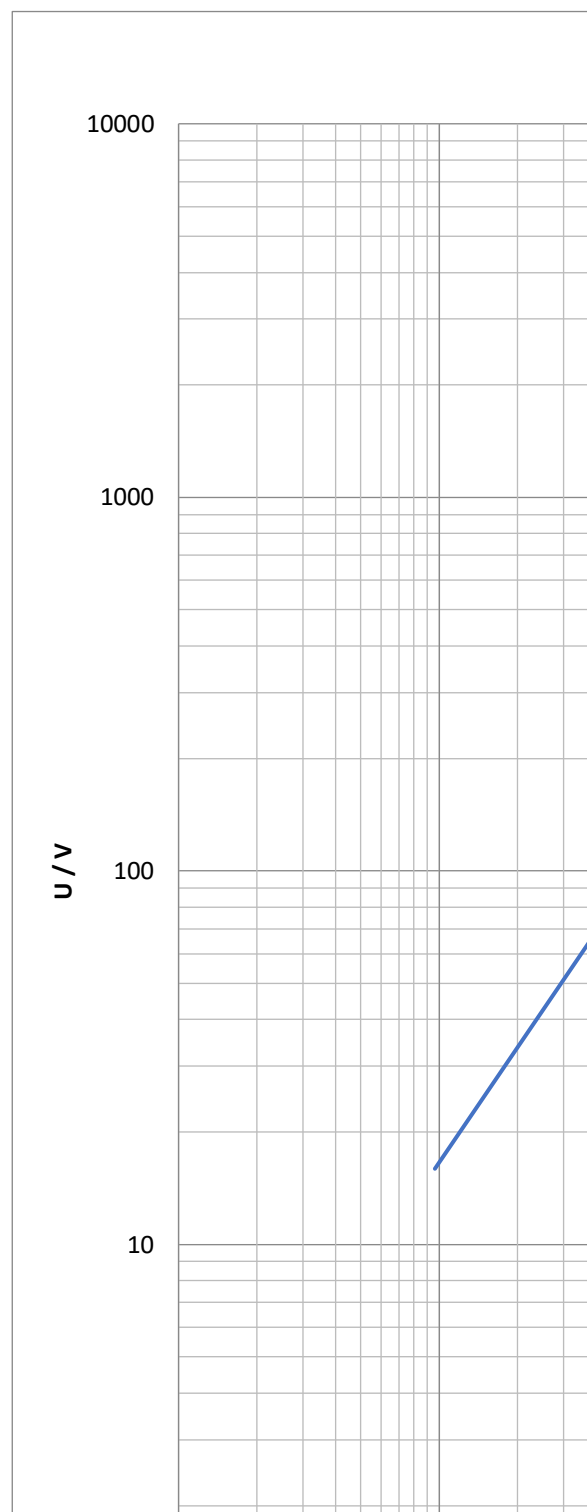
RWinding:	RWinding 2a-2
Date/Time:	6/13/2023 4:30
Overload:	YES
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002 Ω
R max:	10.0 Ω
Results:	
I DC:	1.00006A
V DC:	3.005945V
R meas:	3.00576465 Ω
Deviation:	0.03%
Time:	29.0s
Temperature compensation:	
T meas.:	33.0°C
T ref.:	75.0°C
R ref.:	3.47681732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

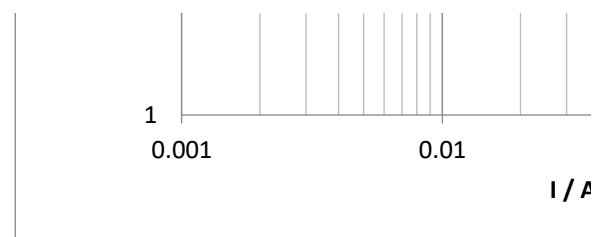
RWinding:	RWinding 2a-3
Date/Time:	6/13/2023 4:32
Overload:	NO
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002Ω
R max:	10.0Ω
Results:	
I DC:	0.93523A
V DC:	6.742434V
R meas:	7.209387Ω
Deviation:	0.01%
Time:	28.0s
Temperature compensation:	
T meas.:	33.0°C
T ref.:	75.0°C
R ref.:	8.33921631Ω

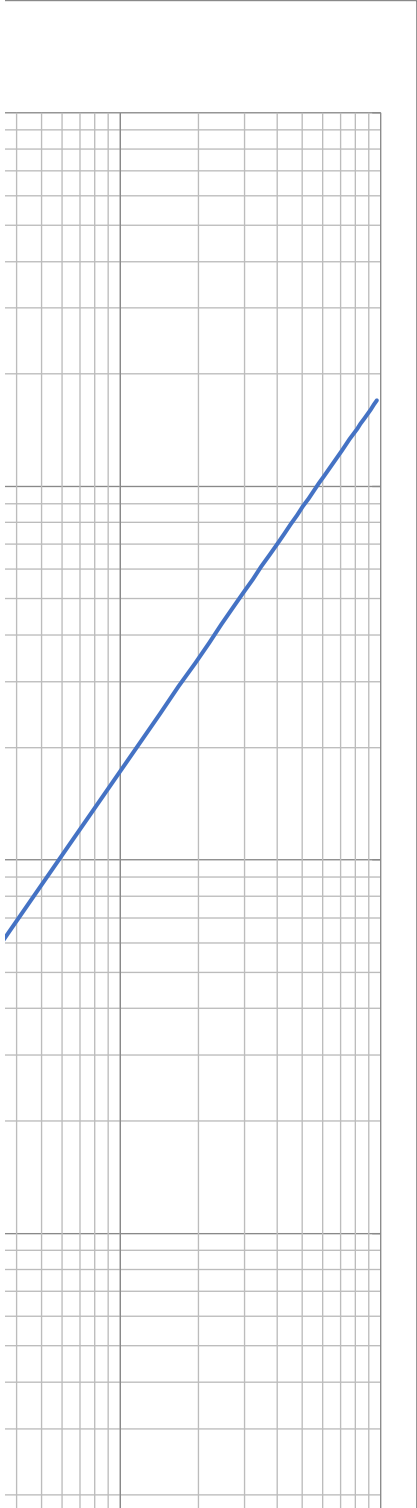
RWinding:	RWinding 2a-4
Date/Time:	6/13/2023 4:34
Overload:	NO
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002 Ω
R max:	10.0 Ω
Results:	
I DC:	0.93882A
V DC:	6.692533V
R meas:	7.12866684 Ω
Deviation:	0.0%
Time:	47.0s
Temperature compensation:	
T meas.:	33.0°C
T ref.:	75.0°C
R ref.:	8.24584597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

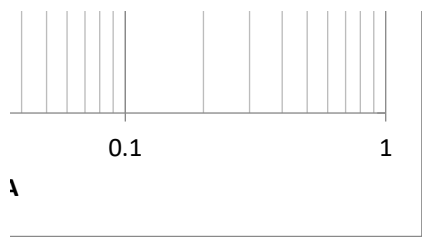
RWinding:	RWinding 2a-5
Date/Time:	6/13/2023 4:36
Overload:	YES
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002Ω
R max:	10.0Ω
Results:	
I DC:	1.00001A
V DC:	1.74234V
R meas:	1.74232258Ω
Deviation:	0.01%
Time:	27.0s
Temperature compensation:	
T meas.:	33.0°C
T ref.:	75.0°C
R ref.:	2.01537313Ω

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
Automatic:	YES
V	I
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

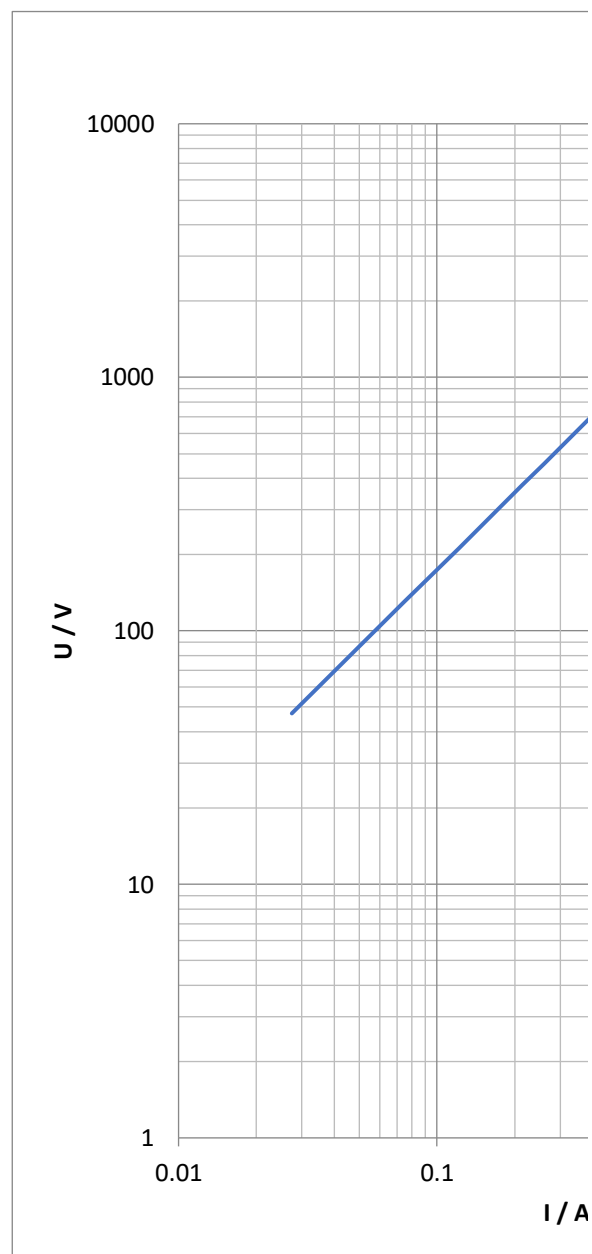


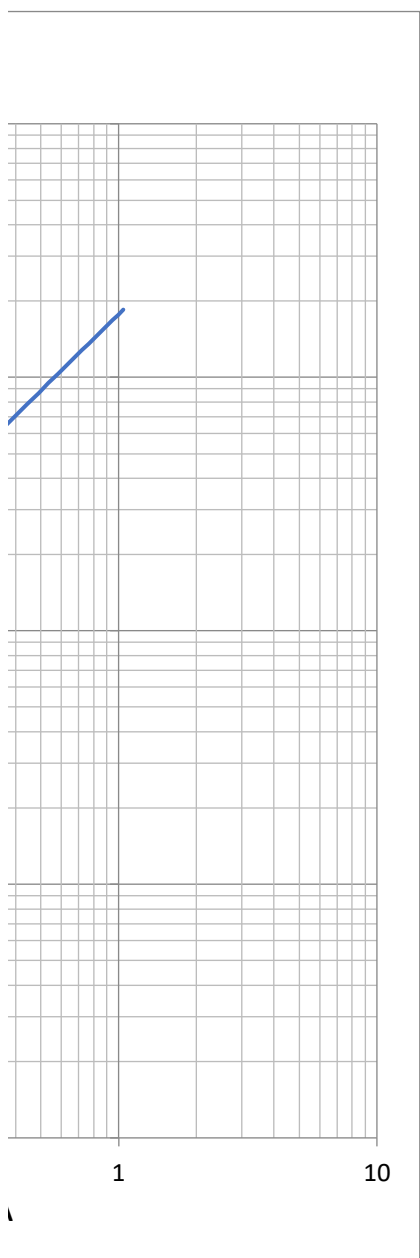




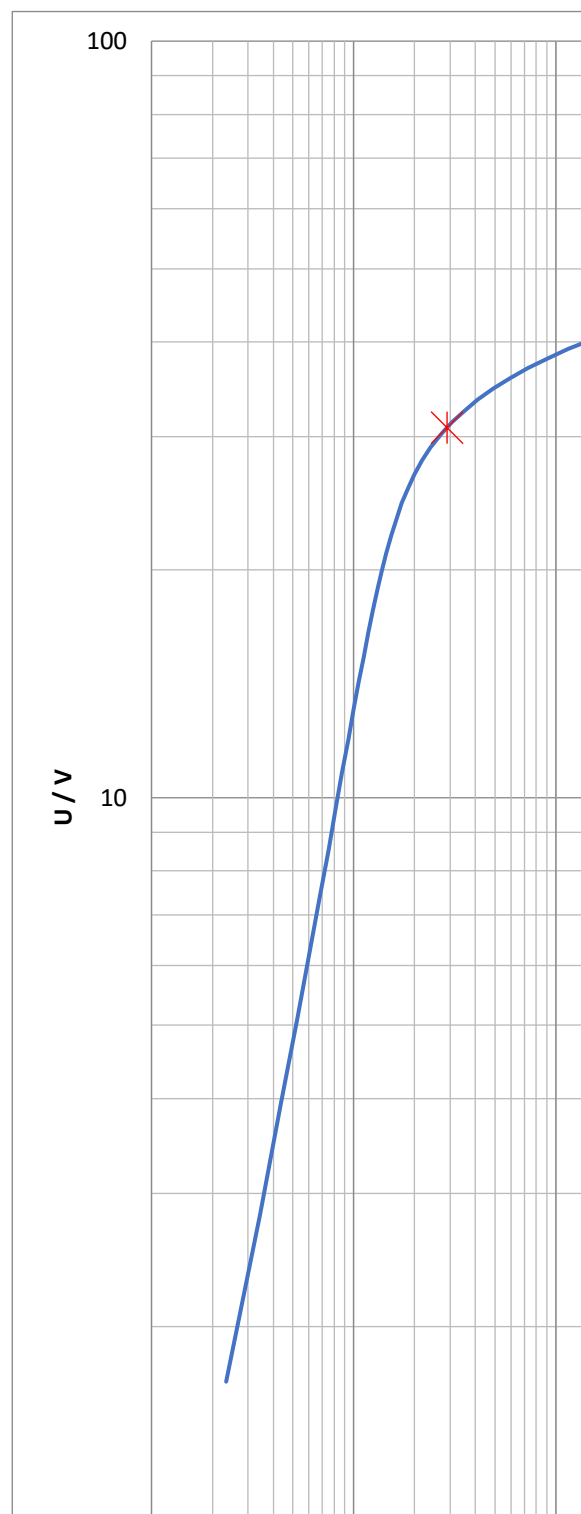


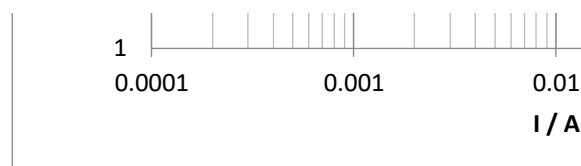
CTExcitation:	Excitation 2a-2
Date/Time:	6/13/2023 4:47
Overload:	NO
Assessment:	n/a
V max:	1850.0V
I max:	1.35135A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
1848.79V	1.042822A
1765.92V	0.995794A
1684.41V	0.9493A
1603.65V	0.903398A
1520.57V	0.8572A
1439.59V	0.811269A
1357.74V	0.765515A
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



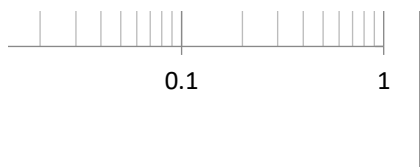


CTExcitation:	Excitation 2a-3
Date/Time:	6/13/2023 4:53
Overload:	NO
Assessment:	n/a
V max:	50.0V
I max:	1.6A
Frequency:	50.0Hz
Noise suppression:	YES
Automatic:	YES
V	I
41.32V	0.018416A
40.27V	0.014876A
39.18V	0.011499A
38.08V	0.009071A
36.95V	0.007275A
35.83V	0.005923A
34.7V	0.004896A
33.58V	0.004112A
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

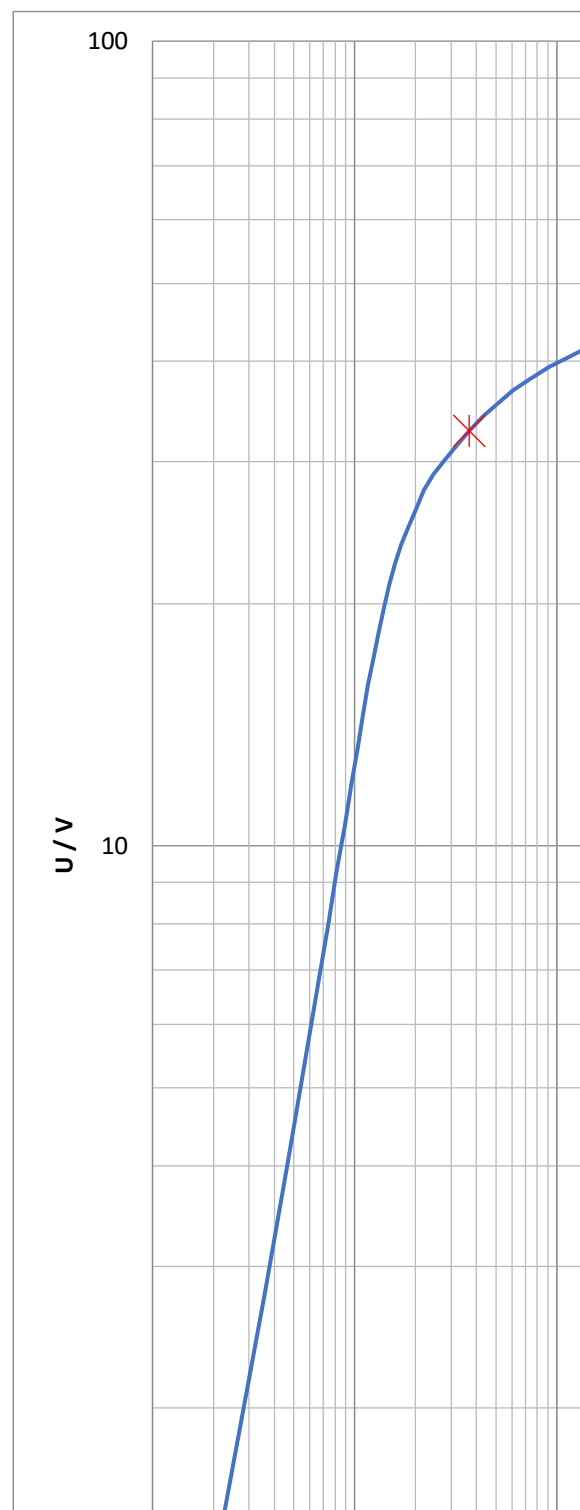


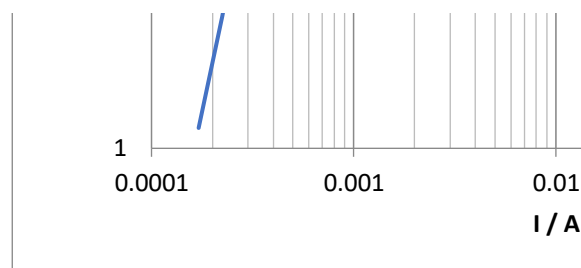


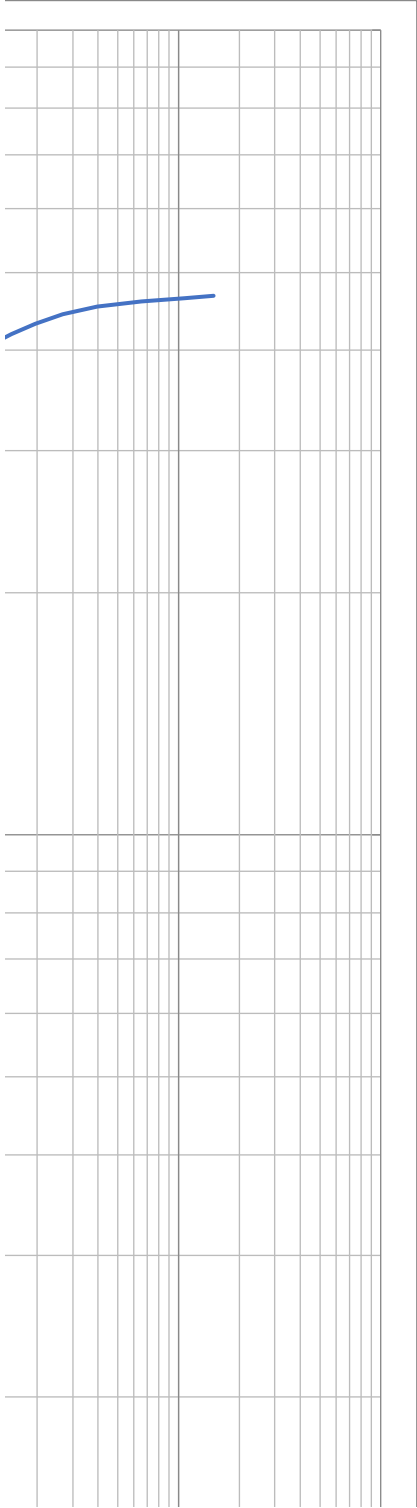
[illegible]

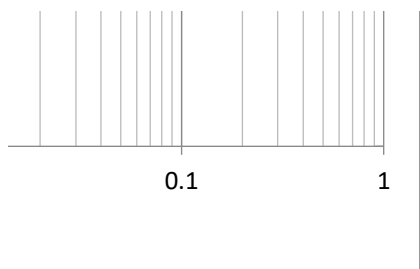


CTExcitation:	Excitation 2a-4
Date/Time:	6/13/2023 4:56
Overload:	NO
Assessment:	n/a
V max:	50.0V
I max:	1.2A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
46.75V	0.149126A
46.44V	0.106606A
46.03V	0.065719A
45.37V	0.039632A
44.33V	0.026702A
43.15V	0.019555A
41.89V	0.014977A
40.63V	0.011696A
39.35V	0.009172A
38.05V	0.007376A
36.77V	0.006062A
35.46V	0.005118A
34.16V	0.004314A
32.85V	0.003712A
31.55V	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
Kneepoint calculation:	IEC/BS
V knee:	32.75V
I knee:	0.003671A

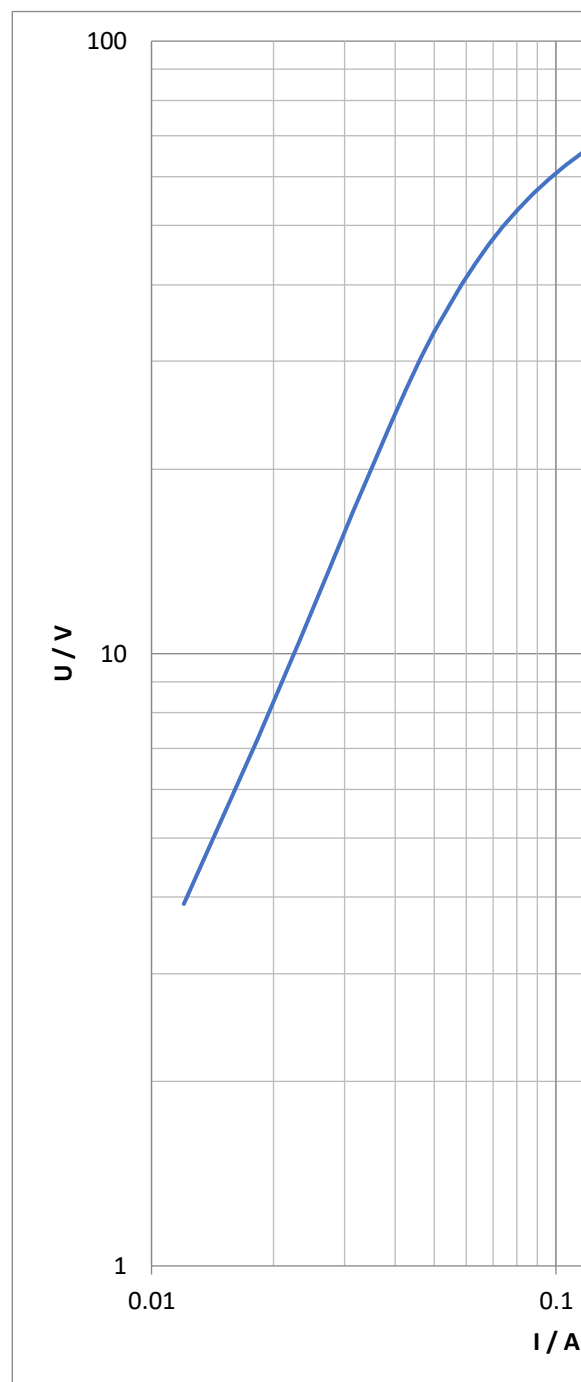


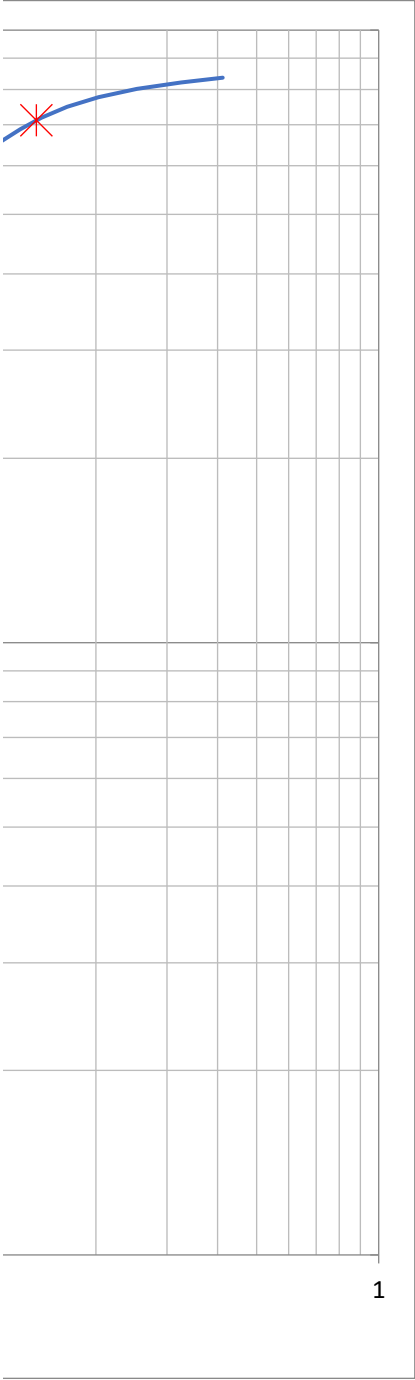






CTExcitation:	Excitation 2a-5
Date/Time:	6/13/2023 4:59
Overload:	NO
Assessment:	n/a
V max:	90.0V
I max:	1.6A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
83.63V	0.411422A
82.2V	0.324491A
80.21V	0.252212A
77.73V	0.202903A
74.94V	0.169838A
71.99V	0.146876A
68.91V	0.12981A
65.79V	0.116484A
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
V knee:	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:	1000.0A:	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		

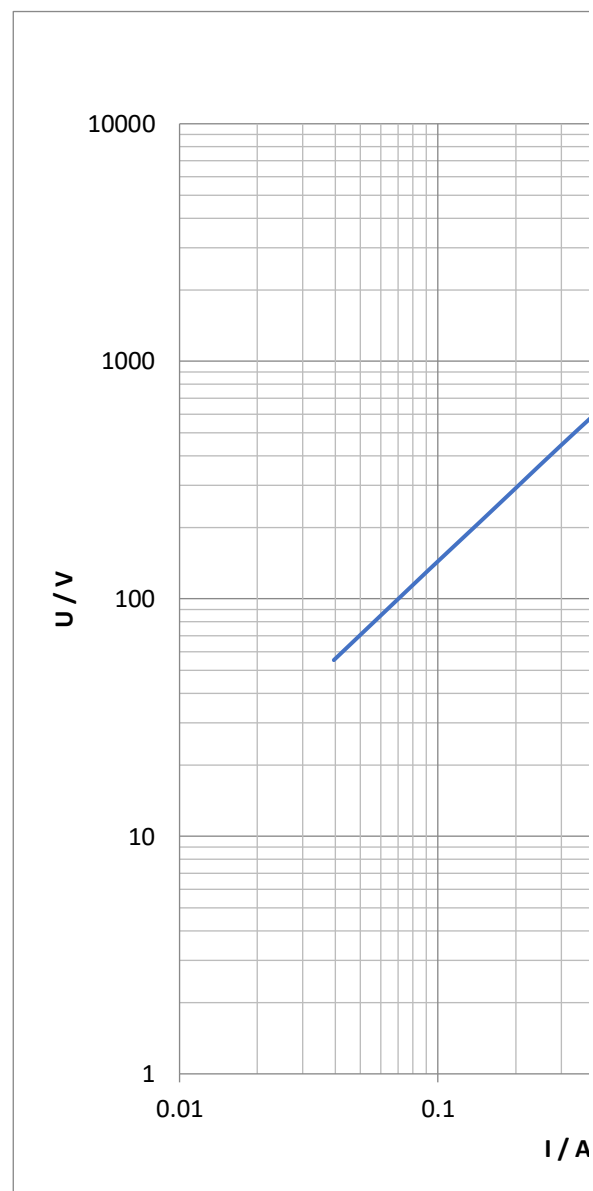
RWinding:	RWinding 3a-1
Date/Time:	6/9/2023 9:57
Overload:	NO
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002 Ω
R max:	10.0 Ω
Results:	
I DC:	1.00004A
V DC:	2.820938V
R meas:	2.82082717 Ω
Deviation:	0.01%
Time:	29.0s
Temperature compensation:	
T meas.:	42.0°C
T ref.:	75.0°C
R ref.:	3.15688239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

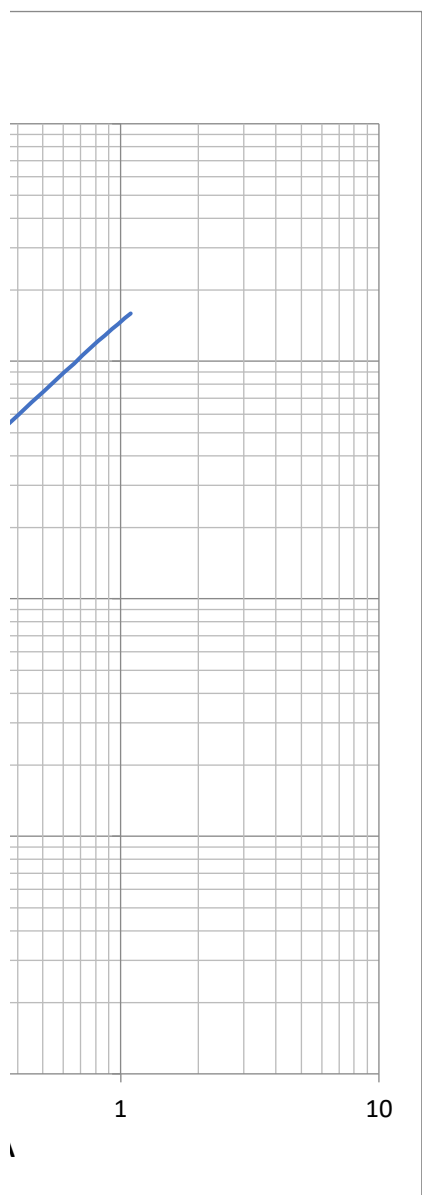
RWinding:	RWinding 3a-2
Date/Time:	6/9/2023 9:59
Overload:	YES
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002Ω
R max:	10.0Ω
Results:	
I DC:	1.00002A
V DC:	2.829978V
R meas:	2.8299234Ω
Deviation:	0.01%
Time:	29.0s
Temperature compensation:	
T meas.:	42.0°C
T ref.:	75.0°C
R ref.:	3.16706229Ω

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

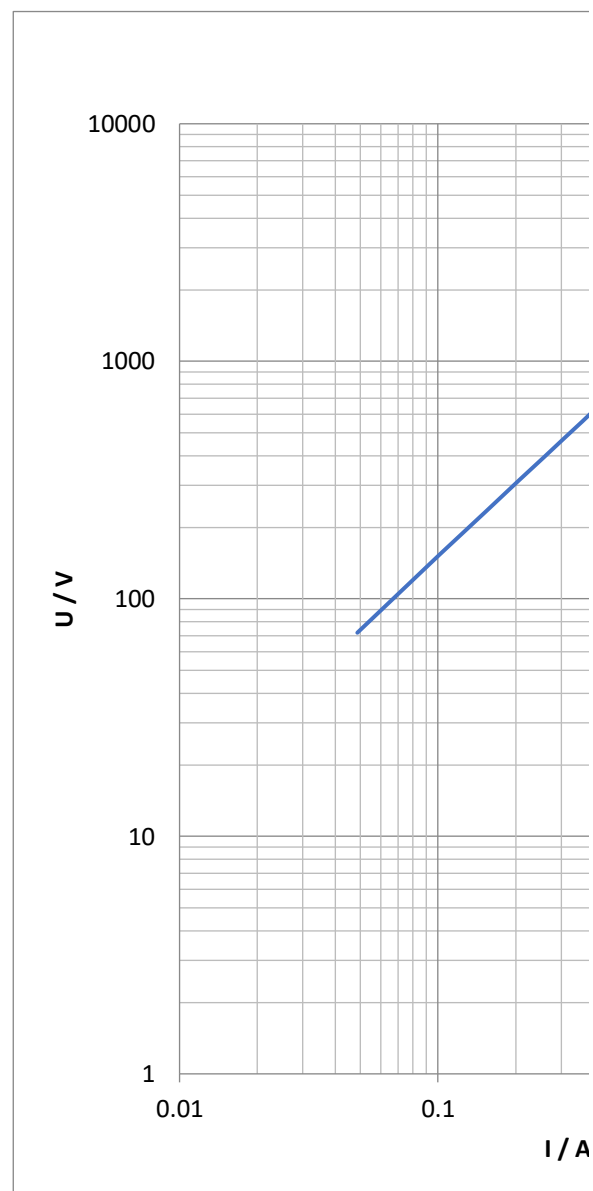
RWinding:	RWinding 3a-4
Date/Time:	6/9/2023 10:02
Overload:	NO
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002Ω
R max:	10.0Ω
Results:	
I DC:	1.00002A
V DC:	1.36047V
R meas:	1.36044279Ω
Deviation:	0.03%
Time:	28.0s
Temperature compensation:	
T meas.:	42.0°C
T ref.:	75.0°C
R ref.:	1.5225172Ω

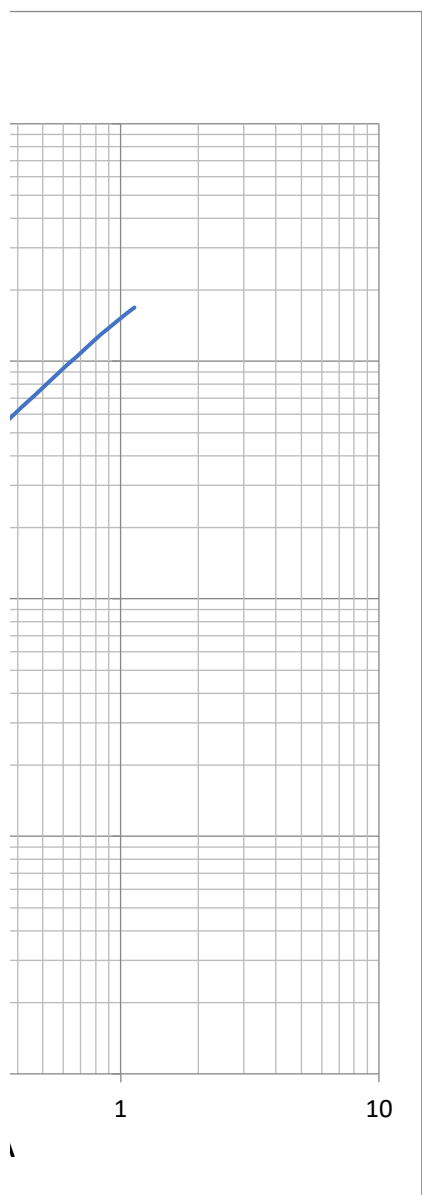
CTExcitation:	Excitation 3a-1
Date/Time:	6/9/2023 10:51
Overload:	NO
Assessment:	n/a
V max:	1600.0V
I max:	1.38889A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
1589.68V	1.094335A
1515.3V	1.035798A
1439.8V	0.978967A
1363.36V	0.923732A
1287.2V	0.869726A
1210.99V	0.816684A
1134.08V	0.763986A
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



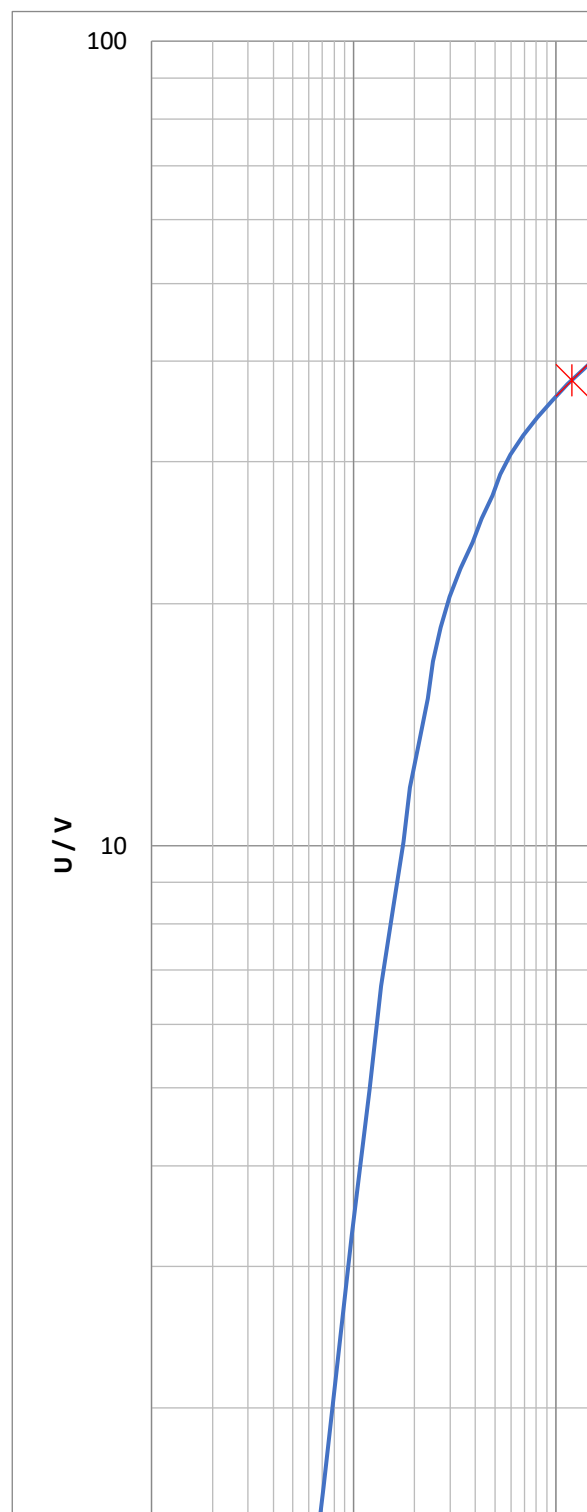


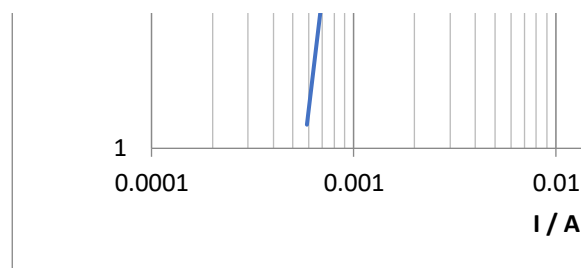
CTExcitation:	Excitation 3a-2
Date/Time:	6/9/2023 10:56
Overload:	NO
Assessment:	n/a
V max:	1700.0V
I max:	1.47059A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
1684.65V	1.131255A
1607.67V	1.066718A
1528.71V	1.005376A
1448.83V	0.94653A
1369.1V	0.890273A
1288.74V	0.835032A
1208.25V	0.780894A
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

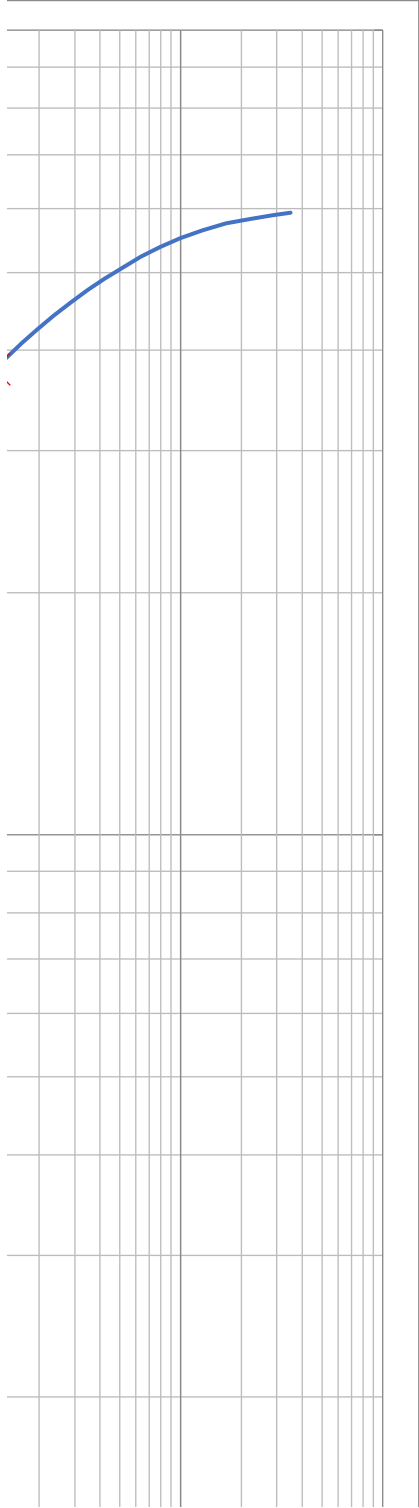


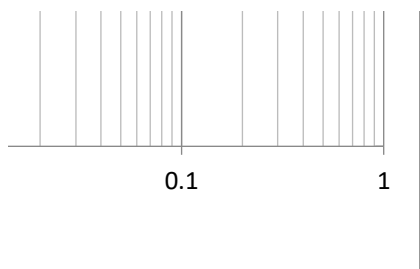


CTExcitation:	Excitation 3a-3
Date/Time:	6/9/2023 11:02
Overload:	NO
Assessment:	n/a
V max:	65.0V
I max:	2.0A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
59.3V	0.350323A
58.89V	0.289778A
58.32V	0.223834A
57.49V	0.168376A
56.41V	0.128322A
55.14V	0.099976A
53.75V	0.079413A
52.26V	0.063879A
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
1.07V	0.000587A
Kneepoint calculation:	IEC/BS
V knee:	37.91V
I knee:	0.012002A

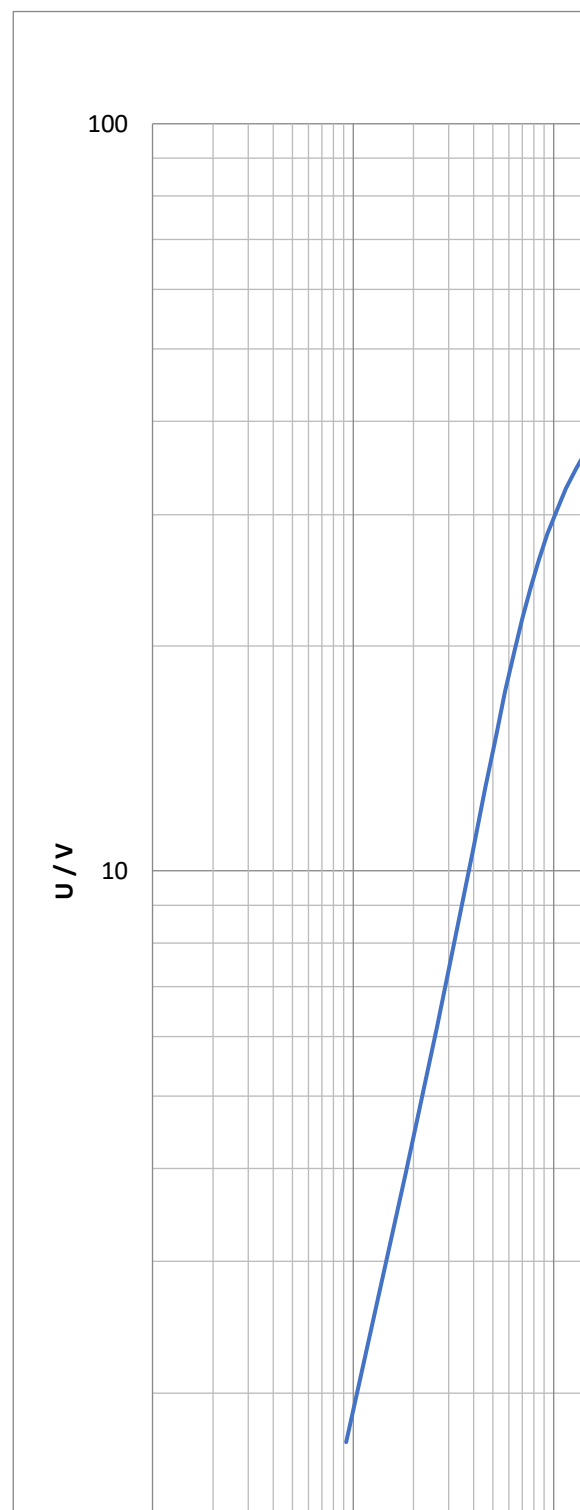


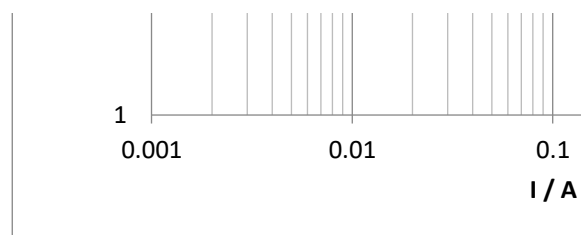


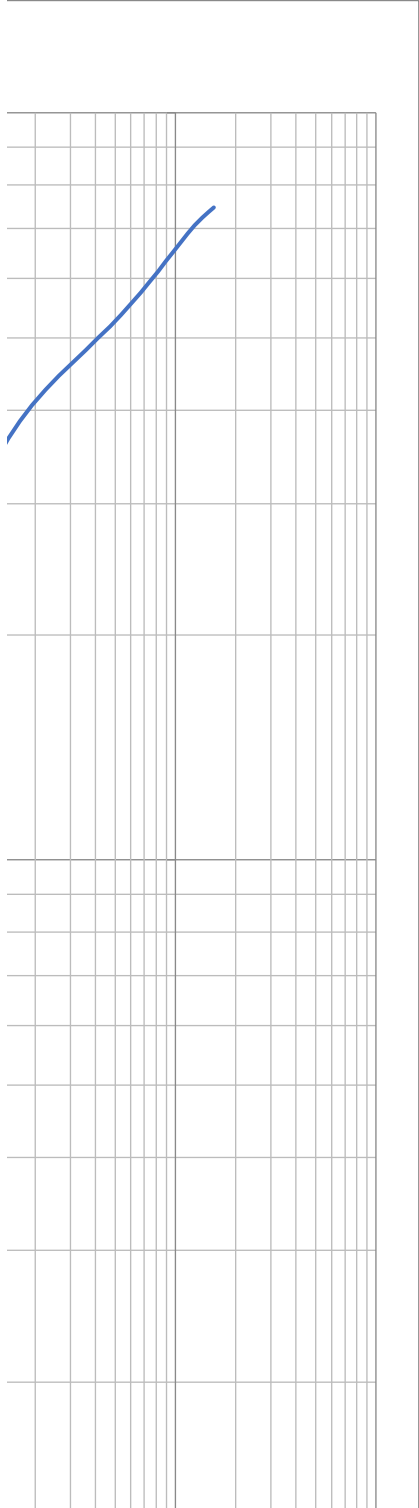


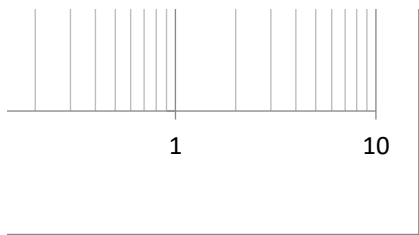


CTExcitation:	Excitation 3a-4
Date/Time:	6/9/2023 11:05
Overload:	NO
Assessment:	n/a
V max:	85.0V
I max:	2.0A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
74.69V	1.554631A
73.77V	1.469528A
72.34V	1.358746A
70.74V	1.25205A
68.93V	1.153058A
67.1V	1.062178A
65.15V	0.976016A
63.26V	0.895698A
61.32V	0.81771A
59.36V	0.742766A
57.48V	0.671204A
55.55V	0.601109A
53.63V	0.534232A
51.8V	0.471479A
49.95V	0.411832A
48.08V	0.356639A
46.27V	0.306825A
44.47V	0.262804A
42.59V	0.224474A
40.64V	0.192636A
38.64V	0.1672A
36.62V	0.146601A
34.57V	0.129725A
32.5V	0.115617A
30.4V	0.103597A
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	0.018381A
1.72V	0.009243A
Kneepoint calculation:	IEC/BS
V knee:	0.0
I knee:	0.0









Comment:	3b Bushing
Date/Time:	6/7/23 11:27
Fieldname:	Fieldvalue:
3b Bushing CT S/N D200200306-40/1 1s1-1s2 1000:1 5VA Class: TPY 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:	1000.0A:	0.9992A	-0.08%
Polarity:	OK		
measured with Burden:	NO		

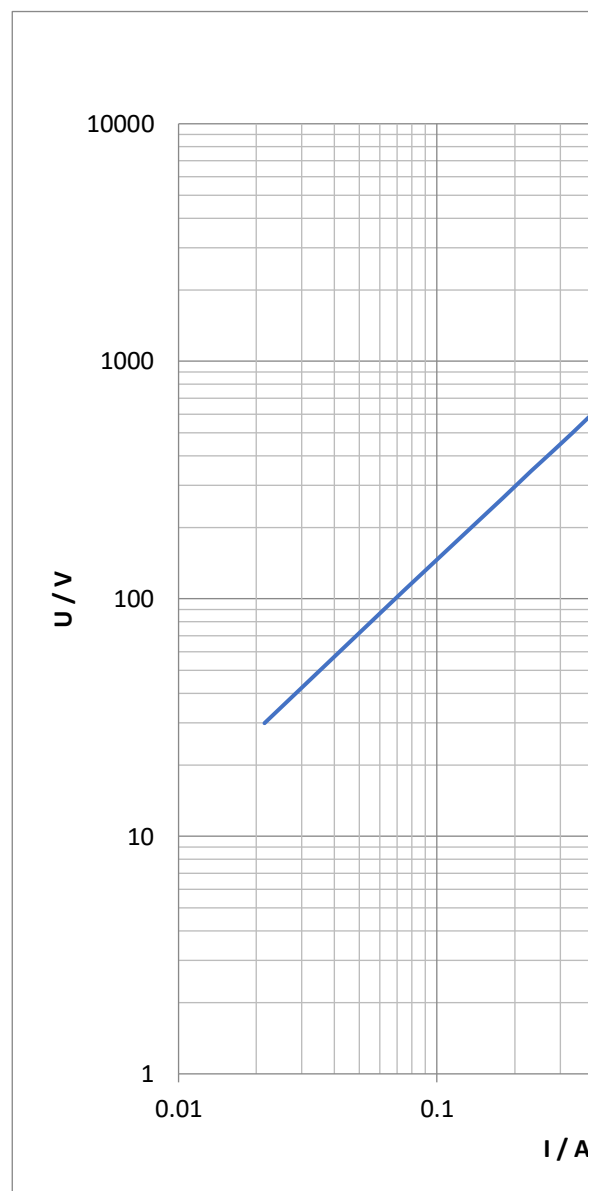
CTRatio:	Ratio 3b-3		
Date/Time:	6/9/2023 9:51		
Overload:	NO		
Assessment:	n/a		
Range:	AC 800A		
Nominal values:			
I prim.:	1000.0A		
I sec.:	1.0A		
Frequency:	50.0Hz		
I test:	200.0A		
Automatic:	YES		
I sec. Manual	NO		
I sec. measured with current clamp	NO		
Results:			
I prim.:	199.94A	I prim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

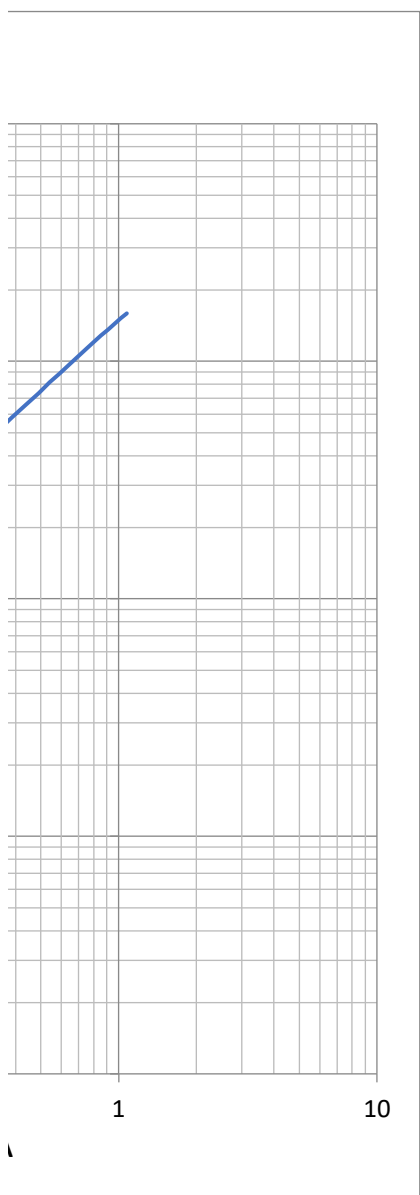
RWinding:	RWinding 3b-1
Date/Time:	6/9/2023 10:06
Overload:	YES
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002 Ω
R max:	10.0 Ω
Results:	
I DC:	0.99958A
V DC:	2.754486V
R meas:	2.75564237 Ω
Deviation:	0.08%
Time:	148.0s
Temperature compensation:	
T meas.:	42.0°C
T ref.:	75.0°C
R ref.:	3.08393189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

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:	0.0002 Ω
R max:	10.0 Ω
Results:	
I DC:	0.99993A
V DC:	2.83904V
R meas:	2.83923875 Ω
Deviation:	0.05%
Time:	115.0s
Temperature compensation:	
T meas.:	42.0°C
T ref.:	75.0°C
R ref.:	3.17748741 Ω

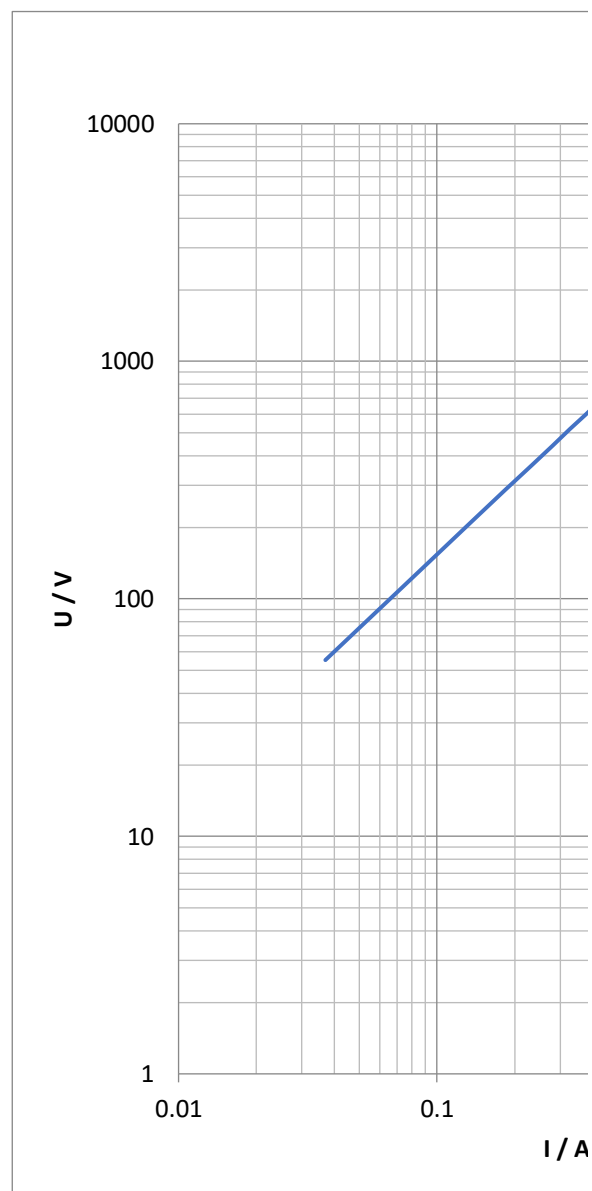
RWinding:	RWinding 3b-3
Date/Time:	6/9/2023 10:11
Overload:	YES
Assessment:	n/a
Range:	DC 6A
I Test:	1.0A
R min:	0.0002 Ω
R max:	10.0 Ω
Results:	
I DC:	1.05731A
V DC:	4.610259V
R meas:	4.36036735 Ω
Deviation:	0.01%
Time:	27.0s
Temperature compensation:	
T meas.:	42.0°C
T ref.:	75.0°C
R ref.:	4.8798335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

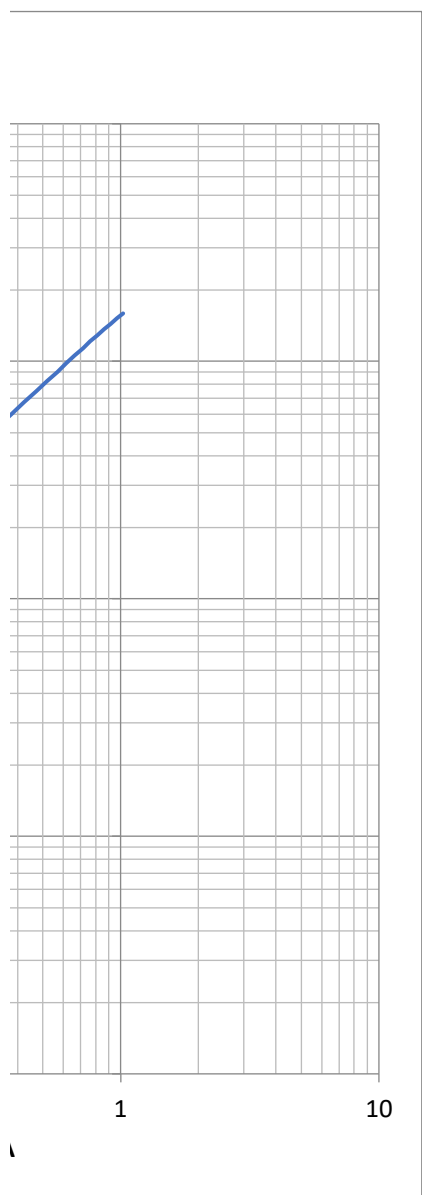
CTExcitation:	Excitation 3b-1
Date/Time:	6/9/2023 10:35
Overload:	NO
Assessment:	n/a
V max:	1600.0V
I max:	1.38889A
Frequency:	50.0Hz
Noise suppression:	NO
Automatic:	YES
V	I
1590.94V	1.076031A
1515.02V	1.018141A
1437.69V	0.962027A
1360.51V	0.907859A
1282.98V	0.85454A
1204.99V	0.801825A
1126.9V	0.749404A
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
Automatic:	YES
V	I
58.91V	0.385062A
58.49V	0.320235A
57.94V	0.249136A
57.22V	0.188676A
56.22V	0.142614A
55.01V	0.11033A
53.66V	0.087253A
52.22V	0.070225A
50.67V	0.057211A
49.09V	0.047095A
47.48V	0.039031A
45.84V	0.032545A
44.19V	0.027168A
42.49V	0.022694A
40.81V	0.018925A
39.12V	0.015879A
37.43V	0.01311A
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

