

Advanced Test Equipment Rentals www.atecorp.com 800-404-ATEC (2832)

Power anomalies standard pulse list for netwave.control 5.5 and icd.control 5.2

∧ emtest ∧METEK

Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
IEC	AC	50Hz / 60Hz	5	Continuous Field	•		MC26100 or MC2630 required
61000-4-8			5	Short duration: 1 s to 3 s	•		MC26100 or MC2630 required
Ed. 2							
(2009-09)							
IEC	AC	50Hz / 60Hz	5.1	Voltage dips (0°)	•		
61000-4-11			5.1	Voltage dips (45°, Pre-Compliance)	•		We not fullfil the required voltage rise and fall time between 1us and 5us
Ed. 2			5.1	Voltage dips (90°, Pre-Compliance)	•		We not fullfil the required voltage rise and fall time between 1us and 5us
(2004-03)			5.1	Voltage dips (135°, Pre-Compliance)	•		We not fullfil the required voltage rise and fall time between 1us and 5us
			5.1	Voltage dips (180°)	•		
			5.1	Voltage dips (225°, Pre-Compliance)	•		We not fullfil the required voltage rise and fall time between 1us and 5us
			5.1	Voltage dips (270°, Pre-Compliance)	•		We not fullfil the required voltage rise and fall time between 1us and 5us
			5.1	Voltage dips (315°, Pre-Compliance)	•		We not fullfil the required voltage rise and fall time between 1us and 5us
			5.1	Short interruptions	•		
			5.2	Voltage variations	•		
	AC 3 Phase	50Hz / 60 Hz	5.1	Voltage dips (0°)	• ¹⁾		
			5.1	Voltage dips (45°, Pre-Compliance)	• ¹⁾		We not fullfil the required voltage rise and fall time between 1us and 5us
			5.1	Voltage dips (90°, Pre-Compliance)	• ¹⁾		We not fullfil the required voltage rise and fall time between 1us and 5us
			5.1	Voltage dips (135°, Pre-Compliance)	• ¹⁾		We not fullfil the required voltage rise and fall time between 1us and 5us
			5.1	Voltage dips (180°)	• ¹⁾		
			5.1	Voltage dips (225°, Pre-Compliance)	• ¹⁾		We not fullfil the required voltage rise and fall time between 1us and 5us
			5.1	Voltage dips (270°, Pre-Compliance)	• ¹⁾		We not fullfil the required voltage rise and fall time between 1us and 5us
			5.1	Voltage dips (315°, Pre-Compliance)	• ¹⁾		We not fullfil the required voltage rise and fall time between 1us and 5us
			5.1	Short interruptions	• ¹⁾		
			5.2	Voltage variations	• ¹⁾		
IEC	AC	50Hz / 60Hz	6.2	Maximum harmonic voltage distortion	• ⁵⁾	1	Option NWBoard and Analyse License required
			8.2	Flowchart	•		
61000-4-13			8.2.1	Harmonic combination test - Flat curve	•		
Ed. 1			8.2.1	Harmonic combination test - Over swing	•		
(2002-02)			8.2.2	Test method "Sweep in frequencies"	•		
			8.2.3	Individual harmonics with a specified test level sequence	•		
			8.2.3	Interharmonics with a specified test level sequence	•		
			8.2.4	Application of the Meister curve	•		
	AC 3 Phase	50Hz / 60Hz	6.2	Maximum harmonic voltage distortion	• ^{1,5)}	1	Option NWBoard 3 Phase and Analyse License required
			8.2	Flowchart	• ¹⁾		
			8.2.1	Harmonic combination test - Flat curve	• ¹⁾		
			8.2.1	Harmonic combination test - Over swing	• ¹⁾		
			8.2.2	Test method "Sweep in frequencies"	• ¹⁾		
			8.2.3	Individual harmonics with a specified test level sequence	• ¹⁾		
			8.2.3	Interharmonics with a specified test level sequence	• ¹⁾		
			8.2.4	Application of the Meister curve	• ¹⁾		
IEC	AC	50Hz / 60Hz	6.2	Maximum harmonic voltage distortion	• ⁵⁾		Option NWBoard and Analyse License required
61000-4-13			8.2	Flowchart	•		
A1 Ed.1			8.2.1	Harmonic combination test - Flat curve	•		
(2009-05)			8.2.1	Harmonic combination test - Over swing	•		
			8.2.2	Test method "Sweep in frequencies"	•		
			8.2.3	Individual harmonics with a specified test level sequence	•		
			8.2.3	Interharmonics with a specified test level sequence	•		
			8.2.4	Application of the Meister curve	•		
	AC 3 Phase	50Hz / 60Hz	6.2	Maximum harmonic voltage distortion	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
			8.2	Flowchart	• ¹⁾		
			8.2.1	Harmonic combination test - Flat curve	•1)		
			8.2.1	Harmonic combination test - Over swing	• ¹⁾		
			8.2.2	Test method "Sweep in frequencies"	• ¹⁾		
			8.2.3	Individual harmonics with a specified test level sequence	•1)		
			8.2.3	Interharmonics with a specified test level sequence	•1)		
			8.2.4	Application of the Meister curve	•1)		
IEC	AC	50Hz / 60Hz	6.2	Maximum harmonic voltage distortion	•5)		Option NWBoard and Analyse License required
61000-4-13			8.2	Flowchart	•		
Ed. 1.1			8.2.1	Harmonic combination test - Flat curve	•		
(2009-07)			8.2.1	Harmonic combination test - Over swing	•		
(2007 07)			8.2.2	Test method "Sweep in frequencies"	•		
			8.2.3	Individual harmonics with a specified test level sequence			
			8.2.3	Interharmonics with a specified test level sequence	•		
			8.2.4	Application of the Meister curve			
	AC 3 Phace	50Hz / 60Hz	6.2	Maximum harmonic voltage distortion	•1,5)		Option NWBoard 3 Phase and Analyse License required
	AC 5 Fliase	50112 / 00112	8.2	Flowchart	•1)		option involution of these and Analyse License required
			8.2.1	Harmonic combination test - Flat curve	•1)		
			8.2.1	Harmonic combination test - Over swing	•1)		
			0.2.1	mannone compination test - over swills	•1)	1	

Standard	Power	Class / Range	Paragraph	Test	Net	Icd Comment
			8.2.3	Individual harmonics with a specified test level sequence	• ¹⁾	
			8.2.3	Interharmonics with a specified test level sequence	 1) 	
			8.2.4	Application of the Meister curve	• 1)	
F.C.	AC	5011- / 6011-				
EC	AC	50Hz / 60Hz	5	Voltage Fluctuation	•	
1000-4-14						
d. 1	AC 3 Phase	50Hz / 60Hz	5	Voltage Fluctuation	• ¹⁾	
1998-12)						
EC	AC	50Hz / 60Hz	5	Voltage Fluctuation	•	
1000-4-14	AC	50112 / 00112	5	Voltage Hactaation		
	10.0.01		-		1)	
2 Ed.1	AC 3 Phase	50Hz / 60Hz	5	Voltage Fluctuation	•1)	
2009-05)						
EC	AC	50Hz / 60Hz	5	Voltage Fluctuation	•	
1000-4-14						
d. 1.2	AC 3 Phase	50Hz / 60Hz	5	Voltage Fluctuation	•1)	
2009-07)			-			
	DC		r	Multiple 1 (Frequency Dipple)	•	
EC	DC		5	Multiple 1 (Frequency Ripple)		
1000-4-17			5	Multiple 2 (Frequency Ripple)	•	
d. 1			5	Multiple 3 (Frequency Ripple)	•	
1999-06)			5	Multiple 6 (Frequency Ripple)	•	
EC	DC		5	Multiple 1 (Frequency Ripple)	•	
1000-4-17			5	Multiple 2 (Frequency Ripple)	•	
			5			
2 Ed.1			5	Multiple 3 (Frequency Ripple)	•	
2008-11)			5	Multiple 6 (Frequency Ripple)	•	
EC	DC		5	Multiple 1 (Frequency Ripple)	•	
51000-4-17			5	Multiple 2 (Frequency Ripple)	•	
id. 1.2			5	Multiple 3 (Frequency Ripple)	•	
			5			
2009-02)			5	Multiple 6 (Frequency Ripple)		
EC	AC 3 Phase	50Hz / 60Hz	5	Test 1 (Pre-Compliance)	• ¹⁾	We not fullfil the required voltage rise and fall time between 1us and 5us
51000-4-27			5	Test 2 (Pre-Compliance)	• ¹⁾	We not fullfil the required voltage rise and fall time between 1us and 5us
d.1			5	Test 3 (Pre-Compliance)	• ¹⁾	We not fullfil the required voltage rise and fall time between 1us and 5us
2000-08)			-			
	AC 2 Dhose	50Hz / 60Hz	5	Test 1 (Dro Compliance)	•1)	We not fullfil the required voltage rise and fall time between 1us and 5us
EC	AC 3 Phase	50H2 / 60H2	5	Test 1 (Pre-Compliance)		
51000-4-27			5	Test 2 (Pre-Compliance)	•1)	We not fullfil the required voltage rise and fall time between 1us and 5us
\1 Ed.1			5	Test 3 (Pre-Compliance)	• ¹⁾	We not fullfil the required voltage rise and fall time between 1us and 5us
2009-02)						
EC	AC 3 Phase	50Hz / 60Hz	5	Test 1 (Pre-Compliance)	• ¹⁾	We not fullfil the required voltage rise and fall time between 1us and 5us
1000-4-27	ne y nase	50112 / 00112	5	Test 2 (Pre-Compliance)	• 1)	We not fullfil the required voltage rise and fall time between 1us and 5us
			5		•1)	
d. 1.2			5	Test 3 (Pre-Compliance)	•	We not fullfil the required voltage rise and fall time between 1us and 5us
2009-04)						
EC	AC	50Hz / 60Hz	5	Variation Power Frequency	•	
1000-4-28						
d.1	AC 3 Phase	50Hz / 60Hz	5	Variation Power Frequency	•1)	
1999-11)			-			
	10	5011 / (011	-			
EC	AC	50Hz / 60Hz	5	Variation Power Frequency	•	
1000-4-28						
2 Ed.1	AC 3 Phase	50Hz / 60Hz	5	Variation Power Frequency	• ¹⁾	
2009-02)						
EC	AC	50Hz / 60Hz	5	Variation Power Frequency	•	
51000-4-28	ne -	55112 / 00112	,	anation of the frequency		
	46.2.01	5011- / 6011	5	Venietien Deuren Freguena	1)	
d.1.2	AC 3 Phase	50Hz / 60Hz	5	Variation Power Frequency	•1)	
2009-04)						
EC	DC		5	Voltage Dips	•	
1000-4-29			5	Short Interruptions	•	
d.1			5	Voltage variations	•	
			5	voltage valiations	•	
2000-08)			5			
EC	AC	50Hz / 60Hz	5.1	Voltage dips (Pre-Compliance)	•	We not fullfil the required voltage rise and fall time between 1us and 5us
1000-4-34			5.1	Short interruptions (Pre-Compliance)	•	We not fullfil the required voltage rise and fall time between 1us and 5us
d. 1.1			5.2	Voltage variations	•	
2009-11)	AC 3 Phase	50Hz / 60 Hz	5.1	Voltage dips - Phase 1 (Pre-Compliance)	•1)	We not fullfil the required voltage rise and fall time between 1us and 5us
2007 11)	ne or nase	50112 / 00 112			•1)	
			5.1	Voltage dips - Phase 2 (Pre-Compliance)		We not fullfil the required voltage rise and fall time between 1us and 5us
			5.1	Voltage dips - Phase 3 (Pre-Compliance)	•1)	We not fullfil the required voltage rise and fall time between 1us and 5us
			5.1	Short interruptions (Pre-Compliance)	•1)	We not fullfil the required voltage rise and fall time between 1us and 5us
			5.2	Voltage variations	• ¹⁾	
EC	AC	50Hz / 60Hz		Voltage Dips	•	
51000-6-1	ne -	55112 / 00112		Short interruptions		
					•	
.d.2						
2005-03)						
EC	AC	50Hz / 60Hz		Voltage Dips	•	
				Short interruptions		

Area

E ()	Standard Ed.2	Power	Class / Range	Paragraph	Test		Comment
(
	(2005-01)						
		AC	50Hz / 60Hz		Continuous Field	•	MC26100 or MC2630 required
6	50255-26				Short duration: 1 s to 3 s	•	MC26100 or MC2630 required
E	Ed.2	DC			Short Interruptions	•	
(2008-07)					•	
11	EC	AC	50Hz / 60Hz		Voltage Dips	•	
	61204-3				Short interruptions	•	
	Ed.2						
	2011-06)	10	5011 / (011			_	
		AC	50Hz / 60Hz		Voltage Dips Short interruptions	•	
	51326-3-1 Ed.1	DC			Voltage Dips	•	
	(2008-01)	DC			Short interruptions	•	
		AC	50Hz / 60Hz		Voltage Dips	•	
	51326-3-2				Short interruptions	•	
E	Ed.1	DC			Voltage Dips	•	
(2008-01)				Short interruptions	•	
		AC	16.7Hz / 50Hz		Power-frequency magnetic field	•	
	50121-4				Power-frequency magnetic field	•	
		DC			Power-frequency magnetic field	•	
		AC	50Hz / 60Hz		Voltage Dips	•	
	55014-2						
	(2009-06) 3SH	AC	50Hz / 60Hz	4.6	Voltage Dips and Variations (according EN 61000-4-11)	•	
	SH-EMV-RL	nc .	50112 / 00112	4.6	Voltage Dips and Variations (according EN 61000-4-11)	-	
	(2010-07)			4.7	Application of the Meister curve (according diagram "Meistercurve")		
×.	2010 07)			4.7	Application of the Meister curve (according EN 61000-4-13 Class 2)	•	
G	German. Lloyd	AC	50Hz / 60Hz	20	Conducted low frequency interference (harmonics) (Table 3.30)	•4)	AMP200N1 + CN200N1 required
G	GL VI 7-2	DC		20	Conducted low frequency interference (harmonics) (Table 3.29)	• ⁴⁾	AMP200N / N1 + CN200N1 required
	2003-12)						
			50Hz / 60Hz	20	Conducted low frequency interference (harmonics) (Table 3.31)	•4)	 AMP200N1 + CN200N1 required
	GL VI 7-2	DC		20	Conducted low frequency interference (harmonics) (Table 3.30)	• ⁴⁾	AMP200N / N1 + CN200N1 required
	2012-09)					_	
		AC	50Hz / 60Hz		VVT (Voltage variation test)	•	
	TL 1110 039 /ersion 2				VPP_ramp (Voltage variations in ramp function) VV15 (Voltage variations 15%)	•	
	(2009-01)				VV10 (Voltage variations 10V/s)	•	
L.	2009-01)				UV15 (Under voltage)		
					DPS (Disturbances on the power supply)	•	
					FV (Frequency variation)	•	
					CFV (Cyclic Frequency variations)	•	
					OH_NO3 (Odd-number harmonics, NO multiple of 3)	•	
					OH_M3 (Odd-number harmonics, multiple of 3)	•	
					EH (Even harmonics)	•	
					EH (Even harmonics)	•	
					OS (Overshoot)	•	
					IHT (Individual harmonics and temporary (intermediate-) harmonics) Flowchart		
Aircraft R	RCTA DO-160D	AC	Category A, E, Z	16.5.1.1	(1) Voltage and Frequency (ac)	•	
	Chapter 16)		400 Hz	16.5.1.1	(3) Voltage and Frequency (ac) [Operate under emergency conditions]	•	
	1997-07)		115V	16.5.1.2	Voltage Modulation (ac)	•	
i i				16.5.1.3	Frequency Modulation (ac)	•	
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•	
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•	
				16.5.1.5	Normal Surge Voltage (ac)	•	
					Voltage Steady State (ac)	•	
				16.5.3.2	Momentary Undervoltage Operation (ac)	•	
		AC 2 Dhasa	Cotogony A. E. 7	16.5.3.3	Abnormal Surge Voltage (ac)	• 1)	
		AC 3 Phase	Category A, E, Z 400 Hz	16.5.1.1 16.5.1.1	 (1) Voltage and Frequency (ac) (3) Voltage and Frequency (ac) [Operate under emergency conditions] 	• ¹)	
			115V	16.5.1.2	Voltage Modulation (ac)	1)	
			11.5 V	16.5.1.3	Frequency Modulation (ac)	•1)	
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	• ¹⁾	
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	• ¹⁾	
				16.5.1.5	Normal Surge Voltage (ac)	• ¹⁾	
				16.5.3.1	Voltage Steady State (ac)	• ¹⁾	
				16.5.3.2	Momentary Undervoltage Operation (ac)	• ¹⁾	
				16.5.3.3	Abnormal Surge Voltage (ac)	• ¹⁾	

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Standard	Power	Class / Range	Paragraph	Test	Net	lcd	Comment
	DC	Category A, Z	16.5.2.1	Voltage (Average Value dc)	•		
		28V	16.5.2.2	Ripple Voltage (dc)	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
			16.5.2.3	Momentary Power Interruptions (dc)	•		
			16.5.2.4	Normal Surge Voltage (dc)	•		
			16.5.2.5	Engine Starting Undervoltage Operation (dc)	•		
			16.5.4.1	Voltage Steady State (dc)	•		
			16.5.4.3	Momentary Undervoltage Operation (dc)	•		
			16.5.5.4	Abnormal Surge Voltage (dc)	•		
		Category B	16.5.2.1	Voltage (Average Value dc)	•		
		14V, 28V	16.5.2.2	Ripple Voltage (dc)	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
		111,201	16.5.2.3	Momentary Power Interruptions (dc)	•		
			16.5.2.4	Normal Surge Voltage (dc)	•		
			16.5.2.5	Engine Starting Undervoltage Operation (dc)	•		
			16.5.4.1	Voltage Steady State (dc)	•		
			16.5.4.2	Low Voltage Conditions (dc)	•		
			16.5.4.3	Momentary Undervoltage Operation (dc)	•		
			16.5.5.4	Abnormal Surge Voltage (dc)			
RCTA DO-160D	AC	CatagonyA			•4)		AMP200N1 + CN200N1 or CWS500N3 required
(Chapter 18) (1997-07)	AC	Category A [400 Hz] 115V	18.3.2	Audio Frequency Conducted Susceptibility - Power Inputs		•	
(1997-07)		Category E	18.3.2	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
		[400 Hz]	10.5.2	Auto requercy conducted susceptibility i ower inputs	-	-	
		[400 H2] 115V					
		Category Z	18.3.2	Audio Frequency Conducted Susceptibility - Power Inputs	•4)		AMP200N1 + CN200N1 or CWS500N3 required
		[400 Hz]	10.5.2	Audio Frequency Conducted Susceptibility - Power inputs	-		
		115V					
	AC 2 Dhace		10.2.2	Audia Fraguancy Conducted Succentibility Dower Inputs	•4)		AMP200N1 + CN200N1
	AC 3 Pliase	Category A	18.3.2	Audio Frequency Conducted Susceptibility - Power Inputs	••		AMP200N1 + CN200N1
		[400 Hz]					
		115V	10.2.2	Audio Frequency Conducted Susceptibility - Power Inputs	•4)		
		Category E	18.3.2	Audio Frequency Conducted Susceptibility - Power Inputs	•		AMP200N1 + CN200N1
		[400 Hz]					
		115V	10.0.0		(1)		
		Category Z	18.3.2	Audio Frequency Conducted Susceptibility - Power Inputs	•4)		AMP200N1 + CN200N1
		[400 Hz]					
	DC	115V			()		
	DC	Category B	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾	•	AMP200N1 + CN200N1 or CWS500N3 required
		14V	10.0.1		(4)		
		Category B	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾	•	AMP200N1 + CN200N1 or CWS500N3 required
		28V	10.0.1		(4)		
		Category R	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
		2011					
		28V					
		Category Z	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)		AMP200N1 + CN200N1 or CWS500N3 required
		Category Z 28V	18.3.1		•4)		AMP200N1 + CN200N1 or CWS500N3 required
RCTA DO-160E	AC	Category Z 28V Category A(CF)	18.3.1	(1) Voltage and Frequency (ac)	•4)		AMP200N1 + CN200N1 or CWS500N3 required
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz]	18.3.1 16.5.1.1 16.5.1.1	 (1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] 	•4)		AMP200N1 + CN200N1 or CWS500N3 required
	AC	Category Z 28V Category A(CF)	18.3.1 16.5.1.1 16.5.1.1 16.5.1.2	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac)	•4) •		AMP200N1 + CN200N1 or CWS500N3 required
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz]	18.3.1 16.5.1.1 16.5.1.1 16.5.1.2 16.5.1.3	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac)	• ⁴⁾ • • • • • •		AMP200N1 + CN200N1 or CWS500N3 required
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b	 (1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] 	• ⁴⁾ • • • • • • • • • • • • • • • • • • •		AMP200N1 + CN200N1 or CWS500N3 required
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4 16.5.1.4b 16.5.1.4c	 (1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] 	• ⁴⁾ • • • • • • • • • • • • • • • • • • •		AMP200N1 + CN200N1 or CWS500N3 required
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b 16.5.1.4c 16.5.1.4c 16.5.1.4c	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Normal Surge Voltage (ac)	• ⁴⁾ • • • • • • • • • • • • • • • • • • •		AMP200N1 + CN200N1 or CWS500N3 required
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz]	18.3.1 16.5.1.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b 16.5.1.4c 16.5.1.4c 16.5.1.5.1 16.5.1.5.2	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Normal Surge Voltage (ac) Normal Frequency Transients (ac)	• ⁴⁾ • • • • • • • • • • • • • • • • • • •		AMP200N1 + CN200N1 or CWS500N3 required
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b 16.5.1.4c 16.5.1.5.1 16.5.1.5.2 16.5.1.7	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Normal Surge Voltage (ac) Normal Frequency Transients (ac) Voltage DC Content (ac)	• ⁴⁾ • • • • • • • • • • • • • • • • • • •		AMP200N1 + CN200N1 or CWS500N3 required
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz]	18.3.1 16.5.1.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b 16.5.1.4c 16.5.1.4c 16.5.1.5.1 16.5.1.5.2	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Normal Surge Voltage (ac) Normal Frequency Transients (ac)	• ⁴⁾ • • • • • • • • • • • • • • • • • • •		AMP200N1 + CN200N1 or CWS500N3 required
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b 16.5.1.4c 16.5.1.5.1 16.5.1.5.2 16.5.1.7	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Normal Surge Voltage (ac) Normal Frequency Transients (ac) Voltage DC Content (ac)	• 4) • • • • • • • • • • •		AMP200N1 + CN200N1 or CWS500N3 required
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4 16.5.1.4 16.5.1.5.1 16.5.1.5.1 16.5.1.5.2 16.5.1.7 16.5.1.7 16.5.1.7	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Normal Surge Voltage (ac) Normal Frequency Transients (ac) Voltage DC Content (ac) Voltage distortion (ac)	• ⁽⁴⁾		AMP200N1 + CN200N1 or CWS500N3 required
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4c 16.5.1.5.1 16.5.1.5.2 16.5.1.7 16.5.1.8 16.5.1.8 16.5.1.8 16.5.1.7	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Normal Surge Voltage (ac) Normal Frequency Transients (ac) Voltage DC Content (ac) Voltage distortion (ac) Abnormal Voltage and Frequency Limits in Steady State (ac)	• ⁴⁾		AMP200N1 + CN200N1 or CWS500N3 required
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b 16.5.1.4c 16.5.1.5.1 16.5.1.5.2 16.5.1.7 16.5.1.8 16.5.2.1b 16.5.2.1d	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Normal Surge Voltage (ac) Normal Frequency Transients (ac) Voltage DC Content (ac) Voltage distortion (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional] Momentary Undervoltage Operation (ac)	• 4) • • • • • • • • • • • • • • • • • • •		AMP200N1 + CN200N1 or CWS500N3 required
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b 16.5.1.4c 16.5.1.5.1 16.5.1.5.2 16.5.1.7 16.5.1.8 16.5.2.1b 16.5.2.1d	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Normal Surge Voltage (ac) Normal Frequency Transients (ac) Voltage DC Content (ac) Voltage DC Content (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	• ⁴⁾ • • • • • • • • • • • • • • • • • • •		AMP200N1 + CN200N1 or CWS500N3 required
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b 16.5.1.4c 16.5.1.5.1 16.5.1.5.2 16.5.1.7 16.5.1.8 16.5.2.1b 16.5.2.1d 16.5.2.2 16.5.2.2.1	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Normal Surge Voltage (ac) Normal Frequency Transients (ac) Voltage DC Content (ac) Voltage distortion (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Vultage Operation (ac) Abnormal Surge Voltage (ac)	• 4) • • • • • • • • • • • • • • • • • • •		
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz] 115V	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4c 16.5.1.5.1 16.5.1.5.2 16.5.1.7 16.5.1.8 16.5.2.1b 16.5.2.1d 16.5.2.2 16.5.2.3 16.5.2.3	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Normal Surge Voltage (ac) Normal Frequency Transients (ac) Voltage DC Content (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Voltage (ac) Current Harmonic Emissions from Load (ac)	• 4) • • • • • • • • • • • • • • • • • • •		
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz] 115V Category A(NF)	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4c 16.5.1.5.1 16.5.1.5.1 16.5.1.7 16.5.1.8 16.5.2.1b 16.5.2.1d 16.5.1.1	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Mormal Surge Voltage (ac) Normal Surge Voltage (ac) Voltage DC Content (ac) Voltage DC Content (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Voltage (ac) Current Harmonic Emissions from Load (ac) (1) Voltage and Frequency (ac)	• 4) • • • • • • • • • • • • • • • • • • •		
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz] 115V Category A(NF) [360 to 650 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b 16.5.1.4c 16.5.1.5.1 16.5.1.5.2 16.5.1.7 16.5.1.8 16.5.2.1b 16.5.2.1d 16.5.2.2 16.5.2.3.2 16.5.1.1 16.5.1.2 16.5.1.3	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] VVoltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Normal Surge Voltage (ac) Normal Frequency Transients (ac) Voltage and Frequency Limits in Steady State (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Surge Voltage (ac) Current Harmonic Emissions from Load (ac) (1) Voltage Modulation (ac) Voltage Modulation (ac)	• 4) • 4) • • • • • • • • • • • • • • • • • • •		
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz] 115V Category A(NF) [360 to 650 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b 16.5.1.4c 16.5.1.5.1 16.5.1.4c 16.5.1.5.1 16.5.1.7 16.5.1.8 16.5.2.1d 16.5.2.2 16.5.2.3.2 16.5.1.1 16.5.1.2 16.5.1.3 16.5.2.1d 16.5.2.3.2 16.5.2.1d 16.5.2.3.1 16.5.1.2 16.5.1.3 16.5.1.4 16.5.2.3.2 16.5.1.4 16.5.1.5 16.5.1.4 16.5.1.4 16.5.1.4 16.5.1.4 16.5.1.4 16.5.1.4 16.5.1.4 16.5.1.4 16.5.1.4	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Normal Surge Voltage (ac) Normal Frequency Transients (ac) Voltage DC Content (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Voltage (ac) Current Harmonic Emissions from Load (ac) (1) Voltage Modulation (ac) Frequency Modulation (ac) Frequency Interrptions (ac) [Equipment with Digital Circuits]	• 4) • • • • • • • • • • • • • • • • • • •		
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz] 115V Category A(NF) [360 to 650 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b 16.5.1.4c 16.5.1.5.1 16.5.1.5.1 16.5.1.5.1 16.5.1.7 16.5.2.1b 16.5.2.1b 16.5.2.1b 16.5.2.1c 16.5.2.1c 16.5.2.1c 16.5.2.1c 16.5.2.1c 16.5.2.1c 16.5.2.1c 16.5.1.3 16.5.1.4c 16.5.1.4c 16.5.1.4c	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Mormal Surge Voltage (ac) Normal Surge Voltage and Frequency Limits in Steady State (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Current Harmonic Emissions from Load (ac) (1) Voltage and Frequency (ac) Voltage Modulation (ac) Abnormal Voltage (ac) Current Harmonic Emissions from Load (ac) (1) Voltage and Frequency (ac) Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Conter Equipment]	• 4) • • • • • • • • • • • • • • • • • • •		
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz] 115V Category A(NF) [360 to 650 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b 16.5.1.4c 16.5.1.5.1 16.5.1.5.1 16.5.1.5.1 16.5.1.7 16.5.1.8 16.5.2.1b 16.5.2.1d 16.5.2.1d 16.5.2.2 16.5.2.3.2 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b 16.5.1.4c 16.5.1.4c 16.5.1.4d	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] VVoltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Mormal Surge Voltage (ac) Normal Frequency Transients (ac) Voltage distortion (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Surge Voltage (ac) Current Harmonic Emissions from Load (ac) (1) Voltage and Frequency (ac) Voltage Modulation (ac) Frequency Modulation (ac) Frequency Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Additional Requirement]	• (4) •		
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz] 115V Category A(NF) [360 to 650 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b 16.5.1.4c 16.5.1.5.1 16.5.1.6 16.5.1.7 16.5.1.8 16.5.2.1b 16.5.2.1b 16.5.2.1c 16.5.2.1b 16.5.2.1c 16.5.2.1c 16.5.2.1b 16.5.2.1b 16.5.2.1c 16.5.2.1c 16.5.2.2 16.5.1.3 16.5.1.4c 16.5.1.4c 16.5.1.4c 16.5.1.4c 16.5.1.4c 16.5.1.4c 16.5.1.4c 16.5.1.5.1	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Normal Surge Voltage (ac) Normal Frequency Transients (ac) Voltage DC Content (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Surge Voltage (ac) Current Harmonic Emissions from Load (ac) (1) Voltage and Frequency (ac) Voltage Modulation (ac) Frequency Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Momentary Power Interrptions (ac) [Additional Requirement] Normal Surge Voltage (ac)	• 4) • 4) • • • • • • • • • • • • • • • • • • •		
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz] 115V Category A(NF) [360 to 650 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b 16.5.1.4c 16.5.1.5.1 16.5.1.4c 16.5.1.7 16.5.1.8 16.5.2.1d 16.5.2.3.2 16.5.1.1 16.5.1.2 16.5.2.3.2 16.5.1.3 16.5.2.3.2 16.5.1.1 16.5.1.2 16.5.1.2 16.5.1.4b 16.5.1.4b 16.5.1.4c 16.5.1.4c 16.5.1.4c 16.5.1.4d 16.5.1.4d 16.5.1.4c 16.5.1.4c 16.5.1.4c 16.5.1.4c 16.5.1.4c 16.5.1.4c 16.5.1.5.1 16.5.1.6	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Normal Surge Voltage (ac) Normal Frequency Transients (ac) Voltage DC Content (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional] Momentary Undervoltage Operation (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional] Momentary Undervoltage Operation (ac) Current Harmonic Emissions from Load (ac) (1) Voltage Modulation (ac) Frequency Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Momentary Power Interrptions (ac) [Normal Frequency Normal Surge Voltage (ac) Normal Frequency Transients (ac)			
(Chapter 16)	AC	Category Z 28V Category A(CF) [400 Hz] 115V Category A(NF) [360 to 650 Hz]	18.3.1 16.5.1.1 16.5.1.2 16.5.1.3 16.5.1.4b 16.5.1.4c 16.5.1.5.1 16.5.1.6 16.5.1.7 16.5.1.8 16.5.2.1b 16.5.2.1b 16.5.2.1c 16.5.2.1b 16.5.2.1c 16.5.2.1c 16.5.2.1b 16.5.2.1b 16.5.2.1c 16.5.2.1c 16.5.2.2 16.5.1.3 16.5.1.4c 16.5.1.4c 16.5.1.4c 16.5.1.4c 16.5.1.4c 16.5.1.4c 16.5.1.4c 16.5.1.5.1	(1) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Normal Surge Voltage (ac) Normal Frequency Transients (ac) Voltage DC Content (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Voltage and Frequency Limits in Steady State (ac) Abnormal Surge Voltage (ac) Current Harmonic Emissions from Load (ac) (1) Voltage and Frequency (ac) Voltage Modulation (ac) Frequency Modulation (ac) Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment] Momentary Power Interrptions (ac) [Additional Requirement] Normal Surge Voltage (ac)	• 4) • 4) • • • • • • • • • • • • • • • • • • •		

Area	Standard	Power	Class / Range	Paragraph	Test	Net l	cd Comment
				16.5.2.2	Momentary Undervoltage Operation (ac)		
				16.5.3.1	Abnormal Surge Voltage (ac)	•	
				16.7.1	Current Harmonic Emissions from Load (ac)	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(WF)	16.5.1.1	(1) Voltage and Frequency (ac)	•	option in Board / in Board / in ase and maryse Electrice required
			[360 to 800 Hz]	16.5.1.2	Voltage Modulation (ac)	•	
			115V	16.5.1.3	Frequency Modulation (ac)	•	
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•	
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•	
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•	
				16.5.1.5.1	Normal Surge Voltage (ac)	•	
				16.5.1.6	Normal Frequency Transients (ac) Voltage DC Content (ac)		
				16.5.1.7 16.5.1.8	Voltage distortion (ac)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•	
				16.5.2.2	Momentary Undervoltage Operation (ac)	•	
				16.5.3.1	Abnormal Surge Voltage (ac)	•	
				16.7.1	Current Harmonic Emissions from Load (ac)	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(CF)	16.5.1.1	(1) Voltage and Frequency (ac)	•	
			[400 Hz]	16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•	
			230V	16.5.1.2	Voltage Modulation (ac)	•	
				16.5.1.3 16.5.1.4b	Frequency Modulation (ac) Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•	
				16.5.1.4D 16.5.1.4c	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]		
				16.5.1.5.1	Normal Surge Voltage (ac)	•2)	up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•	
				16.5.1.7	Voltage DC Content (ac)	•	
				16.5.1.8	Voltage distortion (ac)	•	
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•	
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•	
				16.5.2.2	Momentary Undervoltage Operation (ac)	• 2)	
				16.5.2.3.2	Abnormal Surge Voltage (ac)	•======================================	up to 360Vrms Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(NF)	16.7.1 16.5.1.1	Current Harmonic Emissions from Load (ac) (1) Voltage and Frequency (ac)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			[360 to 650 Hz]	16.5.1.2	Voltage Modulation (ac)	•	
			230V	16.5.1.3	Frequency Modulation (ac)	•	
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•	
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•	
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•	
				16.5.1.5.1	Normal Surge Voltage (ac)	•2)	up to 340Vrms
				16.5.1.6	Normal Frequency Transients (ac)	•	
				16.5.1.7 16.5.1.8	Voltage DC Content (ac) Voltage distortion (ac)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•	
				16.5.2.2	Momentary Undervoltage Operation (ac)	•	
				16.5.3.1	Abnormal Surge Voltage (ac)	• ²⁾	up to 360Vrms
				16.7.1	Current Harmonic Emissions from Load (ac)	• ⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(WF)	16.5.1.1	(1) Voltage and Frequency (ac)	•	
			[360 to 800 Hz]	16.5.1.2	Voltage Modulation (ac)	•	
			230V	16.5.1.3	Frequency Modulation (ac)	•	
				16.5.1.4b 16.5.1.4c	Momentary Power Interrptions (ac) [Equipment with Digital Circuits] Momentary Power Interrptions (ac) [Other Equipment]	•	
				16.5.1.4c	Momentary Power Interriptions (ac) [Additional Requirement]		
				16.5.1.5.1	Normal Surge Voltage (ac)	•2)	up to 340Vrms
				16.5.1.6	Normal Frequency Transients (ac)	•	
				16.5.1.7	Voltage DC Content (ac)	•	
				16.5.1.8	Voltage distortion (ac)	•	
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•	
				16.5.2.2	Momentary Undervoltage Operation (ac)	•	
				16.5.3.1	Abnormal Surge Voltage (ac)	• 2) • 5)	up to 360Vrms
		AC 3 Phace	Category A(CF)	16.7.1 16.5.1.1	Current Harmonic Emissions from Load (ac) (1) Voltage and Frequency (ac)	• 1)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		AC 5 Flidse	[400 Hz]	16.5.1.1	(2) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions]	•1)	
			115V	16.5.1.2	Voltage Modulation (ac)	•1)	
				16.5.1.3	Frequency Modulation (ac)	• ¹⁾	
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1)	
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•1)	
				16.5.1.5.1	Normal Surge Voltage (ac)	•1)	
				16.5.1.5.2	Normal Frequency Transients (ac)	• 1) • 1)	
				16.5.1.7	Voltage DC Content (ac)	•.,	

Standard	Power	Class / Range	Paragraph	Test	Net	Icd Comment	
			16.5.1.8	Voltage distortion (ac)	• ¹⁾		
			16.5.2.1c	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
			16.5.2.1e	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	• ¹⁾		
			16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
			16.5.2.3.2	Abnormal Surge Voltage (ac)	• ¹⁾		
			16.7.1	Current Harmonic Emissions from Load (ac)	•1,5)	Option NWBoard 3 Phase and Analyse License required	
		Category A(NF)	16.5.1.1	(1) Voltage and Frequency (ac)	• ¹⁾		
		[360 to 650 Hz]	16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	• ¹⁾		
		115V	16.5.1.2	Voltage Modulation (ac)	 1) 		
			16.5.1.3	Frequency Modulation (ac)	• ¹⁾		
			16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1)		
			16.5.1.4c	Momentary Power Interriptions (ac) [Equipment with Digital chearts]	•1)		
			16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•1)		
			16.5.1.5.1	Normal Surge Voltage (ac)	•1)		
					•1)		
			16.5.1.6	Normal Frequency Transients (ac)	• 1)		
			16.5.1.7	Voltage DC Content (ac)	• 1)		
			16.5.1.8	Voltage distortion (ac)			
			16.5.2.1c	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
			16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
			16.5.3.1	Abnormal Surge Voltage (ac)	•1)		
			16.7.1	Current Harmonic Emissions from Load (ac)	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required	
		Category A(WF)	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
		[360 to 800 Hz]	16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	• ¹⁾		
		115V	16.5.1.2	Voltage Modulation (ac)	• ¹⁾		
			16.5.1.3	Frequency Modulation (ac)	 1) 		
			16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	• ¹⁾		
			16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•1)		
			16.5.1.4d	Momentary Power Interriptions (ac) [Other Equipment]	•1)		
					1)		
			16.5.1.5.1	Normal Surge Voltage (ac)	• 1)		
			16.5.1.6	Normal Frequency Transients (ac)			
			16.5.1.7	Voltage DC Content (ac)	•1)		
			16.5.1.8	Voltage distortion (ac)	•1)		
			16.5.2.1c	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
			16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
			16.5.3.1	Abnormal Surge Voltage (ac)	• ¹⁾		
			16.7.1	Current Harmonic Emissions from Load (ac)	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required	
		Category A(CF)	16.5.1.1	(1) Voltage and Frequency (ac)	• ¹⁾		
		[400 Hz]	16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	• ¹⁾		
		230V	16.5.1.2	Voltage Modulation (ac)	 1) 		
			16.5.1.3	Frequency Modulation (ac)	• ¹⁾		
			16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1)		
			16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	• ¹⁾		
			16.5.1.5.1	Normal Surge Voltage (ac)	•1,2)	up to 340Vrms	
					•1)	up to 540 vinis	
			16.5.1.5.2	Normal Frequency Transients (ac)	1)		
			16.5.1.7	Voltage DC Content (ac)			
			16.5.1.8	Voltage distortion (ac)	•1)		
			16.5.2.1c	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
			16.5.2.1e	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•1)		
			16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
			16.5.2.3.2	Abnormal Surge Voltage (ac)	• ^{1,2)}	up to 360Vrms	
			16.7.1	Current Harmonic Emissions from Load (ac)	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required	
		Category A(NF)	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
		[360 to 650 Hz]	16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	• ¹⁾		
		230V	16.5.1.2	Voltage Modulation (ac)	•1)		
			16.5.1.3	Frequency Modulation (ac)	• ¹⁾		
			16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1)		
			16.5.1.4c	Momentary Power Interriptions (ac) [Equipment with Digital circuits]	•1)		
			16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•1)		
			16.5.1.5.1	Normal Surge Voltage (ac)	•1,2)	up to 340Vrms	
					•1)		
			16.5.1.6	Normal Frequency Transients (ac)	• 1)		
			16.5.1.7	Voltage DC Content (ac)			
			16.5.1.8	Voltage distortion (ac)	•1)		
			16.5.2.1c	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
			16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
			16.5.3.1	Abnormal Surge Voltage (ac)	• ^{1,2)}	up to 360Vrms	
			16.7.1	Current Harmonic Emissions from Load (ac)	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required	
		Category A(WF)	16.5.1.1	(1) Voltage and Frequency (ac)	• ¹⁾		
		[360 to 800 Hz]	16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	• ¹⁾		
		230V	16.5.1.2	Voltage Modulation (ac)	•1)		

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Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
			16.5.1.3	Frequency Modulation (ac)	• 1)		
			16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	• ¹⁾		
			16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	• ¹⁾		
			16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•1)		
			16.5.1.5.1	Normal Surge Voltage (ac)	• ^{1,2)}		up to 340Vrms
			16.5.1.6	Normal Frequency Transients (ac)	•1)		
			16.5.1.7	Voltage DC Content (ac)	• ¹⁾		
			16.5.1.8	Voltage distortion (ac)	• ¹⁾		
			16.5.2.1c	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
			16.5.2.2	Momentary Undervoltage Operation (ac)	• ¹⁾		
			16.5.3.1	Abnormal Surge Voltage (ac)	• ^{1,2)}		up to 360Vrms
			16.7.1	Current Harmonic Emissions from Load (ac)	 1,5) 		Option NWBoard 3 Phase and Analyse License required
	DC	Category B	16.6.1.1	Voltage (Average Value dc)	•		
		14V	16.6.1.2	Ripple Voltage (dc)	•4)	•	AMP200N / N1 + CN200N1 or CWS500N3 required
			16.6.1.3	Momentary Power Interruptions (dc)	•		
			16.6.1.4	Normal Surge Voltage (dc)	•		
			16.6.2.1	Voltage Steady State (dc)	•		
			16.6.2.2	Low Voltage Conditions (dc)	•		
			16.6.2.3	Momentary Undervoltage Operation (dc)	•		
			16.6.2.4	Abnormal Surge Voltage (dc)	•		
		Category A	16.6.1.1	Voltage (Average Value dc)	•		
		28V	16.6.1.2	Ripple Voltage (dc)	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
		201	16.6.1.3	Momentary Power Interruptions (dc)	•		
			16.6.1.4	Normal Surge Voltage (dc)	•		
			16.6.2.1	Voltage Steady State (dc)	•		
			16.6.2.3	Momentary Undervoltage Operation (dc)	•		
			16.6.2.4	Abnormal Surge Voltage (dc)	•		
		Category B	16.6.1.1	Voltage (Average Value dc)	•		
		28V	16.6.1.2	Ripple Voltage (dc)	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
		201	16.6.1.3	Momentary Power Interruptions (dc)	•	-	
			16.6.1.4	Normal Surge Voltage (dc)	•		
			16.6.1.5	Engine Starting Under Voltage Operation (dc)			
			16.6.2.1	Voltage Steady State (dc)	•		
			16.6.2.2	Low Voltage Conditions (dc)			
			16.6.2.3	Momentary Undervoltage Operation (dc)	•		
			16.6.2.4	Abnormal Surge Voltage (dc)			
		Category Z	16.6.1.1	Voltage (Average Value dc)	•		
		28V	16.6.1.2	Ripple Voltage (dc)	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
					•	•	
			16.6.1.3	Momentary Power Interruptions (dc)	•		
			16.6.1.4	Normal Surge Voltage (dc)	•		
			16.6.1.5	Engine Starting Under Voltage Operation (dc)			
			16.6.2.1	Voltage Steady State (dc)	•		
			16.6.2.3	Momentary Undervoltage Operation (dc)	•		
	10	Catagory K	16.6.2.4	Abnormal Surge Voltage (dc)	• • ⁴⁾		
RCTA DO-160E	AC	Category K	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	• "	•	AMP200N1 + CN200N1 or CWS500N3 required
(Chapter 18)		[400 Hz]					CWS500N3 → AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
(2004-12)		115V, 230V					
		Category K	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
		[360 to 650 Hz]					CWS500N3 → AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
		115V, 230V	40.0.0	And in Engineering Conducted Concernentit 1911 Device in the	(A)		
		Category K	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
		[360 to 800 Hz]					CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
		115V, 230V					
		Category R(CF)	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾	•	AMP200N1 + CN200N1 or CWS500N3 required
		[400 Hz]					CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
		115V, 230V					
		Category R(NF)	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
		[360 to 650 Hz]					CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
		115V, 230V					
		Category R(WF)	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
		[360 to 800 Hz]					CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
		115V, 230V					
	AC 3 Phase		18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•4)		AMP200N1 + CN200N1
		[400 Hz]					
		115V, 230V					
		Category K	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾		AMP200N1 + CN200N1
		[360 to 650 Hz]					
		115V, 230V					
		Category K	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•4)		AMP200N1 + CN200N1

Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
		[360 to 800 Hz]					
		115V, 230V					
		Category R(CF)	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•4)		AMP200N1 + CN200N1
		[400 Hz] 115V, 230V					
		Category R(NF)	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•4)		AMP200N1 + CN200N1
		[360 to 650 Hz]					
		115V, 230V					
		Category R(WF)	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•4)		AMP200N1 + CN200N1
		[360 to 800 Hz]					
	DC	115V, 230V	10.2.1	Audio Fraguency Conducted Suggestibility Dewerlanute	•4)	-	AMD200NI1 - CN200NI1 ex CWC500N2 required
	DC	Category B 14V	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	• "	•	AMP200N1 + CN200N1 or CWS500N3 required
		Category B	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
		28V					
		Category R	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
		14V	12.2.1				
		Category R	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
		28V Category Z	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
		14V	10.5.1	Audio rrequency conducted susceptionity - rower inputs	-	-	
		Category Z	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
		28V					
RCTA DO-160E	AC	Category ZC	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
(Chapter 19)		[400 Hz]	19.3.3	Magnetic Fields induced into interconnecting cables		_	
(2004-12)			19.3.4 19.3.5	Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			
		Category AC	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
		[400 Hz]	19.3.3	Magnetic Fields induced into interconnecting cables			
			19.3.4	Electric Fields induced into interconnecting cables			
			19.3.5	Spikes induced into interconnecting cables			
		Category BC	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
		[400 Hz]	19.3.5	Spikes induced into interconnecting cables			NotWays as Course - Dedicting Wire
		Category CC [400 Hz]	19.3.1 19.3.3	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables			NetWave as Source + Radiating Wire
		[400112]	19.3.4	Electric Fields induced into interconnecting cables			
			19.3.5	Spikes induced into interconnecting cables			
		Category ZN	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
		[350Hz - 650 Hz]	19.3.3	Magnetic Fields induced into interconnecting cables			
			19.3.4 19.3.5	Electric Fields induced into interconnecting cables			
		Category AN	19.3.5	Spikes induced into interconnecting cables Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
		[350Hz - 650 Hz]	19.3.3	Magnetic Fields induced into interconnecting cables			
			19.3.4	Electric Fields induced into interconnecting cables			
			19.3.5	Spikes induced into interconnecting cables			
		Category BN	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
		[350Hz - 650 Hz]	19.3.5	Spikes induced into interconnecting cables			Natifica as Course Dedicting Mine
		Category CN [350Hz - 650 Hz]	19.3.1 19.3.3	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables			NetWave as Source + Radiating Wire
			19.3.4	Electric Fields induced into interconnecting cables			
			19.3.5	Spikes induced into interconnecting cables			
		Category ZW	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
		[350Hz - 800 Hz]	19.3.3	Magnetic Fields induced into interconnecting cables			
			19.3.4	Electric Fields induced into interconnecting cables			
		Category AW	19.3.5	Spikes induced into interconnecting cables Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
		[350Hz - 800 Hz]	19.3.3	Magnetic Fields induced into interconnecting cables			
			19.3.4	Electric Fields induced into interconnecting cables			
			19.3.5	Spikes induced into interconnecting cables			
		Category BW	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
		[350Hz - 800 Hz]	19.3.5	Spikes induced into interconnecting cables			Native as Course Dediction With
		Category CW [350Hz - 800 Hz]	19.3.1 19.3.3	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables			NetWave as Source + Radiating Wire
		[350HZ - 800 HZ]	19.3.3	Electric Fields induced into interconnecting cables			
			19.3.5	Spikes induced into interconnecting cables			
		Catagory	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
RCTA DO-160E		Category A	20.4				
RCTA DO-160E (Chapter 20) (2004-12)		Category B Category C	20.4 20.4 20.4	Conducted Susceptibility (CS) Test Conducted Susceptibility (CS) Test			CWS500N2 CWS500N2

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Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
		Category E	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
		Category F	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
		Category G	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
		Category H	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
		Category J	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
		Category K	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
		Category L	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
		Category R	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
		Category S	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
		Category T	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
		Category W	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
		Category Y	20.4	Conducted Susceptibility (CS) Test		•	CWS500N2
RCTA DO-160F	AC	Category A(CF)	16.5.1.1	(1) Voltage and Frequency (ac)	•		
(Chapter 16)		[400 Hz]	16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•		
(2007-12)		115V	16.5.1.2	Voltage Modulation (ac)	•		
			16.5.1.3	Frequency Modulation (ac)	•		
			16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
			16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•		
			16.5.1.5.1	Normal Surge Voltage (ac)	•		
			16.5.1.5.2	Normal Frequency Transients (ac)	•		
			16.5.1.7	Voltage DC Content (ac)	•		
			16.5.1.8	Voltage distortion (ac)	•		
			16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
			16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•		
			16.5.2.2	Momentary Undervoltage Operation (ac)	•		
			16.5.2.3.1	Abnormal Surge Voltage (ac)	•		
			16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
			16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.8	Power Factor (All ac Equipment), Designation P	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Category A(NF)	16.5.1.1	(1) Voltage and Frequency (ac)	•		option inwoodrd / inwoodrd / inase and Analyse Electice required
		[360 to 650 Hz]	16.5.1.2	Voltage Modulation (ac)			
		115V	16.5.1.3	Frequency Modulation (ac)			
		11.50	16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]			
			16.5.1.4D	Momentary Power Interritions (ac) [Equipment with Digital Circuits]			
			16.5.1.4d	Momentary Power Interriptions (ac) [Additional Requirement]			
				Normal Surge Voltage (ac)			
			16.5.1.5.1	Normal Frequency Transients (ac)			
			16.5.1.5.2	Normal Frequency Variations (ac)			
			16.5.1.6				
			16.5.1.7	Voltage DC Content (ac)			
			16.5.1.8	Voltage distortion (ac)	•		
			16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
			16.5.2.2	Momentary Undervoltage Operation (ac)	•		
			16.5.2.3.1	Abnormal Surge Voltage (ac)	•		
			16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
			16.5.2.3.3	Abnormal Frequency Variations (ac)	•		
			16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.8	Power Factor (All ac Equipment), Designation P	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Category A(WF)	16.5.1.1	(1) Voltage and Frequency (ac)	•		
		[360 to 800 Hz]	16.5.1.2	Voltage Modulation (ac)	•		
		115V	16.5.1.3	Frequency Modulation (ac)	•		
			16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•		
			16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•		
			16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•		
			16.5.1.5.1	Normal Surge Voltage (ac)	•		
			16.5.1.5.2	Normal Frequency Transients (ac)	•		
			16.5.1.6	Normal Frequency Variations (ac)	•		
			16.5.1.7	Voltage DC Content (ac)	•		
			16.5.1.8	Voltage distortion (ac)	•		
			16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
			16.5.2.2	Momentary Undervoltage Operation (ac)	•		
			16.5.2.3-1	Abnormal Surge Voltage (ac)	•		
			16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				Abnormal Frequency Variations (ac)	•		

Standard	Power	Class / Range	Paragraph	Test		d Comment
			16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• ⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	• ⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• ⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.8	Power Factor (All ac Equipment), Designation P	⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Category A(CF)	16.5.1.1	(1) Voltage and Frequency (ac)	•	
		[400 Hz]	16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•	
		230V	16.5.1.2	Voltage Modulation (ac)	•	
			16.5.1.3	Frequency Modulation (ac)	•	
			16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•	
			16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•	
			16.5.1.5.1	Normal Surge Voltage (ac)	• ²⁾	up to 340Vrms
			16.5.1.5.2	Normal Frequency Transients (ac)	•	
			16.5.1.7	Voltage DC Content (ac)	•	
			16.5.1.8	Voltage distortion (ac)	•	
			16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•	
			16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•	
			16.5.2.2	Momentary Undervoltage Operation (ac)	•	
			16.5.2.3.1	Abnormal Surge Voltage (ac)	•	
			16.5.2.3.2	Abnormal Frequency Transients (ac)	•	
			16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• ⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	• ⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• ⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.8	Power Factor (All ac Equipment), Designation P	• ⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Category A(NF)	16.5.1.1	(1) Voltage and Frequency (ac)	•	
		[360 to 650 Hz]	16.5.1.2	Voltage Modulation (ac)	•	
		230V	16.5.1.3	Frequency Modulation (ac)	•	
			16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•	
			16.5.1.4c	[Momentary Power Interrptions (ac) [Other Equipment]	•	
			16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•	
			16.5.1.5.1	Normal Surge Voltage (ac)	• ²⁾	up to 340Vrms
			16.5.1.5.2	Normal Frequency Transients (ac)	•	
			16.5.1.6	Normal Frequency Variations (ac)	•	
			16.5.1.7	Voltage DC Content (ac)	•	
			16.5.1.8	Voltage distortion (ac)	•	
			16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•	
			16.5.2.2	Momentary Undervoltage Operation (ac)	•	
			16.5.2.3.1	Abnormal Surge Voltage (ac)	• 2)	up to 360Vrms
			16.5.2.3.2	Abnormal Frequency Transients (ac)	•	
			16.5.2.3.3	Abnormal Frequency Variations (ac)	•	
			16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• 5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• 5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• 5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.8	Power Factor (All ac Equipment), Designation P	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Category A(WF)	16.5.1.1	(1) Voltage and Frequency (ac)	•	
		[360 to 800 Hz]	16.5.1.2	Voltage Modulation (ac)	•	
		230V	16.5.1.2	Frequency Modulation (ac)		
		2500	16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•	
			16.5.1.4D 16.5.1.4c	Momentary Power Interriptions (ac) [Equipment with Digital Circuits]		
				Momentary Power Interrptions (ac) [Other Equipment] Momentary Power Interrptions (ac) [Additional Requirement]	•	
			16.5.1.4d 16.5.1.5.1	Normal Surge Voltage (ac)	• 2)	up to 340Vrms
				Normal Frequency Transients (ac)	•	up to 540 vinits
			16.5.1.5.2		•	
			16.5.1.6	Normal Frequency Variations (ac)		
			16.5.1.7	Voltage DC Content (ac)	•	
			16.5.1.8	Voltage distortion (ac)	•	
			16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•	
			16.5.2.2	Momentary Undervoltage Operation (ac)	• 2)	
			16.5.2.3-1	Abnormal Surge Voltage (ac)		up to 360Vrms
			16.5.2.3.2	Abnormal Frequency Transients (ac)	•	
			16.5.2.3.3	Abnormal Frequency Variations (ac)	•	
			16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.8	Power Factor (All ac Equipment), Designation P	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
	AC 2 Phase	e Category A(CF)	16.5.1.1	(1) Voltage and Frequency (ac)	• ¹⁾	

rea	Standard	Power	Class / Range	Paragraph	Test	Net	Icd Comment
			115V	16.5.1.2	Voltage Modulation (ac)	•1)	
				16.5.1.3	Frequency Modulation (ac)	•1)	
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1) •1)	
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•1)	
				16.5.1.5.1 16.5.1.5.2	Normal Surge Voltage (ac) Normal Frequency Transients (ac)	• 1)	
				16.5.1.7	Voltage DC Content (ac)	•1)	
				16.5.1.8	Voltage distortion (ac)	•1)	
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	• 1)	
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	 1) 	
				16.5.2.2	Momentary Undervoltage Operation (ac)	• ¹⁾	
				16.5.2.3.1	Abnormal Surge Voltage (ac)	• ¹⁾	
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)	
				16.5.2.4	Loss of Phase Input (ac)	•1)	The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	● ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•1,5) •1,5)	Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5) •1,5)	Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)	Option NWBoard 3 Phase and Analyse License required
				16.7.6 16.7.8	Current Modulation in Steady-State Operation (ac), Designation I Power Factor (All ac Equipment), Designation P	•1,5)	Option NWBoard 3 Phase and Analyse License required Option NWBoard 3 Phase and Analyse License required
			Category A(NF)	16.5.1.1	(1) Voltage and Frequency (ac)	• 1)	
			[360 to 650 Hz]	16.5.1.2	Voltage Modulation (ac)	•1)	
			115V	16.5.1.3	Frequency Modulation (ac)	•1)	
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1)	
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•1)	
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	• ¹⁾	
				16.5.1.5.1	Normal Surge Voltage (ac)	• ¹⁾	
				16.5.1.5.2	Normal Frequency Transients (ac)	• ¹⁾	
				16.5.1.6	Normal Frequency Variations (ac)	• ¹⁾	
				16.5.1.7	Voltage DC Content (ac)	• ¹⁾	
				16.5.1.8	Voltage distortion (ac)	•1)	
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)	
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)	
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•1) •1)	
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)	
				16.5.2.3.3	Abnormal Frequency Variations (ac) Loss of Phase Input (ac)	•1)	The phase disconnection must be done manually
				16.5.2.4 16.7.1	Current Harmonic Emissions from Load (ac), Designation H	1,5)	Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	1,5)	Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)	Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
			Category A(WF)	16.5.1.1	(1) Voltage and Frequency (ac)	• ¹⁾	
			[360 to 800 Hz]	16.5.1.2	Voltage Modulation (ac)	• 1)	
			115V	16.5.1.3	Frequency Modulation (ac)	•1)	
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1)	
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	• ¹⁾	
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	•1)	
				16.5.1.5.1	Normal Surge Voltage (ac)	•1) •1)	
				16.5.1.5.2	Normal Frequency Transients (ac)	• ¹⁾	
				16.5.1.6	Normal Frequency Variations (ac)	•1)	
				16.5.1.7	Voltage DC Content (ac) Voltage distortion (ac)	•1)	
				16.5.1.8 16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	• 1)	
				16.5.2.1	Momentary Undervoltage Operation (ac)	• 1)	
				16.5.2.3-1	Abnormal Surge Voltage (ac)	•1)	
					Abnormal Frequency Transients (ac)	•1)	
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•1)	
				16.5.2.4	Loss of Phase Input (ac)	• ¹⁾	The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
						1)	
			Category A(CF) [400 Hz]	16.5.1.1 16.5.1.1	(1) Voltage and Frequency (ac)(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•1) •1)	

Area	Standard	Power	Class / Range	Paragraph 16.5.1.3 16.5.1.4b	Test Frequency Modulation (ac)	• 1)	Icd Comment
					Frequency Modulation (ac)		
						1)	
					Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1)	
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	•1) •1,2)	
				16.5.1.5.1	Normal Surge Voltage (ac)		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)	
				16.5.1.7	Voltage DC Content (ac)	•1)	
				16.5.1.8	Voltage distortion (ac)	• ¹⁾	
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)	
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•1)	
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)	
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•1,2)	up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)	
				16.5.2.4	Loss of Phase Input (ac)	•1)	The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
			Category A(NF)	16.5.1.1	(1) Voltage and Frequency (ac)	• ¹⁾	
			[360 to 650 Hz]	16.5.1.2	Voltage Modulation (ac)	• ¹⁾	
			230V	16.5.1.3	Frequency Modulation (ac)	• ¹⁾	
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	•1)	
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	• ¹⁾	
				16.5.1.4d	Momentary Power Interrptions (ac) [Odditional Requirement]	 1) 	
				16.5.1.5.1	Normal Surge Voltage (ac)	• ^{1,2)}	up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)	
				16.5.1.6	Normal Frequency Variations (ac)	• ¹⁾	
				16.5.1.7	Voltage DC Content (ac)	•1)	
					Voltage distortion (ac)	•1)	
				16.5.1.8		•1)	
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	• 1)	
				16.5.2.2	Momentary Undervoltage Operation (ac)	1)	
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•1)	
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1,2)	
				16.5.2.3.3	Abnormal Frequency Variations (ac)		up to 360Vrms
				16.5.2.4	Loss of Phase Input (ac)	• ¹⁾	The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)	Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)	Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	● ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
			Category A(WF)	16.5.1.1	(1) Voltage and Frequency (ac)	• ¹⁾	
			[360 to 800 Hz]	16.5.1.2	Voltage Modulation (ac)	• ¹⁾	
			230V	16.5.1.3	Frequency Modulation (ac)	• ¹⁾	
				16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]	• ¹⁾	
				16.5.1.4c	Momentary Power Interrptions (ac) [Other Equipment]	• ¹⁾	
				16.5.1.4d	Momentary Power Interrptions (ac) [Additional Requirement]	• ¹⁾	
				16.5.1.5.1	Normal Surge Voltage (ac)	• ^{1,2)}	up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	• ¹⁾	
				16.5.1.6	Normal Frequency Variations (ac)	• ¹⁾	
				16.5.1.7	Voltage DC Content (ac)	• ¹⁾	
				16.5.1.8	Voltage distortion (ac)	•1)	
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)	
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)	
					Abnormal Surge Voltage (ac)	•1,2)	up to 360Vrms
					Abnormal Frequency Transients (ac)	•1)	
					Abnormal Frequency Variations (ac)	• 1)	
				16.5.2.3.3 16.5.2.4	Loss of Phase Input (ac)	1)	The phase disconnection must be done manually
						1,5)	
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H Allowable Phase Unbalance	•1,5)	Option NWBoard 3 Phase and Analyse License required
				16.7.2		•1,5)	Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)	Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5) •1,5)	Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
		DC	Category B	16.6.1.1	Voltage (Average Value dc)	•	
			14V	16.6.1.2	Ripple Voltage (dc)	•4)	 AMP200N1 + CN200N1 or CWS500N3 required
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•	
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•	

Power	Class / Range	Paragraph	Test	Net	Icd	Comment
		16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
		16.6.1.4	Normal Surge Voltage (dc)	•		
		16.6.2.1	Voltage Steady State (dc)	•		
						Option NWBoard / NWBoard 3 Phase and Analyse Licence required
	28V				•	AMP200N1 + CN200N1 or CWS500N3 required
						Option NWBoard / NWBoard 3 Phase and Analyse Licence required
						Option NWBoard / NWBoard 3 Phase and Analyse Licence required
	28V				•	AMP200N1 + CN200N1 or CWS500N3 required
			5			
						Option NWBoard / NWBoard 3 Phase and Analyse Licence required
						Option NWBoard / NWBoard 3 Phase and Analyse Licence required
	280				•	AMP200N1 + CN200N1 or CWS500N3 required
						Option NWBoard / NWBoard 3 Phase and Analyse Licence required
						Option NWBoard / NWBoard 3 Phase and Analyse Licence required
	2700				•	AMP200N1 + CN200N1 or CWS500N3 required
						The disconnection must be done manually
						NetWave as Source + external Measure with Scope
						Option NWBoard / NWBoard 3 Phase and Analyse Licence required
1.0						Option NWBoard / NWBoard 3 Phase and Analyse Licence required
AC		18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
						CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
				()		
		18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
	[360 to 650 Hz]					CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
	115V, 230V			0		
	Category K	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
	[360 to 800 Hz]					CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
					1	
	115V, 230V					
	115V, 230V Category R(CF)	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾	•	AMP200N1 + CN200N1 or CWS500N3 required
	115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
	AC	Category A 28V Category B 28V Category Z 28V AC Category K	AC Category K 16.6.2.2 16.6.2.3 16.6.2.4 16.6.1.1 16.7 16.6.1.30 16.6.1.30 16.6.1.31 16.6.1.31 16.6.1.32 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31 16.6.2.4 16.6.1.31 16.6.1.31 16.6.1.31 16.6.2.4 16.7.7 16.6.2 16.6.1.31 16.6.1.31 16.6.1.2 16.6.1.31 16.6.1.32 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31 16.6.2.4 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31 16.6.2.4 16.6.1.31 16.6.1.31 16.6.2.4 16.7.7 16.6.1.32 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31 16.6.2.4 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.32 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31 16.6.1.31	International Surge Voltage Conditions (dc) 16.6.2.3 Momentary Undervoltage Operation (dc) 16.7.5 Intrusth Current Requirements (ac and dc), Designation 1 16.6.1.1 Voltage (Average Value dc) 16.6.1.2 Ripple Voltage (dc) 16.6.1.3 Momentary Power Interruptions (dc) [Equipment with Digital Circuits] 16.6.1.3.6 Momentary Power Interruptions (dc) [Equipment] 16.6.1.3 Momentary Power Interruptions (dc) [Equipment] 16.6.1.3 Momentary Power Interruptions (dc) [Equipment] 16.6.1.4 Normal Surge Voltage (dc) 16.6.2.1 Voltage Steady State (dc) 16.6.2.2 Momentary Power Interruptions (dc) [Equipment with Digital Circuits] 16.6.1.1 Voltage Voltage (dc) 16.6.1.2 Ripple Voltage (dc) 16.6.1.3 Momentary Power Interruptions (dc) [Equipment with Digital Circuits] 16.6.1.3 Voltage Conditions (dc) 16.6.1.4 Voltage Conditions (dc) 16.6.2.5 Explore Straing Under Voltage Operation (dc) 16.6.1.4 Voltage Conditions (dc) 16.6.1.3 Voltage Conditions (dc) 16.6.1.4 Normal Surge Vo	Image: Second	Image: Second

Sta	andard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
			[360 to 650 Hz]					CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
			115V, 230V			0		
			Category R(WF)	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
			[360 to 800 Hz] 115V, 230V					CWS500N3 -> AC Net until 90V AC (max. Outputvoltage CWS500N3 7 Vrms)
		AC 3 Phase		18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾		AMP200N1 + CN200N1
			[400 Hz]					
			115V, 230V					
			Category K	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•4)		AMP200N1 + CN200N1
			[360 to 650 Hz] 115V, 230V					
			Category K	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•4)		AMP200N1 + CN200N1
			[360 to 800 Hz]					
			115V, 230V					
			Category R(CF)	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•4)		AMP200N1 + CN200N1
			[400 Hz] 115V, 230V					
			Category R(NF)	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•4)		AMP200N1 + CN200N1
			[360 to 650 Hz]	1019120				
			115V,230V					
			Category R(WF)	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•4)		AMP200N1 + CN200N1
			[360 to 800 Hz] 115V, 230V					
		DC	Category B	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
			14V					
			Category B	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾	•	AMP200N1 + CN200N1 or CWS500N3 required
			28V	18.3.1	Audia Fraguancy Conducted Succentibility Dower Inputs	•4)		AMD200N1 - CN200N1 or CW/SE00N2 required
			Category R 14V	10.5.1	Audio Frequency Conducted Susceptibility - Power Inputs	-	-	AMP200N1 + CN200N1 or CWS500N3 required
			Category R	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
			28V					
			Category Z	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
			14V Category Z	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)		AMP200N1 + CN200N1 or CWS500N3 required
			28V	10.9.1			-	
			Category Z	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs (Differential Mode)	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
			270V		Audio Frequency Conducted Susceptibility - Power Inputs (Common Mode)			
		AC	Category ZC	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
	napter 19) 007-12)		[400 Hz]	19.3.3 19.3.4	Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables			
(20	,0, 12)			19.3.5	Spikes induced into interconnecting cables			
			Category AC	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
			[400 Hz]	19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
			Cotogon, DC	19.3.5	Spikes induced into interconnecting cables Magnetic Fields induced into the equipment	_		NetWays as Course - Dedicting Wire
			Category BC [400 Hz]	19.3.1 19.3.5	Spikes induced into interconnecting cables			NetWave as Source + Radiating Wire
			Category CC	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
			[400 Hz]	19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
			Category ZN [350Hz - 650 Hz]	19.3.1 19.3.3	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables			NetWave as Source + Radiating Wire
			[55012-05012]	19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
			Category AN	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
			[350Hz - 650 Hz]	19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables Spikes induced into interconnecting cables			
			Category BN	19.3.5 19.3.1	Spikes induced into interconnecting cables Magnetic Fields induced into the equipment	_		NetWave as Source + Radiating Wire
			[350Hz - 650 Hz]	19.3.5	Spikes induced into interconnecting cables			netwave as source + Radiating wire
			Category CN	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
			[350Hz - 650 Hz]	19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
			Cotogon: 7M	19.3.5	Spikes induced into interconnecting cables	_		NatWaya as Causa - Dadiating Wire
			Category ZW [350Hz - 800 Hz]	19.3.1 19.3.3	Magnetic Fields induced into the equipment Magnetic Fields induced into interconnecting cables			NetWave as Source + Radiating Wire
			[55012 000112]	19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables		1	

Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
		Category AW	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
		[350Hz - 800 Hz]	19.3.3	Magnetic Fields induced into interconnecting cables			
			19.3.4	Electric Fields induced into interconnecting cables			
			19.3.5	Spikes induced into interconnecting cables			
		Category BW	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
		[350Hz - 800 Hz]	19.3.5	Spikes induced into interconnecting cables			
		Category CW	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
		[350Hz - 800 Hz]	19.3.3	Magnetic Fields induced into interconnecting cables			
			19.3.4	Electric Fields induced into interconnecting cables			
			19.3.5	Spikes induced into interconnecting cables			
RCTA DO-160F		Category M	20.4	Conducted Susceptibility (CS) Test			CWS500N2
(Chapter 20)		Category R	20.4	Conducted Susceptibility (CS) Test		•	
(2007-12)		Category O	20.4	Conducted Susceptibility (CS) Test			CWS500N2
		Category S	20.4	Conducted Susceptibility (CS) Test		•	
		Category T	20.4	Conducted Susceptibility (CS) Test Conducted Susceptibility (CS) Test		•	CWS500N2
		Category W	20.4	Conducted Susceptibility (CS) Test			CWS500N2 CWS500N2
RCTA DO-160G	A.C.	Category Y Category A(CF)		(1) Voltage and Frequency (ac)	•	-	CW5500N2
(Chapter 16)	AC	[400 Hz]	16.5.1.1 16.5.1.1	(2) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions]			
(2010-12)		115V	16.5.1.2	Voltage Modulation (ac)			
(2010-12)		1150	16.5.1.3	Frequency Modulation (ac)			
			16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]			
			16.5.1.5.1	Normal Surge Voltage (ac)			
			16.5.1.5.2	Normal Frequency Transients (ac)	•		
			16.5.1.7	Voltage DC Content (ac)	•		
			16.5.1.8	Voltage distortion (ac)	•		
			16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
			16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•		
			16.5.2.2	Momentary Undervoltage Operation (ac)	•		
			16.5.2.3.1	Abnormal Surge Voltage (ac)	•		
			16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
			16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.8	Power Factor (All ac Equipment), Designation P	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Category A(NF)	16.5.1.1	(1) Voltage and Frequency (ac)	•		
		[360 to 650 Hz]	16.5.1.2	Voltage Modulation (ac)	•		
		115V	16.5.1.3	Frequency Modulation (ac)	•		
			16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
			16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•		
			16.5.1.5.1	Normal Surge Voltage (ac)	•		
			16.5.1.5.2	Normal Frequency Transients (ac)	•		
			16.5.1.6	Normal Frequency Variations (ac) Voltage DC Content (ac)	•		
			16.5.1.7 16.5.1.8	Voltage distortion (ac)			
			16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)			
			16.5.2.2	Momentary Undervoltage Operation (ac)	•		
			16.5.2.3.1	Abnormal Surge Voltage (ac)			
			16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
			16.5.2.3.3	Abnormal Frequency Variations (ac)	•		
			16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.8	Power Factor (All ac Equipment), Designation P	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Category A(WF)	16.5.1.1	(1) Voltage and Frequency (ac)	•		
		[360 to 800 Hz]	16.5.1.2	Voltage Modulation (ac)	•		
		115V	16.5.1.3	Frequency Modulation (ac)	•		
			16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
			16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•		
			16.5.1.5.1	Normal Surge Voltage (ac)	•		
			16.5.1.5.2	Normal Frequency Transients (ac)	•		
			16.5.1.6	Normal Frequency Variations (ac)	•		
			16.5.1.7	Voltage DC Content (ac)	•		
			16.5.1.8	Voltage distortion (ac)	•		
			16.5.2.1b 16.5.2.2	Abnormal Voltage and Frequency Limits in Steady State (ac) Momentary Undervoltage Operation (ac)	•		

Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
			16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
			16.5.2.3.3	Abnormal Frequency Variations (ac)	•		
			16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.8	Power Factor (All ac Equipment), Designation P	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Cotogon: A(CE)			•		option wwboard / wwboard) Filase and Anatyse Licence required
		Category A(CF)	16.5.1.1	(1) Voltage and Frequency (ac)			
		[400 Hz]	16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•		
		230V	16.5.1.2	Voltage Modulation (ac)	•		
			16.5.1.3	Frequency Modulation (ac)	•		
			16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
			16.5.1.5.1	Normal Surge Voltage (ac)	• ²⁾		up to 340Vrms
			16.5.1.5.2	Normal Frequency Transients (ac)	•		
			16.5.1.7	Voltage DC Content (ac)	•		
			16.5.1.8	Voltage distortion (ac)	•		
			16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
					•		
			16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]			
			16.5.2.2	Momentary Undervoltage Operation (ac)	•		
			16.5.2.3.1	Abnormal Surge Voltage (ac)	• ²⁾		up to 360Vrms
			16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
			16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.8	Power Factor (All ac Equipment), Designation P	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Category A(NF)	16.5.1.1	(1) Voltage and Frequency (ac)	•		
				Voltage Modulation (ac)	•		
		[360 to 650 Hz]	16.5.1.2				
		230V	16.5.1.3	Frequency Modulation (ac)	•		
			16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
			16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•		
			16.5.1.5.1	Normal Surge Voltage (ac)	• ²⁾		up to 340Vrms
			16.5.1.5.2	Normal Frequency Transients (ac)	•		
			16.5.1.6	Normal Frequency Variations (ac)	•		
			16.5.1.7	Voltage DC Content (ac)	•		
			16.5.1.8	Voltage distortion (ac)	•		
			16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
			16.5.2.2	Momentary Undervoltage Operation (ac)	•		
			16.5.2.3.1		• 2)		up to 360Vrms
				Abnormal Surge Voltage (ac)			
			16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
			16.5.2.3.3	Abnormal Frequency Variations (ac)	•		
			16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.8	Power Factor (All ac Equipment), Designation P	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Category A(WF)	16.5.1.1	(1) Voltage and Frequency (ac)	•		
		[360 to 800 Hz]	16.5.1.2	Voltage Modulation (ac)	•		
		230V					
		2500	16.5.1.3	Frequency Modulation (ac)			
			16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
			16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•		
			16.5.1.5.1	Normal Surge Voltage (ac)	• ²⁾		up to 340Vrms
			16.5.1.5.2	Normal Frequency Transients (ac)	•		
			16.5.1.6	Normal Frequency Variations (ac)	•		
			16.5.1.7	Voltage DC Content (ac)	•		
			16.5.1.8	Voltage distortion (ac)	•		
			16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
			16.5.2.2	Momentary Undervoltage Operation (ac)	•		
			16.5.2.3-1	Abnormal Surge Voltage (ac)	• 2)		up to 360Vrms
			16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
			16.5.2.3.3	Abnormal Frequency Variations (ac)	•		
			16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.8	Power Factor (All ac Equipment), Designation P	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
	AC 3 Phas	e Category A(CF)	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		To paran misoura y misoura y muse ana Anatyse Electice required
	AC 5 Filds				• 1)		
		[400 Hz] 115V	16.5.1.1 16.5.1.2	(2) Voltage and Frequency (ac) [Operate under emergency conditions] Voltage Modulation (ac)	• */		

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	• ¹⁾		
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	• 1) • 1)		
				16.5.2.1d 16.5.2.2	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional] Momentary Undervoltage Operation (ac)	• 1)		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•1)		
1				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)		The phase disconnection must be done manually
1				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
1				16.7.2	Allowable Phase Unbalance	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
			Cotto and a (ALE)	16.7.8	Power Factor (All ac Equipment), Designation P	•1,5) •1)		Option NWBoard 3 Phase and Analyse License required
			Category A(NF)	16.5.1.1	(1) Voltage and Frequency (ac) Voltage Modulation (ac)	•1)		
			[360 to 650 Hz] 115V	16.5.1.2 16.5.1.3	Frequency Modulation (ac)	• 1)		
			11.50	16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	• 1)		
				16.5.1.4c	Momentary Power Interriptions (ac) [Additional Requirement]	•1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	• ¹⁾		
				16.5.1.5.2	Normal Frequency Transients (ac)	• ¹⁾		
				16.5.1.6	Normal Frequency Variations (ac)	• ¹⁾		
				16.5.1.7	Voltage DC Content (ac)	• 1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	• 1) • 1)		
				16.5.2.3.1	Abnormal Surge Voltage (ac) Abnormal Frequency Transients (ac)	•1)		
				16.5.2.3.2 16.5.2.3.3	Abnormal Frequency Variations (ac)	• 1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•1,5) •1)		Option NWBoard 3 Phase and Analyse License required
			Category A(WF)	16.5.1.1	(1) Voltage and Frequency (ac)	• ¹ / • ¹ /		
1			[360 to 800 Hz] 115V	16.5.1.2 16.5.1.3	Voltage Modulation (ac) Frequency Modulation (ac)	•1)		
			1150	16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•1)		
1				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	• 1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	• ¹⁾		
				16.5.1.5.2	Normal Frequency Transients (ac)	•1)		
				16.5.1.6	Normal Frequency Variations (ac)	• ¹⁾		
				16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	• ¹⁾		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	• 1) • 1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	• 1)		
				16.5.2.3-1 16.5.2.3.2	Abnormal Surge Voltage (ac) Abnormal Frequency Transients (ac)	•1)		
				16.5.2.3.2	Abnormal Frequency Variations (ac)	1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
			Category A(CF)	16.5.1.1	(1) Voltage and Frequency (ac)	• 1) • 1)		
			[400 Hz] 230V	16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	• 1)		
			2500	16.5.1.2 16.5.1.3	Voltage Modulation (ac) Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	1)		
				16.5.1.5.1	Normal Surge Voltage (ac)	•1,2)		up to 340Vrms

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
iicu			ettess / hullge	16.5.1.7	Voltage DC Content (ac)	•1)		
				16.5.1.8	Voltage distortion (ac)	•1)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	• 1)		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	1,2)		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	 1,5) 		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	 1,5) 		Option NWBoard 3 Phase and Analyse License required
			Category A(NF)	16.5.1.1	(1) Voltage and Frequency (ac)	• ¹⁾		
			[360 to 650 Hz]	16.5.1.2	Voltage Modulation (ac)	• ¹⁾		
			230V	16.5.1.3	Frequency Modulation (ac)	• ¹⁾		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	• ¹⁾		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	• ¹⁾		
				16.5.1.5.1	Normal Surge Voltage (ac)	• ^{1,2)}		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	• ¹⁾		
				16.5.1.6	Normal Frequency Variations (ac)	• ¹⁾		
				16.5.1.7	Voltage DC Content (ac)	• 1)		
				16.5.1.8	Voltage distortion (ac)	• ¹⁾		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	• 1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	• ¹⁾		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	• ^{1,2)}		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	• ¹⁾		
				16.5.2.4	Loss of Phase Input (ac)	• ¹⁾		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	•1,5) •1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	-		Option NWBoard 3 Phase and Analyse License required
			Category A(WF)	16.5.1.1	(1) Voltage and Frequency (ac)	• 1) • 1)		
			[360 to 800 Hz]	16.5.1.2	Voltage Modulation (ac)	• ¹⁾ • ¹⁾		
			230V	16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	• ¹ /		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	1,2)		un to 2401/mms
				16.5.1.5.1 16.5.1.5.2	Normal Surge Voltage (ac) Normal Frequency Transients (ac)	•1)		up to 340Vrms
				16.5.1.6	Normal Frequency Variations (ac)	•1)		
				16.5.1.7	Voltage DC Content (ac)	1)		
				16.5.1.8	Voltage distortion (ac)	1)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	• 1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3-1	Abnormal Surge Voltage (ac)	 1,2) 		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	• ¹⁾		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	 1) 		
				16.5.2.4	Loss of Phase Input (ac)	• ¹⁾		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	● ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	 ^{1,5)} 		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
		DC	Category B	16.6.1.1	Voltage (Average Value dc)	•		
			14V	16.6.1.2	Ripple Voltage (dc)	• ⁴⁾	٠	AMP200N1 + CN200N1 or CWS500N3 required
				16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
				16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
				16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.2	Low Voltage Conditions (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required

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Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
		Category A	16.6.1.1	Voltage (Average Value dc)	•		
		28V	16.6.1.2 16.6.1.3b	Ripple Voltage (dc) Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
			16.6.1.3D 16.6.1.3c	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]			
			16.6.1.3d	Momentary Power Interruptions (dc) [All Equipment] [Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]			
			16.6.1.4	Normal Surge Voltage (dc)	•		
			16.6.2.1	Voltage Steady State (dc)	•		
			16.6.2.3	Momentary Undervoltage Operation (dc)	•		
			16.6.2.4	Abnormal Surge Voltage (dc)	•		
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.7	DC Current Ripple tests (dc), Designation R	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Category B 28V	16.6.1.1 16.6.1.2	Voltage (Average Value dc) Ripple Voltage (dc)	• • ⁴⁾		AMP200N1 + CN200N1 or CWS500N3 required
		200	16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]			Amr 200M1 + Ch200M1 of CW3500M5 required
			16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
			16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
			16.6.1.4	Normal Surge Voltage (dc)	•		
			16.6.1.5	Engine Starting Under Voltage Operation (dc)	•		
			16.6.2.1	Voltage Steady State (dc)	•		
			16.6.2.2	Low Voltage Conditions (dc)	•	_	
			16.6.2.3 16.6.2.4	Momentary Undervoltage Operation (dc) Abnormal Surge Voltage (dc)	•		
			16.7.5	Inrush Current Requirements (ac and dc), Designation I			Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.7	DC Current Ripple tests (dc), Designation R	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Category Z	16.6.1.1	Voltage (Average Value dc)	•		
		28V	16.6.1.2	Ripple Voltage (dc)	• ⁴⁾	•	AMP200N1 + CN200N1 or CWS500N3 required
			16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•		
			16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•		
			16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
			16.6.1.4 16.6.1.5	Normal Surge Voltage (dc) Engine Starting Under Voltage Operation (dc)	•		
			16.6.2.1	Voltage Steady State (dc)			
			16.6.2.3	Momentary Undervoltage Operation (dc)	•		
			16.6.2.4	Abnormal Surge Voltage (dc)	•		
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.7	DC Current Ripple tests (dc), Designation R	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Category D	16.6.1.1	Voltage (Average Value dc)	•		
		270V	16.6.1.2	Ripple Voltage (dc)	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
			16.6.1.3b 16.6.1.3c	Momentary Power Interruptions (dc) [Equipment with Digital Circuits] Momentary Power Interruptions (dc) [All Equipment]	•		
			16.6.1.3d	Momentary Power Interruptions (dc) [Att Equipment] Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
			16.6.1.4	Normal Surge Voltage (dc)	•		
			16.6.1.6	Exposed Voltage Decay Time (dc, Category D Equipment Only)	•		The disconnection must be done manually
			16.6.2.1	Voltage Steady State (dc)	•		
			16.6.2.3	Momentary Undervoltage Operation (dc)	•		
			16.6.2.4	Abnormal Surge Voltage (dc)	•		
			16.7.4	Regnerated Energy (dc, Category D Equipment Only)	•		NetWave as Source + external Scope
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required Option NWBoard / NWBoard 3 Phase and Analyse Licence required
RCTA DO-16	DG AC	Category K	16.7.7 18.3.2a	DC Current Ripple tests (dc), Designation R Audio Frequency Conducted Susceptibility - Power Inputs	•4)		AMP200N1 + CN200N1
(Chapter 18) (2010-12)		[400 Hz] 115V, 230V	10.9.20		-		
		Category K	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾		AMP200N1 + CN200N1
		[360 to 650 Hz] 115V, 230V					
		Category K	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾		AMP200N1 + CN200N1
		[360 to 800 Hz]					
		115V, 230V	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•4)		AMP200N1 + CN200N1
		Category R(CF) [400 Hz]	10.3.2d	Audio rrequency conducted susceptibility - Power inputs	• *		
		115V, 230V					
		Category R(NF)	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾		AMP200N1 + CN200N1
		[360 to 650 Hz] 115V, 230V					
		Category R(WF)	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾		AMP200N1 + CN200N1
		[360 to 800 Hz]					
		115V, 230V			(Å)		
	AC 3 Phas	e Category K [400 Hz]	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾		AMP200N1 + CN200N1

PC		DC	115V, 230V Category K [360 to 650 Hz] 115V, 230V Category K [360 to 800 Hz] 115V, 230V Category R(CF) [400 Hz] 115V, 230V Category R(CF) [360 to 650 Hz] 115V, 230V Category R(NF) [360 to 650 Hz] 115V, 230V Category R(WF) [360 to 800 Hz] 115V, 230V Category R(WF) [360 to 800 Hz] 115V, 230V Category R [44V Category B 28V Category R 14V Category R	18.3.2b 18.3.2c 18.3.2a 18.3.2b 18.3.2b 18.3.2c 18.3.1 18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs Audio Frequency Conducted Susceptibility - Power Inputs	•4) •4) •4) •4) •4) •4) •4) •4) •4) •4)	•	AMP200N1 + CN200N1 AMP200N1 + CN200N1 AMP200N1 + CN200N1 AMP200N1 + CN200N1 AMP200N1 + CN200N1 AMP200N1 + CN200N1 or CWS500N3 required
PC		DC	Category K [360 to 650 Hz] 115V, 230V Category K [360 to 800 Hz] 115V, 230V Category R(CF) [400 Hz] 115V, 230V Category R(NF) [360 to 650 Hz] 115V, 230V Category R(WF) [360 to 800 Hz] 115V, 230V Category B 14V Category B 14V Category B 28V Category R 14V	 18.3.2c 18.3.2a 18.3.2b 18.3.2c 18.3.1 18.3.1 	Audio Frequency Conducted Susceptibility - Power Inputs	• 4) • 4) • 4) • 4) • 4) • 4) • 4)	•	AMP200N1 + CN200N1 AMP200N1 + CN200N1 AMP200N1 + CN200N1 AMP200N1 + CN200N1
PC		DC	115V, 230V Category K [360 to 800 Hz] 115V, 230V Category R(CF) [400 Hz] 115V, 230V Category R(VF) [360 to 650 Hz] 115V, 230V Category R(WF) [360 to 650 Hz] 115V, 230V Category R(WF) [360 to 800 Hz] 115V, 230V Category B 14V Category B 28V Category R 14V	18.3.2a 18.3.2b 18.3.2c 18.3.1 18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾ • ⁴⁾ • ⁴⁾	•	AMP200N1 + CN200N1 AMP200N1 + CN200N1 AMP200N1 + CN200N1
PC		DC	Category K [360 to 800 Hz] 115V, 230V Category R(CF) [400 Hz] 115V, 230V Category R(NF) [360 to 650 Hz] 115V, 230V Category R(WF) [360 to 800 Hz] 115V, 230V Category B 14V Category B 14V Category B 28V Category R 28V Category R	18.3.2a 18.3.2b 18.3.2c 18.3.1 18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾ • ⁴⁾ • ⁴⁾		AMP200N1 + CN200N1 AMP200N1 + CN200N1 AMP200N1 + CN200N1
PC		DC	[360 to 800 Hz] 115V, 230V Category R(CF) [400 Hz] 115V, 230V Category R(NF) [360 to 650 Hz] 115V, 230V Category R(WF) [360 to 800 Hz] 115V, 230V Category B 14V Category B 28V Category R 14V	18.3.2a 18.3.2b 18.3.2c 18.3.1 18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾ • ⁴⁾ • ⁴⁾		AMP200N1 + CN200N1 AMP200N1 + CN200N1 AMP200N1 + CN200N1
PC		DC	115V, 230V Category R(CF) [400 H2] 115V, 230V Category R(NF) [360 to 650 H2] 115V, 230V Category R(WF) [360 to 800 H2] 115V, 230V Category B 14V Category B 14V Category B 28V Category R 14V	18.3.2b 18.3.2c 18.3.1 18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs Audio Frequency Conducted Susceptibility - Power Inputs Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾		AMP200N1 + CN200N1 AMP200N1 + CN200N1
PC		DC	Category R(CF) [400 H2] 115V, 230V Category R(NF) [360 to 650 Hz] 115V, 230V Category R(WF) [360 to 800 Hz] 115V, 230V Category B 14V Category B 28V Category R 14V	18.3.2b 18.3.2c 18.3.1 18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs Audio Frequency Conducted Susceptibility - Power Inputs Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾		AMP200N1 + CN200N1 AMP200N1 + CN200N1
PC		DC	[400 Hz] 115V, 230V Category R(NF) [360 to 650 Hz] 115V, 230V Category R(WF) [360 to 800 Hz] 115V, 230V Category B 14V Category B 28V Category R 14V	18.3.2b 18.3.2c 18.3.1 18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs Audio Frequency Conducted Susceptibility - Power Inputs Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾	•	AMP200N1 + CN200N1 AMP200N1 + CN200N1
PC		DC	115V, 230V Category R(NF) [360 to 650 Hz] 115V, 230V Category R(WF) [360 to 800 Hz] 115V, 230V Category B 14V Category B 28V Category R 14V	18.3.2c 18.3.1 18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1
PC		DC	Category R(NF) [360 to 650 Hz] 115V, 230V Category R(WF) [360 to 800 Hz] 115V, 230V Category B 14V Category B 28V Category R 14V	18.3.2c 18.3.1 18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1
PC		DC	[360 to 650 Hz] 115V, 230V Category R(WF) [360 to 800 Hz] 115V, 230V Category B 14V Category B 28V Category R 14V	18.3.2c 18.3.1 18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1
PC		DC	115V, 230V Category R(WF) [360 to 800 Hz] 115V, 230V Category B 14V Category B 28V Category R 14V	18.3.1 18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	
PC		DC	Category R(WF) [360 to 800 Hz] 115V, 230V Category B 14V Category B 28V Category R 14V	18.3.1 18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	
P.C.		DC	[360 to 800 Hz] 115V, 230V Category B 14V Category B 28V Category R 14V	18.3.1 18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	
PC		DC	115V, 230V Category B 14V Category B 28V Category R 14V	18.3.1			•	AMP200N1 + CN200N1 or CWS500N3 required
P."		DC	Category B 14V Category B 28V Category R 14V	18.3.1			•	AMP200N1 + CN200N1 or CWS500N3 required
RC			14V Category B 28V Category R 14V	18.3.1				
RC			Category B 28V Category R 14V		Audio Frequency Conducted Susceptibility - Power Inputs	4)		
RC			28V Category R 14V		······································		•	AMP200N1 + CN200N1 or CWS500N3 required
RC			Category R 14V	18.3.1				
RC			14V		Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
PC			Category R		a contraction of the second			
RC				18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
RC			28V					
RC			Category Z	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
RC			14V					
RC			Category Z	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
RC			28V					
RC			Category Z	18.3.1	Audio Frequency Conducted Susceptibility - Power Inputs (Differential Mode)	•4)	•	AMP200N1 + CN200N1 or CWS500N3 required
RC			270V		Audio Frequency Conducted Susceptibility - Power Inputs (Common Mode)			
		AC	Category ZC	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
A 1	hapter 19)		[400 Hz]	19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
(20	010-12)			19.3.3	Magnetic Fields induced into interconnecting cables	_	_	
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables	_		
			Category AC	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
			[400 Hz]	19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3 19.3.4	Magnetic Fields induced into interconnecting cables Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
			Category BC	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
			[400 Hz]	19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
			[400112]	19.3.5	Spikes induced into interconnecting cables			
			Category CC	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
			[400 Hz]	19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
			Category ZN	19.3.1	Magnetic Fields induced into the equipment		1	NetWave as Source + Radiating Wire
			[350Hz - 650 Hz]	19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
			Category AN	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
			[350Hz - 650 Hz]	19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
				19.3.5	Spikes induced into interconnecting cables			
			Category BN	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
			[350Hz - 650 Hz]	19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.5	Spikes induced into interconnecting cables			
			Category CN	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
			[350Hz - 650 Hz]	19.3.2	Electric Fields induced into the equipment			NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables			
				19.3.4	Electric Fields induced into interconnecting cables			
			Cotogon, 7M	19.3.5	Spikes induced into interconnecting cables			NatWaya as Causa - Dadiating Wire
			Category ZW	19.3.1	Magnetic Fields induced into the equipment			NetWave as Source + Radiating Wire
			[350Hz - 800 Hz]	19.3.2 19.3.3	Electric Fields induced into the equipment Magnetic Fields induced into interconnecting cables			NetWave as Source + Radiating Wire

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd Comment
				19.3.4	Electric Fields induced into interconnecting cables		
				19.3.5	Spikes induced into interconnecting cables		
			Category AW	19.3.1	Magnetic Fields induced into the equipment		NetWave as Source + Radiating Wire
			[350Hz - 800 Hz]	19.3.2	Electric Fields induced into the equipment		NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables		
				19.3.4	Electric Fields induced into interconnecting cables		
			Category BW	19.3.5 19.3.1	Spikes induced into interconnecting cables Magnetic Fields induced into the equipment		NetWave as Source + Radiating Wire
			[350Hz - 800 Hz]	19.3.2	Electric Fields induced into the equipment		NetWave as Source + Radiating Wire
			[55012 000112]	19.3.5	Spikes induced into interconnecting cables		Netwave as source + Radiating wite
			Category CW	19.3.1	Magnetic Fields induced into the equipment		NetWave as Source + Radiating Wire
			[350Hz - 800 Hz]	19.3.2	Electric Fields induced into the equipment		NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables		
				19.3.4	Electric Fields induced into interconnecting cables		
				19.3.5	Spikes induced into interconnecting cables		
D-14	ED-14G	AC	Category A(CF)	16.5.1.1	(1) Voltage and Frequency (ac)	•	
	(Chapter 16)		[400 Hz]	16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•	
	(2011-05)		115V	16.5.1.2	Voltage Modulation (ac) Frequency Modulation (ac)	•	
				16.5.1.3 16.5.1.4b	Momentary Power Interrptions (ac) [Equipment with Digital Circuits]		
				16.5.1.40	Normal Surge Voltage (ac)		
				16.5.1.5.2	Normal Frequency Transients (ac)	•	
				16.5.1.7	Voltage DC Content (ac)	•	
				16.5.1.8	Voltage distortion (ac)	•	
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•	
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•	
				16.5.2.2	Momentary Undervoltage Operation (ac)	•	
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•	
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•	
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• ⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5 16.7.6	Inrush Current Requirements (ac and dc), Designation I Current Modulation in Steady-State Operation (ac), Designation I	• 5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	• 5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(NF)	16.5.1.1	(1) Voltage and Frequency (ac)	•	
			[360 to 650 Hz]	16.5.1.2	Voltage Modulation (ac)	•	
			115V	16.5.1.3	Frequency Modulation (ac)	•	
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•	
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•	
				16.5.1.5.1	Normal Surge Voltage (ac)	•	
				16.5.1.5.2	Normal Frequency Transients (ac)	•	
				16.5.1.6	Normal Frequency Variations (ac)	•	
				16.5.1.7 16.5.1.8	Voltage DC Content (ac) Voltage distortion (ac)		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•	
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•	
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•	
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•	
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• ⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Catagony A(ME)	16.7.8	Power Factor (All ac Equipment), Designation P	• 3)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(WF) [360 to 800 Hz]	16.5.1.1 16.5.1.2	(1) Voltage and Frequency (ac) Voltage Modulation (ac)	•	
			115V	16.5.1.3	Frequency Modulation (ac)		
			1151	16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•	
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•	
				16.5.1.5.1	Normal Surge Voltage (ac)	•	
				16.5.1.5.2	Normal Frequency Transients (ac)	•	
				16.5.1.6	Normal Frequency Variations (ac)	•	
				16.5.1.7	Voltage DC Content (ac)	•	
				16.5.1.8	Voltage distortion (ac)	•	
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•	
				16.5.2.2	Momentary Undervoltage Operation (ac)	•	
				16.5.2.3-1	Abnormal Surge Voltage (ac)	•	
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•	

Area	Standard	Dowor	Class / Panga	Daragraph	Test	Not	led	Commont
Area	Standard	Power	Class / Range	Paragraph	Test	Net	ICa	Comment
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(CF)	16.5.1.1	(1) Voltage and Frequency (ac)	•		
			[400 Hz]	16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	•		
			230V	16.5.1.2	Voltage Modulation (ac)	•		
				16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	• ²⁾		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•	_	
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	• • ²⁾	_	
				16.5.2.3.1	Abnormal Surge Voltage (ac)	_		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	• • ⁵⁾	_	
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	• ³		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Coto anna A (ALE)	16.7.8	Power Factor (All ac Equipment), Designation P			Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(NF)	16.5.1.1	(1) Voltage and Frequency (ac)	•		
			[360 to 650 Hz]	16.5.1.2	Voltage Modulation (ac)	•		
			230V	16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	•		
				16.5.1.5.1	Normal Surge Voltage (ac)	• ²⁾		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	•		
				16.5.1.6	Normal Frequency Variations (ac)	•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•		
				16.5.2.2	Momentary Undervoltage Operation (ac)	• 2)		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	•-/	_	up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	• • ⁵⁾		Outline NUMP and (NUMP and 2 Disease and Analysis Lisense required
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	• ⁵)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Cata and A (ME)	16.7.8	Power Factor (All ac Equipment), Designation P	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A(WF)	16.5.1.1	(1) Voltage and Frequency (ac)			
			[360 to 800 Hz]	16.5.1.2	Voltage Modulation (ac)			
			230V	16.5.1.3	Frequency Modulation (ac)	•		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement] Normal Surge Voltage (ac)	• 2)		up to 2 (0)/rmc
				16.5.1.5.1		•		up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac) Normal Frequency Variations (ac)			
				16.5.1.6		•		
				16.5.1.7	Voltage DC Content (ac)	•		
				16.5.1.8	Voltage distortion (ac)	•		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)			
				16.5.2.2 16.5.2.3-1	Momentary Undervoltage Operation (ac) Abnormal Surge Voltage (ac)	2)		up to 360Vrms
						•=/		
				16.5.2.3.2 16.5.2.3.3	Abnormal Frequency Transients (ac) Abnormal Frequency Variations (ac)			
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				16.7.8	Power Factor (All ac Equipment), Designation P	5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		AC 3 Phase	Category A(CF)	16.5.1.1	(1) Voltage and Frequency (ac)	1)	_	option wwboard / wwboard) Fliase and Analyse Licence required
		AC 5 Fliase	[400 Hz]	16.5.1.1	(2) Voltage and Frequency (ac) (2) Voltage and Frequency (ac) [Operate under emergency conditions]	•1)		
			115V	16.5.1.1	Voltage Modulation (ac)	1)		
			11.5 V	16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•1)		
				10.5.1.40	ואסאויבוזנמוץ ו טשפו ווונפורףנוטווס (מכ) נאנו מכ פעעוףוופוונן	I ■ .	I	1

Standard	Power	Class / Range	Paragraph	Test	Net	Icd Comment
			16.5.1.5.1	Normal Surge Voltage (ac)	•1)	
			16.5.1.5.2	Normal Frequency Transients (ac)	•1)	
			16.5.1.7	Voltage DC Content (ac)	•1)	
			16.5.1.8	Voltage distortion (ac)	•1)	
			16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)	
			16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	• ¹⁾	
			16.5.2.2	Momentary Undervoltage Operation (ac)	• 1)	
			16.5.2.3.1	Abnormal Surge Voltage (ac)	• ¹⁾	
			16.5.2.3.2	Abnormal Frequency Transients (ac)	• ¹⁾	
			16.5.2.4	Loss of Phase Input (ac)	• ¹⁾	The phase disconnection must be done manually
			16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
			16.7.2	Allowable Phase Unbalance	 1,5) 	Option NWBoard 3 Phase and Analyse License required
			16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
			16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	 1,5) 	Option NWBoard 3 Phase and Analyse License required
			16.7.8	Power Factor (All ac Equipment), Designation P	 1,5) 	Option NWBoard 3 Phase and Analyse License required
		Category A(NF)	16.5.1.1	(1) Voltage and Frequency (ac)	•1)	
		[360 to 650 Hz]	16.5.1.2	Voltage Modulation (ac)	• ¹⁾	
		115V	16.5.1.3	Frequency Modulation (ac)	•1)	
		1194	16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•1)	
			16.5.1.4c	Momentary Power Interriptions (ac) [Additional Requirement]	•1)	
			16.5.1.5.1	Normal Surge Voltage (ac)	1)	
			16.5.1.5.2	Normal Frequency Transients (ac)	• 1)	
					• 1)	
			16.5.1.6	Normal Frequency Variations (ac)	•1)	
			16.5.1.7	Voltage DC Content (ac)	•1)	
			16.5.1.8	Voltage distortion (ac)	•1)	
			16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)		
			16.5.2.2	Momentary Undervoltage Operation (ac)	•1)	
			16.5.2.3.1	Abnormal Surge Voltage (ac)	•1)	
			16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)	
			16.5.2.3.3	Abnormal Frequency Variations (ac)	•1)	
			16.5.2.4	Loss of Phase Input (ac)	•1)	The phase disconnection must be done manually
			16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
			16.7.2	Allowable Phase Unbalance	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
			16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
			16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
			16.7.8	Power Factor (All ac Equipment), Designation P	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
		Category A(WF)	16.5.1.1	(1) Voltage and Frequency (ac)	•1)	
		[360 to 800 Hz]	16.5.1.2	Voltage Modulation (ac)	• ¹⁾	
		115V	16.5.1.3	Frequency Modulation (ac)	• ¹⁾	
			16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	• ¹⁾	
			16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	• ¹⁾	
			16.5.1.5.1	Normal Surge Voltage (ac)	• ¹⁾	
			16.5.1.5.2	Normal Frequency Transients (ac)	• ¹⁾	
			16.5.1.6	Normal Frequency Variations (ac)	•1)	
			16.5.1.7	Voltage DC Content (ac)	•1)	
			16.5.1.8	Voltage distortion (ac)	•1)	
			16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)	
			16.5.2.2	Momentary Undervoltage Operation (ac)	•1)	
			16.5.2.3-1	Abnormal Surge Voltage (ac)	•1)	
			16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)	
			16.5.2.3.3	Abnormal Frequency Variations (ac)	•1)	
			16.5.2.4	Loss of Phase Input (ac)	1)	The phase disconnection must be done manually
			16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)	Option NWBoard 3 Phase and Analyse License required
				Allowable Phase Unbalance	• 1,5)	
			16.7.2		1,5)	Option NWBoard 3 Phase and Analyse License required Option NWBoard 3 Phase and Analyse License required
			16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)	Option NWB0ard 3 Phase and Analyse License required
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)	
			16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• 1,5) • 1,5)	Option NWBoard 3 Phase and Analyse License required
		Cotogony A(CF)	16.7.8	Power Factor (All ac Equipment), Designation P	•1,5)	Option NWBoard 3 Phase and Analyse License required
		Category A(CF)	16.5.1.1	(1) Voltage and Frequency (ac)		
		[400 Hz]	16.5.1.1	(2) Voltage and Frequency (ac) [Operate under emergency conditions]	• ¹⁾	
		230V	16.5.1.2	Voltage Modulation (ac)	•1)	
			16.5.1.3	Frequency Modulation (ac)	•1)	
			16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•1)	
			16.5.1.5.1	Normal Surge Voltage (ac)	• ^{1,2)}	up to 340Vrms
			16.5.1.5.2 16.5.1.7	Normal Frequency Transients (ac) Voltage DC Content (ac)	• 1) • 1)	

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd (Comment
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.1d	Abnormal Voltage and Frequency Limits in Steady State (ac) [Additional]	• 1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	• ^{1,2)}	L	up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.4	Loss of Phase Input (ac)	• ¹⁾	1	The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	• ^{1,5)}	0	Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	• ^{1,5)}	0	Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	• ^{1,5)}	0	Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	• 1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	•1,5)	(Option NWBoard 3 Phase and Analyse License required
			Category A(NF)	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
			[360 to 650 Hz]	16.5.1.2	Voltage Modulation (ac)	•1) •1)		
			230V	16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	•1)		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	1,2)		
				16.5.1.5.1	Normal Surge Voltage (ac) Normal Frequency Transients (ac)	1)	l	up to 340Vrms
				16.5.1.5.2		• 1)		
				16.5.1.6	Normal Frequency Variations (ac) Voltage DC Content (ac)	•1)		
				16.5.1.7		•1)		
				16.5.1.8 16.5.2.1b	Voltage distortion (ac) Abnormal Voltage and Frequency Limits in Steady State (ac)	• 1)		
				16.5.2.10	Momentary Undervoltage Operation (ac)	• 1)		
				16.5.2.3.1	Abnormal Surge Voltage (ac)	1,2)		up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		ap to 500 millio
				16.5.2.3.3	Abnormal Frequency Variations (ac)	• 1)		
				16.5.2.4	Loss of Phase Input (ac)	•1)	1	The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	 1,5) 		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I	 1,5) 		Option NWBoard 3 Phase and Analyse License required
				16.7.8	Power Factor (All ac Equipment), Designation P	 1,5) 		Option NWBoard 3 Phase and Analyse License required
			Category A(WF)	16.5.1.1	(1) Voltage and Frequency (ac)	•1)		
			[360 to 800 Hz]	16.5.1.2	Voltage Modulation (ac)	•1)		
			230V	16.5.1.3	Frequency Modulation (ac)	•1)		
				16.5.1.4b	Momentary Power Interrptions (ac) [All ac equipment]	• ¹⁾		
				16.5.1.4c	Momentary Power Interrptions (ac) [Additional Requirement]	• ¹⁾		
				16.5.1.5.1	Normal Surge Voltage (ac)	• ^{1,2)}	ι	up to 340Vrms
				16.5.1.5.2	Normal Frequency Transients (ac)	• ¹⁾		
				16.5.1.6	Normal Frequency Variations (ac)	• ¹⁾		
				16.5.1.7	Voltage DC Content (ac)	• ¹⁾		
				16.5.1.8	Voltage distortion (ac)	• ¹⁾		
				16.5.2.1b	Abnormal Voltage and Frequency Limits in Steady State (ac)	•1)		
				16.5.2.2	Momentary Undervoltage Operation (ac)	•1)		
				16.5.2.3-1	Abnormal Surge Voltage (ac)	•1,2)	ι	up to 360Vrms
				16.5.2.3.2	Abnormal Frequency Transients (ac)	•1)		
				16.5.2.3.3	Abnormal Frequency Variations (ac)	•1)		
				16.5.2.4	Loss of Phase Input (ac)	•1) •1,5)		The phase disconnection must be done manually
				16.7.1	Current Harmonic Emissions from Load (ac), Designation H	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.2	Allowable Phase Unbalance	•1,5) •1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.3	DC Current Content in Steady-State Operation (All ac Equipment)	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•1,5)		Option NWBoard 3 Phase and Analyse License required
				16.7.6	Current Modulation in Steady-State Operation (ac), Designation I Power Factor (All ac Equipment), Designation P	•1,5)		Option NWBoard 3 Phase and Analyse License required Option NWBoard 3 Phase and Analyse License required
		DC	Category B	16.7.8		• **		option NWDoard o Fridse alla Allatyse License reguired
		DC	Category B 14V	16.6.1.1	Voltage (Average Value dc)	•4)		AMP200N1 + CN200N1 or CWS500N3 required
			140	16.6.1.3b	Ripple Voltage (dc) Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•	1	
				16.6.1.3c	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]			
				16.6.1.3d	Momentary Power Interruptions (dc) [Att Equipment] Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•		
				16.6.1.4	Normal Surge Voltage (dc)	•		
				16.6.2.1	Voltage Steady State (dc)	•		
				16.6.2.2	Low Voltage Conditions (dc)	•		
				16.6.2.3	Momentary Undervoltage Operation (dc)	•		
				16.6.2.4	Abnormal Surge Voltage (dc)	•		
				16.7.5	Inrush Current Requirements (ac and dc), Designation I	•	0	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			Category A	16.6.1.1	Voltage (Average Value dc)			
			ICalleguiv A	10.0.1.1		•		

Standard	Power	Class / Range	Paragraph	Test	Net	Icd Comment
			16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•	
			16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•	
			16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•	
			16.6.1.4	Normal Surge Voltage (dc)	•	
			16.6.2.1	Voltage Steady State (dc)		
			16.6.2.3	Momentary Undervoltage Operation (dc)	•	
			16.6.2.4	Abnormal Surge Voltage (dc) Inrush Current Requirements (ac and dc), Designation I		Ontion NWPpard / NWPpard 2 Dhace and Analyse License required
			16.7.5	DC Current Ripple tests (dc), Designation R		Option NWBoard / NWBoard 3 Phase and Analyse Licence required Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Category B	16.6.1.1	Voltage (Average Value dc)	•	
		28V	16.6.1.2	Ripple Voltage (dc)	•4)	AMP200N1 + CN200N1 required
		201	16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•	
			16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•	
			16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•	
			16.6.1.4	Normal Surge Voltage (dc)	•	
			16.6.1.5	Engine Starting Under Voltage Operation (dc)	•	
			16.6.2.1	Voltage Steady State (dc)	•	
			16.6.2.2	Low Voltage Conditions (dc)	•	
			16.6.2.3	Momentary Undervoltage Operation (dc)	•	
			16.6.2.4	Abnormal Surge Voltage (dc)	•	
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	•	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Catagory 7	16.7.7	DC Current Ripple tests (dc), Designation R	•	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Category Z	16.6.1.1	Voltage (Average Value dc)	• • ⁴⁾	
		28V	16.6.1.2	Ripple Voltage (dc)		AMP200N1 + CN200N1 required
			16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•	
			16.6.1.3c 16.6.1.3d	Momentary Power Interruptions (dc) [All Equipment] Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]		
			16.6.1.4	Normal Surge Voltage (dc)		
			16.6.1.5	Engine Starting Under Voltage Operation (dc)	•	
			16.6.2.1	Voltage Steady State (dc)	•	
			16.6.2.3	Momentary Undervoltage Operation (dc)	•	
			16.6.2.4	Abnormal Surge Voltage (dc)	•	
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	•	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.7	DC Current Ripple tests (dc), Designation R	•	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		Category D	16.6.1.1	Voltage (Average Value dc)	•	
		270V	16.6.1.2	Ripple Voltage (dc)		AMP200N1 + CN200N1 required
			16.6.1.3b	Momentary Power Interruptions (dc) [Equipment with Digital Circuits]	•	
			16.6.1.3c	Momentary Power Interruptions (dc) [All Equipment]	•	
			16.6.1.3d	Momentary Power Interruptions (dc) [Equipment Digital or Memory Devices]	•	
			16.6.1.4	Normal Surge Voltage (dc)	•	
			16.6.1.6	Exposed Voltage Decay Time (dc, Category D Equipment Only)	•	The disconnection must be done manually
			16.6.2.1 16.6.2.3	Voltage Steady State (dc) Momentary Undervoltage Operation (dc)		
				Abnormal Surge Voltage (dc)		
			16.6.2.4 16.7.4	Regnerated Energy (dc, Category D Equipment Only)		NetWave as Source + external Scope
			16.7.5	Inrush Current Requirements (ac and dc), Designation I	•	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
			16.7.7	DC Current Ripple tests (dc), Designation R	•	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
ED-14G	AC	Category K	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	AMP200N1 + CN200N1 required
(Chapter 18)		[400 Hz]				
(2011-05)		115V, 230V				
		Category K	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	AMP200N1 + CN200N1 required
		[360 to 650 Hz]				
		115V, 230V				
		Category K	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾	AMP200N1 + CN200N1 required
		[360 to 800 Hz]				
		115V, 230V				
		Category R(CF)	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	AMP200N1 + CN200N1 required
		[400 Hz]				
		115V, 230V	40.5.51			
		Category R(NF)	18.3.2b	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	AMP200N1 + CN200N1 required
		[360 to 650 Hz]				
		115V, 230V	10.2.2.	Audia Francisco Canductad Concerntibility Device Innuts	- 4)	
		Category R(WF)	18.3.2c	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	AMP200N1 + CN200N1 required
		[360 to 800 Hz]				
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	AC 3 Phase	Category K [400 Hz]	18.3.2a	Audio Frequency Conducted Susceptibility - Power Inputs	• *	
		[400 112]				
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Image: Problem in the system in the									
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19.3.4 Electric Fields induced into interconnecting cables Image: Category ZW 19.3.5 Spikes induced into interconnecting cables Image: Category ZW 19.3.1 Magnetic Fields induced into the equipment Image: Category ZW 19.3.4 Electric Fields induced into interconnecting cables Image: Category ZW Image: Category ZW 19.3.4 Magnetic Fields induced into the equipment Image: Category ZW Image: Category ZW <td< td=""><td></td><td></td><td></td><td>[350Hz - 650 Hz]</td><td></td><td></td><td></td><td></td><td>NetWave as Source + Radiating Wire</td></td<>				[350Hz - 650 Hz]					NetWave as Source + Radiating Wire
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Category ZW 19.3.1 Magnetic Fields induced into the equipment NetWave as Source + Radiating Wire [350Hz - 800 Hz] 19.3.2 Electric Fields induced into the equipment NetWave as Source + Radiating Wire 19.3.3 Magnetic Fields induced into interconnecting cables 1 19.3.4 Electric Fields induced into interconnecting cables 1									
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19.3.3Magnetic Fields induced into interconnecting cables19.3.4Electric Fields induced into interconnecting cables									
19.3.4 Electric Fields induced into interconnecting cables				[550112 - 000 112]					וויכניימייב מס סטמוכב ד המנומנוווצ שווכ

Area	Standard	Power	Class / Range	Paragraph	Test	Net Ic	d Comment
			Category AW	19.3.1	Magnetic Fields induced into the equipment		NetWave as Source + Radiating Wire
			[350Hz - 800 Hz]	19.3.2	Electric Fields induced into the equipment		NetWave as Source + Radiating Wire
			[19.3.3	Magnetic Fields induced into interconnecting cables		
				19.3.4	Electric Fields induced into interconnecting cables		
				19.3.5	Spikes induced into interconnecting cables		
			Category BW	19.3.1	Magnetic Fields induced into the equipment		NetWave as Source + Radiating Wire
			[350Hz - 800 Hz]	19.3.2	Electric Fields induced into the equipment		NetWave as Source + Radiating Wire
				19.3.5	Spikes induced into interconnecting cables		
			Category CW	19.3.1	Magnetic Fields induced into the equipment		NetWave as Source + Radiating Wire
			[350Hz - 800 Hz]	19.3.2	Electric Fields induced into the equipment		NetWave as Source + Radiating Wire
				19.3.3	Magnetic Fields induced into interconnecting cables		
				19.3.4	Electric Fields induced into interconnecting cables		
rbus	ABD0100.1.2	AC	Category R(CF)	19.3.5	Spikes induced into interconnecting cables Audio Frequency Conducted Susceptibility - Power Inputs	•4)	AMD200N1 - CN200N1 required
bus	Revision G	AC	[400 Hz]	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•	AMP200N1 + CN200N1 required
	(2008-12)		115V, 230V				
	(2000-12)		Category R(NF)	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	AMP200N1 + CN200N1 required
			[360 to 650 Hz]	5.4.5			
			115V, 230V				
			Category R(WF)	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾	AMP200N1 + CN200N1 required
			[360 to 800 Hz]				
			115V, 230V				
		DC	Category B	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	AMP200N1 + CN200N1 required
			14V				
			Category B	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	AMP200N1 + CN200N1 required
			28V				
			Category R	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	• ⁴⁾	AMP200N1 + CN200N1 required
			14V				
			Category R	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	AMP200N1 + CN200N1 required
			28V			0	
			Category Z	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	AMP200N1 + CN200N1 required
			14V				
			Category Z	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	•4)	AMP200N1 + CN200N1 required
			28V	2.4.2	Audia Engeneration Canada ata di Concerntibility - Devendenceta	•4)	
			Category Z 270V	3.4.3	Audio Frequency Conducted Susceptibility - Power Inputs	• *	AMP200N1 + CN200N1 required
	ABD0100.1.8	AC	CF (Constant Frequency)	2.4.1	(1) Steady state voltage and frequency [normal operations]	•	
	Revision E		[400 Hz]	2.4.1	(1) Steady state voltage and frequency [mornal operations]	•	
	(2005-04)		115V	2.4.1	(2a) Abnormal steady state voltage		
	(2005 04)		(Table A)	2.4.1	(2b) Abnormal steady state frequency	•	
			(Tuble I)	2.4.1	(3) Voltage surge - normal transients	•	
				2.4.1	(4) Voltage surge - abnormal transients	•	Test 4.3 - NetWave as Source (the disconnection must be done manually)
				2.4.1	(5) Voltage spikes		Special Pulsemodul and Coupling NetWork required (not yet planed)
				2.4.1	(6) Switching transients (A 1.2.1)	•	
				2.4.1	(6) Switching transients (A 1.2.2)	•	
				2.4.1	(7) Voltage modulation	•	
				2.4.1	(8) Frequency excursions in abnormal operation	•	
				2.4.1	(9) Frequency modulation	•	
				2.4.1	(10) Distorted voltage	•	NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				2.4.1	(11) Voltage DC content	•	
				2.4.2.1.2	Voltage Drop		NetWave as Source + external Multimeter
				2.4.2.1.3	Inrush Current		NetWave as Source + external Measure
				2.4.2.1.5	Power Factor		NetWave as Source + external Measure
				2.4.2.1.6	Current Distortion		NetWave as Source + external Measure up to 150kHz
				2.4.2.1.7	Voltage Modulation Due to Equipment		NetWave as Source + external Scope
				2.4.2.1.8	Equipment Line Current DC Content in Steady-State Operation		NetWave as Source + external Scope
			CF (Constant Frequency)	2.4.1	(1) Steady state voltage and frequency [normal operations]	•	
			[400 Hz]	2.4.1	(1) Steady state voltage and frequency [emergency operations]	•	
			26V (Table D)	2.4.1	(2a) Abnormal steady state voltage	•	
			(Table B)	2.4.1	(2b) Abnormal steady state frequency	•	
				2.4.1	(3) Voltage surge - normal transients	•	Test (2) NetWeisser Course (the discourse if a stability of the discourse (the discourse of the discourse o
				2.4.1	(4) Voltage surge - abnormal transients	•	Test 4.3 - NetWave as Source (the disconnection must be done manually)
				2.4.1	(5) Voltage spikes		Special Pulsemodul and Coupling NetWork required (not yet planed)
				2.4.1	(6) Switching transients (A 1.2.1)	•	
				2.4.1	(6) Switching transients (A 1.2.2)	•	
				2.4.1	(7) Voltage modulation	•	
				2.4.1	(8) Frequency excursions in abnormal operation(9) Frequency modulation	•	
				2.4.1	(10) Distorted voltage	•	NetWave as Source + external Measure up to 150kHz (Pre Compliance)
				2.4.1	(10) Distolled Vollage	•	Interwave as Source + external measure up to 150kHz (Pre Compliance)

Standard	Power	Class / Range	Paragraph	Test	Net	lcd	Comment
			2.4.1	(11) Voltage DC content	•		
			2.4.2.1.3	Inrush Current			NetWave as Source + external Measure
			2.4.2.1.5	Power Factor			NetWave as Source + external Measure
			2.4.2.1.6	Current Distortion			NetWave as Source + external Measure up to 150kHz
			2.4.2.1.7	Voltage Modulation Due to Equipment			NetWave as Source + external Scope
			2.4.2.1.8	Equipment Line Current DC Content in Steady State Operation			NetWave as Source + external Scope
		VF (Variable Frequency)	2.4.1	(1) Steady state voltage and frequency [normal operations]	•		
		[360 to 800 Hz]	2.4.1	(2) Abnormal steady state voltage	•		
		115V	2.4.1	(3) Voltage surge - normal transients	•		
					•		Test (2. NetWays as Course (the disconnection must be done monually)
		(Table C)	2.4.1	(4) Voltage surge - abnormal transients	-		Test 4.3 - NetWave as Source (the disconnection must be done manually)
			2.4.1	(5) Voltage spikes			Special Pulsemodul and Coupling NetWork required (not yet planed)
			2.4.1	(6) Switching transients (A 1.2.1)	•		
			2.4.1	(6) Switching transients (A 1.2.2b)	•		
			2.4.1	(6) Switching transients (A 1.2.2c)	•		
			2.4.1	(7) Voltage modulation	•		
			2.4.1	(8) Frequency excursions in abnormal operation	•		
			2.4.1	(9) Frequency modulation	•		
			2.4.1	(10) Distorted voltage	•		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
			2.4.1	(11) Voltage DC content	•		
			2.4.2.1.2	Voltage Drop			NetWave as Source + external Multimeter
			2.4.2.1.2	Inrush Current			NetWave as Source + external Measure
			2.4.2.1.5	Power Factor			NetWave as Source + external Measure
			2.4.2.1.6	Current Distortion			NetWave as Source + external Measure up to 150kHz
			2.4.2.1.7	Voltage Modulation Due to Equipment			NetWave as Source + external Scope
			2.4.2.1.8	Equipment Line Current DC Content in Steady-State Operation			NetWave as Source + external Scope
	AC 3 Phase	CF (Constant Frequency)	2.4.1	(1) Steady state voltage and frequency [normal operations]	• ¹⁾		
		[400 Hz]	2.4.1	(1) Steady state voltage and frequency [emergency operations]	• ¹⁾		
		115V	2.4.1	(2a) Abnormal steady state voltage	• ¹⁾		
		(Table A)	2.4.1	(2b) Abnormal steady state frequency	•1)		
		(laster)	2.4.1	(3) Voltage surge - normal transients	• ¹⁾		
			2.4.1	(4) Voltage surge - abnormal transients	•1)		Test 4.3 - NetWave as Source (the disconnection must be done manually)
							, , , , , , , , , , , , , , , , , , , ,
			2.4.1	(5) Voltage spikes	• ¹⁾		Special Pulsemodul and Coupling NetWork required (not yet planed)
			2.4.1	(6) Switching transients (A 1.2.1)	•1)		
			2.4.1	(6) Switching transients (A 1.2.2)			
			2.4.1	(7) Voltage modulation	•1)		
			2.4.1	(8) Frequency excursions in abnormal operation	• ¹⁾		
			2.4.1	(9) Frequency modulation	• ¹⁾		
			2.4.1	(10) Distorted voltage	• ¹⁾		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
			2.4.1	(11) Voltage DC content	• ¹⁾		
			2.4.2.1.2	Voltage Drop			NetWave as Source + external Multimeter
			2.4.2.1.3	Inrush Current			NetWave as Source + external Measure
			2.4.2.1.5	Power Factor			NetWave as Source + external Measure
							NetWave as Source + external Measure up to 150kHz
			2.4.2.1.6	Current Distortion			
			2.4.2.1.7	Voltage Modulation Due to Equipment			NetWave as Source + external Scope
			2.4.2.1.8	Equipment Line Current DC Content in Steady-State Operation			NetWave as Source + external Scope
		VF (Variable Frequency)	2.4.1	(1) Steady state voltage and frequency [normal operations]	•1)		
		[360 to 800 Hz]	2.4.1	(2) Abnormal steady state voltage	•1)		
		115V	2.4.1	(3) Voltage surge - normal transients	• ¹⁾		
		(Table C)	2.4.1	(4) Voltage surge - abnormal transients	• ¹⁾		Test 4.3 - NetWave as Source (the disconnection must be done manually)
			2.4.1	(5) Voltage spikes			Special Pulsemodul and Coupling NetWork required (not yet planed)
			2.4.1	(6) Switching transients (A 1.2.1)	•1)		
			2.4.1	(6) Switching transients (A 1.2.2b)	•1)		
			2.4.1	(6) Switching transients (A 1.2.20)	•1)		
					•1)		
			2.4.1	(7) Voltage modulation			
			2.4.1	(8) Frequency excursions in abnormal operation	•1) 1)		
			2.4.1	(9) Frequency modulation	• ¹⁾		
			2.4.1	(10) Distorted voltage	•1)		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
			2.4.1	(11) Voltage DC content	• ¹⁾		
			2.4.2.1.2	Voltage Drop			NetWave as Source + external Multimeter
			2.4.2.1.3	Inrush Current			NetWave as Source + external Measure
			2.4.2.1.5	Power Factor			NetWave as Source + external Measure
			2.4.2.1.6	Current Distortion			NetWave as Source + external Measure up to 150kHz
			2.4.2.1.7	Voltage Modulation Due to Equipment			NetWave as Source + external Scope
	DC	6 H 156H 1	2.4.2.1.8	Equipment Line Current DC Content in Steady-State Operation			NetWave as Source + external Scope
	DC	Conventional DC Network	2.4.1	(1) Steady state voltage	•		
		28V	2.4.1	(2) Abnormal steady state voltage	•		
		(Table D)	2.4.1	(3) Voltage surge (normal transients)	•		
			2.4.1	(4) Voltage surge (abnormal transients)	•		Test 4.3 - NetWave as Source (the disconnection must be done manually)
			2.4.1	(6) Switching transients (A 1.2.1)	•		

Standard	Power	Class / Range	Paragraph	Test	Net	Icd Comment
			2.4.1	(6) Switching transients (A 1.2.2a)		
			2.4.1	(6) Switching transients (A 1.2.2d)	•	
			2.4.1	(7) Square waves due to large load variations	•	
			2.4.1	(8) Ripple Voltage	•4)	AMP200N1 + CN200N1 required
			2.4.2.2.1	Voltage Drop	-	NetWave as Source + external Multimeter
			2.4.2.2.2	Inrush Current	_	NetWave as Source + external Measure
			2.4.2.2.3	DC ripple Voltage Due to Equipment		external Battery + external Scope
		NBPT DC Network	2.4.1	(1) Steady state voltage	•	
		28V	2.4.1	(2) Voltage surge (normal transients)	•	
		(Table E)	2.4.1	(3) Voltage surge (abnormal transients)	•	Test 3.4 - NetWave as Source (the disconnection must be done manually)
		(Tuble E)	2.4.1	(5) Switching transients (A 1.2.1)	•	
			2.4.1	(5) Switching transients (A 1.2.2b)	•	
			2.4.1	(6) Ripple Voltage	•4)	AMP200N / N1 + CN200N1 required
			2.4.2.2.1	Voltage Drop		NetWave as Source + external Multimeter
			2.4.2.2.2	Inrush Current		NetWave as Source + external Measure
			2.4.2.2.3	DC ripple Voltage Due to Equipment		external Battery + external Scope
ABD0100.1.8.1	AC	SVF (Variable Frequency)	C.3	(SVF 101) Steady state voltage and frequency [Normal Operation]	•	
Revision C		115V	C.3	(SVF 102) Voltage transients [Normal Operation]	•	
(2008-06)		[360 to 800 Hz]	C.3	(SVF 103) Voltage modulation [Normal Operation]	•	
		-	C.3	(SVF 104) Voltage spikes		Special Pulsemodul and Coupling NetWork required (not yet planed)
			C.3	(SVF 105) Current distortion [Normal Operation]	• ³⁾	NetWave as Source + external Measure up to 150kHz
			C.3	(SVF 106) Voltage distortion 1 [Normal Operation]	• ³⁾	NetWave as Source + external Measure up to 150kHz (Pre Compliance)
			C.3	(SVF 107) Voltage distortion 2 [Normal Operation]	•4)	AMP200N1 + CN200N1 required
			C.3	(SVF 108) Voltage distortion transients [Normal Operation]	• ³⁾	NetWave as Source + external Measure up to 150kHz (Pre Compliance)
			C.3	(SVF 109) Inrush current [Normal Operation]	•	NetWave as Source + external Measure
			C.3	(SVF 110) Frequency variations [Normal Operation]	•	
			C.3	(SVF 111) Frequency modulation [Normal Operation]	•	
			C.3	(SVF 112) Voltage DC content [Normal Operation]	•	
			C.3	(SVF 113) Voltage modulation due to equipment [Normal Operation]	•	NetWave as Source + external Scope
			C.3	(SVF 114) Voltage spike due to equipment load switching [Normal Operation]	•	NetWave as Source + external Relay and Scope
			C.3	(SVF 201) Steady state voltage and frequency [Abnormal Operation]	•	
			C.3	(SVF 202) Voltage transients [Abnormal Operation]	•	
			C.3	(SVF 203) Voltage modulation [Abnormal Operation]	•	
			C.3	(SVF 301) Steady state voltage and frequency [Emergency Operation]	•	
			C.3	(SVF 302) Voltage distortion 1 [Emergency Operation]	•3)	NetWave as Source + external Measure up to 150kHz (Pre Compliance)
			C.3	(SVF 303) Voltage distortion 2 [Emergency Operation]	•4)	AMP200N1 + CN200N1 required
			C.3	(SVF 304) Voltage distortion transients [Emergency Operation]	•3)	NetWave as Source + external Measure up to 150kHz (Pre Compliance)
			C.3	(SVF 305) Inrush current [Emergency Operation]	•	NetWave as Source + external Measure
			C.3	(SVF 306) Frequency variations [Emergency Operation]	•	
			C.3	(SVF 307) Voltage modulation due to equipment [Emergency Operation]	•	NetWave as Source + external Relay and Scope
			C.3	(SVF 401) Transparency time [Switching Transients]	•	
			C.3	(SVF 402) Voltage switching transients 1 [Switching Transients]	•	
			C.3	(SVF 403) Voltage switching transients 2 [Switching Transients]	•	
			C.3	(SVF 404) Voltage switching transients with frequency [Switching Transients]	•	
			C.3	(SVF 501) Power line disconnection [PowerSupply removal]		NetWave as Source (the disconnection must be done manually)
			C.3	(SCF 204) Frequency transients [Abnormal Operation]	•	
		SVFH (Variable Frequency)	C.5	(SVFH 101) Steady state voltage and frequency [Normal Operation]	•2)	Test 4.2.5 (up to 2(0)/me
		230V	C.5 C.5	(SVFH 102) Voltage transients [Normal Operation] (SVFH 103) Voltage modulation [Normal Operation]	•	Test 1,2,5,6 up to 360Vrms
		[360 to 800 Hz]	C.5	(SVFH 105) Voltage inodulation (Normal Operation)		Special Pulsemodul and Coupling NetWork required (not yet planed)
			C.5	(SVFH 104) Voltage spikes (SVFH 105) Current distortion [Normal Operation]	•3)	NetWave as Source + external Measure up to 150kHz
			C.5	(SVFH 105) Current distortion [Normal Operation]	•3)	NetWave as Source + external Measure up to 150kHz (Pre Compliance)
			C.5	(SVFH 106) Voltage distortion 1 [Normal Operation]	•4)	AMP200N1 + CN200N1 required
			C.5	(SVFH 107) Voltage distortion 2 [Normal Operation]	•3)	NetWave as Source + external Measure up to 150kHz (Pre Compliance)
			C.5	(SVFH 108) Vottage distortion transferits [Normal Operation]	•	NetWave as Source + external Measure
			C.5	(SVFH 110) Frequency variations [Normal Operation]	•	
			C.5	(SVFH 110) Frequency valuations [Normal Operation]		
			C.5	(SVFH 112) Voltage DC content [Normal Operation]	•	
			C.5	(SVFH 112) Voltage be content [Normal Operation]	•	NetWave as Source + external Scope
			C.5	(SVFH 114) Voltage spike due to equipment load switching [Normal Operation]	•	NetWave as Source + external Scope
			C.5	(SVFH 201) Steady state voltage and frequency [Abnormal Operation]	•	
			C.5	(SVFH 202) Voltage transients [Abnormal Operation]	•2)	Test 1,2 up to 360Vrms
			C.5	(SVFH 203) Voltage modulation [Abnormal Operation]	•	
			C.5	(SVFH 301) Steady state voltage and frequency [Emergency Operation]	•	
			C.5	(SVFH 302) Voltage distortion 1 [Emergency Operation]	• 3)	NetWave as Source + external Measure up to 150kHz (Pre Compliance)
			C.5	(SVFH 303) Voltage distortion 2 [Emergency Operation]	•4)	AMP200N1 + CN200N1 required
						I I I I I I I I I I I I I I I I I I I
			C.5	(SVFH 304) Voltage distortion transients [Emergency Operation]	•3)	NetWave as Source + external Measure up to 150kHz (Pre Compliance)
			C.5 C.5	(SVFH 304) Voltage distortion transients [Emergency Operation] (SVFH 305) Inrush current [Emergency Operation]	•3)	NetWave as Source + external Measure up to 150kHz (Pre Compliance) NetWave as Source + external Measure

ea	Standard	Power	Class / Range	Paragraph	Test	Net	Icd Comme	ent
				C.5	(SVFH 307) Voltage modulation due to equipment [Emergency Operation]	•	NetWay	ve as Source + external Relay and Scope
				C.5	(SVFH 401) Transparency time [Switching Transients]	•		
				C.5	(SVFH 402) Voltage switching transients 1 [Switching Transients]	•		
				C.5	(SVFH 403) Voltage switching transients 2[Switching Transients]	•		
				C.5	(SVFH 404) Voltage switching transients with frequency [Switching Transients]	•		
				C.5	(SVFH 501) Power line disconnection [PowerSupply removal]		NetWay	ve as Source (the disconnection must be done manually)
				C.5	(SCFH 204) Frequency transients [Abnormal Operation]	•		
			SCF (Constant Frequency)	C.7	(SCF 101) Steady state voltage and frequency [Normal Operation]	•		
			115V	C.7	(SCF 102) Voltage transients [Normal Operation]	•		
			[400 Hz]	C.7 C.7	(SCF 103) Voltage modulation [Normal Operation]	•	Creation	Delegans delegand Coursilian Mattiliante as avias d (a structure a la stal)
				C.7	(SCF 104) Voltage spikes [Normal Operation]	• 3)		l Pulsemodul and Coupling NetWork required (not yet planed)
				C.7 C.7	(SCF 105) Current distortion [Normal Operation] (SCF 106) Voltage distortion 1 [Normal Operation]	• 3)		ve as Source + external Measure up to 150kHz ve as Source + external Measure up to 150kHz (Pre Compliance)
				C.7	(SCF 107) Voltage distortion 2 [Normal Operation]	•4)		0N1 + CN200N1 required
				C.7	(SCF 108) Voltage distortion 2 [Normal Operation]	3)		ve as Source + external Measure up to 150kHz (Pre Compliance)
				C.7	(SCF 109) Inrush current [Normal Operation]	•		ve as Source + external Measure
				C.7	(SCF 110) Frequency modulation [Normal Operation]	•	netwa	
				C.7	(SCF 111) Voltage DC content [Normal Operation]	•		
				C.7	(SCF 112) Voltage modulation due to equipment [Normal Operation]	•	NetWay	ve as Source + external Scope
				C.7	(SCF 113) Voltage spike due to equipment load switching [Normal Operation]	•		ve as Source + external Relay and Scope
				C.7	(SCF 201) Steady state voltage and frequency [Abnormal Operation]	•		
				C.7	(SCF 202) Voltage transients [Abnormal Operation]	•		
				C.7	(SCF 203) Voltage modulation [Abnormal Operation]	•		
				C.7	(SCF 204) Frequency transients [Abnormal Operation]	•		
				C.7	(SCF 401) Transparency time [Transfer Operation]	•		
				C.7	(SCF 402) Voltage switching transients 1 [Transfer Operation]	•		
				C.7	(SCF 403) Voltage switching transients 2 [Transfer Operation]	•		
				C.7	(SCF 501) Power line disconnection [Power supply removal]		NetWay	ve as Source (the disconnection must be done manually)
			SCFH (Constant Frequency)	C.9	(SCFH 101) Steady state voltage and frequency [Normal Operation]	•		
			230V	C.9	(SCFH 102) Voltage transients [Normal Operation]	• ²⁾	Test 1,2	2 up to 360Vrms
			[400 Hz]	C.9	(SCFH 103) Voltage modulation [Normal Operation]	•		
				C.9	(SCFH 104) Voltage spikes [Normal Operation]	• 3)		l Pulsemodul and Coupling NetWork required (not yet planed) ve as Source + external Measure up to 150kHz
				C.9 C.9	(SCFH 105) Current distortion [Normal Operation] (SCFH 106) Voltage distortion 1 [Normal Operation]	•3)		ve as Source + external Measure up to 150kHz (Pre Compliance)
				C.9 C.9	(SCFH 106) Voltage distortion 1 [Normal Operation]	•4)		10N1 + CN200N1 required
				C.9	(SCFH 107) Voltage distortion 2 [Normal Operation]	• 3)		ve as Source + external Measure up to 150kHz (Pre Compliance)
				C.9	(SCFH 109) Inrush current [Normal Operation]	•		ve as Source + external Measure
				C.9	(SCFH 110) Frequency modulation [Normal Operation]	•	netwa	
				C.9	(SCFH 111) Voltage DC content [Normal Operation]	•		
				C.9	(SCFH 112) Voltage modulation due to equipment [Normal Operation]	•	NetWay	ve as Source + external Scope
				C.9	(SCFH 113) Voltage spike due to equipment load switching [Normal Operation]	•		ve as Source + external Relay and Scope
				C.9	(SCFH 201) Steady state voltage and frequency [Abnormal Operation]	•		
				C.9	(SCFH 202) Voltage transients [Abnormal Operation]	• ²⁾	Test 1 u	up to 360Vrms
				C.9	(SCFH 203) Voltage modulation [Abnormal Operation]	•		
				C.9	(SCFH 204) Frequency transients [Abnormal Operation]	•		
				C.9	(SCFH 401) Transparency time [Transfer Operation]	•		
				C.9	(SCFH 402) Voltage switching transients 1 [Transfer Operation]	•		
				C.9	(SCFH 403) Voltage switching transients 2 [Transfer Operation]	•		
		10.5.5	7.5.4.1.1.5	C.9	(SCFH 501) Power line disconnection [Power supply removal]	1)	NetWay	ve as Source (the disconnection must be done manually)
		AC 3 Phase	TVF (Variable Frequency)	C.4	(TVF 101) Steady state voltage and frequency [Normal Operation]	•1)		
			115V	C.4	(TVF 102) Voltage transients [Normal Operation]	•1) •1)		
			[360 to 800 Hz]	C.4	(TVF 103) Voltage modulation [Normal Operation]	• 1)		Deleverated and Courties National and the local state of the second
				C.4	(TVF 104) Voltage spikes	•1)		l Pulsemodul and Coupling NetWork required (not yet planed)
				C.4	(TVF 105) Current distortion [Normal Operation] (TVF 106) Voltage distortion 1 [Normal Operation]	•1,3)		ve as Source + external 3phase Measure up to 150kHz ve as Source + external 3phase Measure up to 150kHz (Pre Compliance)
				C.4 C.4	(TVF 106) Voltage distortion 1 [Normal Operation] (TVF 107) Voltage distortion 2 [Normal Operation]	•		ve as Source + external 3phase Measure up to 150kHz (Pre Compliance) ve as Source + external 3 x Amplifier
				C.4	(TVF 107) Voltage distortion 2 [Normal Operation]	•1,3)		ve as Source + external 3phase Measure up to 150kHz (Pre Compliance)
				C.4	(TVF 108) Voltage distortion transferits [Normal Operation]	• 1)		ve as Source + external 3phase Measure up to 150kH2 (Ple Compliance)
				C.4	(TVF 109) Indust current (Normal Operation) (TVF 110) Frequency variations [Normal Operation]	• 1)	INCLIVAN	ve as source + external spirase measure
				C.4	(TVF 111) Frequency watalities [Normal Operation]	•1)		
				C.4	(TVF 112) Voltage DC content [Normal Operation]	•1)		
				C.4	(TVF 113) Voltage modulation due to equipment [Normal Operation]	• ¹⁾	NetWay	ve as Source + external Scope
				C.4	(TVF 114) Voltage spike due to equipment load switching [Normal Operation]	• ¹⁾		ve as Source + external Relay and Scope
				C.4	(TVF 115) Voltage unbalance transient	• ¹⁾		
				C.4	(TVF 201) Steady state voltage and frequency [Abnormal Operation]	• ¹⁾		
				C.4	(TVF 202) Voltage transients [Abnormal Operation]	• ¹⁾		
				C.4	(TVF 203) Voltage modulation [Abnormal Operation]	• ¹⁾		
				C.4	(TVF 301) Steady state voltage and frequency [Emergency Operation]	• ¹⁾		
				C.4	(TVF 302) Voltage distortion 1 [Emergency Operation]	 1,3) 	NetWay	ve as Source + external 3phase Measure up to 150kHz (Pre Compliance)

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			C.4	(TVF 303) Voltage distortion 2 [Emergency Operation]			NetWave as Source + external 3 x Amplifier
			C.4	(TVF 304) Voltage distortion transients [Emergency Operation]	•1,3)		NetWave as Source + external Measure up to 150kHz (Pre Compliance)
			C.4	(TVF 305) Inrush current [Emergency Operation]	•1)		NetWave as Source + external 3phase Measure
			C.4	(TVF 306) Frequency variations [Emergency Operation]	• 1) 1)		
			C.4	(TVF 307) Voltage modulation due to equipment [Emergency Operation]	• 1) • 1)		NetWave as Source + external Relay and Scope
			C.4	(TVF 401) Transparency time [Switching Transients]	• ¹⁾		
			C.4	(TVF 402) Voltage switching transients 1 [Switching Transients]	•1)		
			C.4 C.4	(TVF 403) Voltage switching transients 2 [Switching Transients]	• 1)		
			C.4	(TVF 404) Voltage switching transients with frequency [Switching Transients] (TVF 501) Power line disconnection [PowerSupply removal]	•-/		NetWave as Source (the disconnection must be done manually)
			C.4	(TCF 204) Frequency transients [Abnormal Operation]	 1) 		Netwave as source (the disconnection must be done manually)
		TVFH (Variable Frequency)	C.4	(TVFH 101) Steady state voltage and frequency [Normal Operation]	•1)	-	
		230V	C.6	(TVFH 102) Voltage transients [Normal Operation]	•1,2)		Test 1,2,5,6 up to 360Vrms
		[360 to 800 Hz]	C.6	(TVFH 103) Voltage modulation [Normal Operation]	•1)		
		[500 10 000 112]	C.6	(TVFH 104) Voltage spikes			Special Pulsemodul and Coupling NetWork required (not yet planed)
			C.6	(TVFH 105) Current distortion [Normal Operation]	• ¹⁾		NetWave as Source + external 3phase Measure up to 150kHz
			C.6	(TVFH 106) Voltage distortion 1 [Normal Operation]	 1,3) 		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
			C.6	(TVFH 107) Voltage distortion 2 [Normal Operation]			NetWave as Source + external 3 x Amplifier
			C.6	(TVFH 108) Voltage distortion transients [Normal Operation]	 1,3) 		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
			C.6	(TVFH 109) Inrush current [Normal Operation]	• ¹⁾		NetWave as Source + external 3phase Measure
			C.6	(TVFH 110) Frequency variations [Normal Operation]	• ¹⁾		
			C.6	(TVFH 111) Frequency modulation [Normal Operation]	• ¹⁾		
			C.6	(TVFH 112) Voltage DC content [Normal Operation]	• ¹⁾		
			C.6	(TVFH 113) Voltage modulation due to equipment [Normal Operation]	• ¹⁾		NetWave as Source + external Scope
			C.6	(TVFH 114) Voltage spike due to equipment load switching [Normal Operation]	• ¹⁾		NetWave as Source + external Relay and Scope
			C.6	(TVFH 115) Voltage unbalance transient	• ¹⁾		
			C.6	(TVFH 201) Steady state voltage and frequency [Abnormal Operation]	• ¹⁾		
			C.6	(TVFH 202) Voltage transients [Abnormal Operation]	• ^{1,2)}		Test 1,2 up to 360Vrms
			C.6	(TVFH 203) Voltage modulation [Abnormal Operation]	• ¹⁾		
			C.6	(TVFH 301) Steady state voltage and frequency [Emergency Operation]	• ¹⁾		
			C.6	(TVFH 302) Voltage distortion 1 [Emergency Operation]	• ^{1,3)}		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
			C.6	(TVFH 303) Voltage distortion 2 [Emergency Operation]	1.00		NetWave as Source + external 3 x Amplifier
			C.6	(TVFH 304) Voltage distortion transients [Emergency Operation]	• ^{1,3)}		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
			C.6	(TVFH 305) Inrush current [Emergency Operation]	•1)		NetWave as Source + external 3phase Measure
			C.6	(TVFH 306) Frequency variations [Emergency Operation]	•1)		
			C.6	(TVFH 307) Voltage modulation due to equipment [Emergency Operation]	• ¹⁾ • ¹⁾		NetWave as Source + external Relay and Scope
			C.6	(TVFH 401) Transparency time [Switching Transients]	• 1) • 1)		
			C.6 C.6	(TVFH 402) Voltage switching transients 1 [Switching Transients]	•1)		
			C.6	(TVFH 403) Voltage switching transients 2[Switching Transients] (TVFH 404) Voltage switching transients with frequency [Switching Transients]	•1)		
			C.6	(TVFH 404) Voltage switching transients with frequency (switching transients) (TVFH 501) Power line disconnection [PowerSupply removal]	•		NetWave as Source (the disconnection must be done manually)
			C.6	(TCFH 204) Frequency transients [Abnormal Operation]	•1)		Netwave as source (the disconnection must be done manually)
		TCF (Constant Frequency)	C.8	(TCF 101) Steady state voltage and frequency [Normal Operation]	•1)		
		115V	C.8	(TCF 102) Voltage transients [Normal Operation]			
		[400 Hz]	C.8	(TCF 102) Voltage modulation [Normal Operation]	•1)		
		[400 112]	C.8	(TCF 104) Voltage spikes [Normal Operation]	-		Special Pulsemodul and Coupling NetWork required (not yet planed)
			C.8	(TCF 105) Current distortion [Normal Operation]	 1) 		NetWave as Source + external 3phase Measure up to 150kHz
			C.8	(TCF 106) Voltage distortion 1 [Normal Operation]	1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
			C.8	(TCF 107) Voltage distortion 2 [Normal Operation]			NetWave as Source + external 3 x Amplifier
			C.8	(TCF 108) Voltage distortion transients [Normal Operation]	• ^{1,3)}		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
			C.8	(TCF 109) Inrush current [Normal Operation]	• ¹⁾		NetWave as Source + external 3phase Measure
			C.8	(TCF 110) Frequency modulation [Normal Operation]	 ¹⁾ 		
			C.8	(TCF 111) Voltage DC content [Normal Operation]	• ¹⁾		
			C.8	(TCF 112) Voltage modulation due to equipment [Normal Operation]	• ¹⁾		NetWave as Source + external Scope
			C.8	(TCF 113) Voltage spike due to equipment load switching [Normal Operation]	• ¹⁾		NetWave as Source + external Relay and Scope
			C.8	(TCF 114) Voltage unbalance transient	• ¹⁾		
			C.8	(TCF 201) Steady state voltage and frequency [Abnormal Operation]	•1)		
			C.8	(TCF 202) Voltage transients [Abnormal Operation]	• ¹⁾		
			C.8	(TCF 203) Voltage modulation [Abnormal Operation]	• ¹⁾		
			C.8	(TCF 204) Frequency transients [Abnormal Operation]	• ¹⁾		
			C.8	(TCF 401) Transparency time [Transfer Operation]	• ¹⁾		
			C.8	(TCF 402) Voltage switching transients 1 [Transfer Operation]	• ¹⁾		
			C.8	(TCF 403) Voltage switching transients 2 [Transfer Operation]	• ¹⁾		
			C.8	(TCF 501) Power line disconnection [Power supply removal]			NetWave as Source (the disconnection must be done manually)
		TCFH (Constant Frequency)	C.10	(TCFH 101) Steady state voltage and frequency [Normal Operation]	•1)		
		230V	C.10	(TCFH 102) Voltage transients [Normal Operation]	• ^{1,2)}		Test 1,2 up to 360Vrms
		[400 Hz]	C.10	(TCFH 103) Voltage modulation [Normal Operation]	• ¹⁾		
			C.10	(TCFH 104) Voltage spikes [Normal Operation]			Special Pulsemodul and Coupling NetWork required (not yet planed)
			C.10	(TCFH 105) Current distortion [Normal Operation]	 1) 		NetWave as Source + external 3phase Measure up to 150kHz

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Standard	Power	Class / Range	Paragraph	Test	Net	Icd Comment
			C.10	(TCFH 106) Voltage distortion 1 [Normal Operation]	• ^{1,3)}	NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
			C.10	(TCFH 107) Voltage distortion 2 [Normal Operation]		NetWave as Source + external 3 x Amplifier
			C.10	(TCFH 108) Voltage distortion transients [Normal Operation]	 1,3) 	NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
			C.10	(TCFH 109) Inrush current [Normal Operation]	 1) 	NetWave as Source + external 3phase Measure
			C.10	(TCFH 110) Frequency modulation [Normal Operation]	 1) 	
			C.10	(TCFH 111) Voltage DC content [Normal Operation]	• ¹⁾	
			C.10	(TCFH 112) Voltage modulation due to equipment [Normal Operation]	•1)	NetWave as Source + external Scope
					•1)	
			C.10	(TCFH 113) Voltage spike due to equipment load switching [Normal Operation]		NetWave as Source + external Relay and Scope
			C.10	(TCF 114) Voltage unbalance transient	• ¹⁾	
			C.10	(TCFH 201) Steady state voltage and frequency [Abnormal Operation]	• ¹⁾	
			C.10	(TCFH 202) Voltage transients [Abnormal Operation]	• ^{1,2)}	Test 1 up to 360Vrms
			C.10	(TCFH 203) Voltage modulation [Abnormal Operation]	• ¹⁾	
			C.10	(TCFH 204) Frequency transients [Abnormal Operation]	• ¹⁾	
			C.10	(TCFH 401) Transparency time [Transfer Operation]	• ¹⁾	
			C.10	(TCFH 402) Voltage switching transients 1 [Transfer Operation]	 1) 	
			C.10	(TCFH 403) Voltage switching transients 2 [Transfer Operation]	• ¹⁾	
			C.10	(TCFH 501) Power line disconnection [Power supply removal]		NetWave as Source (the disconnection must be done manually)
	DC	LDC (Low Voltage DC)	C.11	(LDC 101) Steady state voltage [Normal Operation]	•	Netwave as source (the disconnection must be done manually)
	DC					
		28V	C.11	(LDC 102) Voltage transients [Normal Operation]	• • ⁴⁾	
			C.11	(LDC 103) Voltage ripple [Normal Operation]	•"	AMP200N1 + CN200N1 required
			C.11	(LDC 104) Voltage spikes [Normal Operation]		Special Pulsemodul and Coupling NetWork required (not yet planed)
			C.11	(LDC 105) Inrush current [Normal Operation]	•	NetWave as Source + external Measure
			C.11	(LDC 106) Voltage variations due to APU starting [Normal Operation]	•	
			C.11	(LDC 107) Equipment current ripple		external Battery + external Scope
			C.11	(LDC 108) Voltage spikes due to equipment load switching	•	NetWave as Source + external Relay and Scope (Pre Compliance)
			C.11	(LDC 109) Compatibility with EPDC voltage clamping devices	•	NetWave as Source + external Relay (Pre Compliance)
			C.11	(LDC 201) Steady state voltage [Abnormal Operation]	•	
			C.11	(LDC 202) Voltage transients [Abnormal Operation]	•	
			C.11	(LDC 203) Voltage ripple [Abnormal Operation]	•4)	AMP200N1 + CN200N1 required
						AMIP200N1 + CN200N1 Tequiled
			C.11	(LDC 301) Steady state voltage [Emergency Operation]	• • ⁴⁾	
			C.11	(LDC 302) Voltage ripple [Emergency Operation]		AMP200N1 + CN200N1 required
			C.11	(LDC 303) Inrush current [Emergency Operation]	•	NetWave as Source + external Measure
			C.11	(LDC 304) Equipment current ripple [Emergency Operation]		external Battery + external Scope
			C.11	(LDC 401) Transparency time [Transfer Operation]	•	
			C.11	(LDC 402) Voltage switching transients 1 [Transfer Operation]	•	
			C.11	(LDC 403) Voltage switching transients 2 [Transfer Operation]	•	
			C.11	(LDC 501) Power line disconnection [Power supply removal]		NetWave as Source (the disconnection must be done manually)
AMD-24	AC	SVF (Variable Frequency)	C.3	(SVF 101) Steady-state voltage and frequency [Normal Operation]	•	
Revion C	nc	115V	C.3	(SVF 102) Voltage transients [Normal Operation]	•	
(2005-03)		[390 to 620 Hz]	C.3	(SVF 103) Voltage modulation [Normal Operation]	•	
(2005-03)		[390 10 620 H2]	C.3			Constitution of Councilian Notification and Councilian Notification and Construction of Construction
				(SVF 104) Voltage spikes [Normal Operation]	_	Special Pulsemodul and Coupling NetWork required (not yet planed)
			C.3	(SVF 105) Current distortion [Normal Operation]	•	NetWave as Source + external Measure up to 150kHz
			C.3	(SVF 106) Voltage distortion [Normal Operation]	•3)	NetWave as Source + external Measure up to 150kHz (Pre Compliance)
			C.3	(SVF 107) Inrush current [Normal Operation]	•	NetWave as Source + external Measure
			C.3	(SVF 108) Frequency variations [Normal Operation]	•	
			C.3	(SVF 109) Frequency modulation [Normal Operation]	•	
			C.3	(SVF 110) Voltage DC content [Normal Operation]	•	
			C.3	(SVF 111) Voltage modulation due to equipment [Normal Operation]	•	NetWave as Source + external Scope
			C.3	(SVF 112) Voltage spike due to equipment load switching [Normal Operation]	•	NetWave as Source + external Scope
			C.3	(SVF 201) Steady state voltage and frequency [Abnormal Operation]	•	
			C.3	(SVF 202) Voltage transients [Abnormal Operation]	•	
			C.3	(SVF 203) Voltage modulation [Abnormal Operation]	•	
			C.3	(SVF 301) Steady-state voltage and frequency [Emergency Operation]	•	
			C.3	(SVF 302) Voltage distortion [Emergency Operation]	• ³⁾	NetWave as Source + external Measure up to 150kHz (Pre Compliance)
			C.3	(SVF 303) Voltage distortion transients [Emergency Operation]	• ³⁾	NetWave as Source + external Measure up to 150kHz (Pre Compliance)
			C.3	(SVF 304) Frequency variations [Emergency Operation]	•	
			C.3	(SVF 305) Voltage modulation due to equipment [Emergency Operation]	•	NetWave as Source + external Scope
			C.3	(SVF 401) Transparency time [Transfer Operation]	•	
			C.3	(SVF 402) Voltage switching transients 1 [Transfer Operation]	•	
			C.3			
			0.3	(SVF 403) Voltage switching transients 2 [Transfer Operation]		
			C.3	(SVF 404) Voltage switching transients with frequency change [Transfer Operation]	•	
			C.3	(SVF 501) Power failure [Undervoltage Operation]		NetWave as Source (the disconnection must be done manually)
		SCF (Constant Frequency)	C.5	(SCF 101) Steady-state voltage and frequency [Normal Operation]	•	
		115V	C.5	(SCF 102) Voltage transients [Normal Operation]	•	
		[400 Hz]	C.5	(SCF 103) Voltage modulation [Normal Operation]	•	
			C.5	(SCF 104) Voltage spikes [Normal Operation]		Special Pulsemodul and Coupling NetWork required (not yet planed)
			C.5	(SCF 105) Current distortion [Normal Operation]	•	NetWave as Source + external Measure up to 150kHz
			C.5	(SCF 106) Voltage distortion [Normal Operation]	•3)	NetWave as Source + external Measure up to 150kHz (Pre Compliance)

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			C.5	(SCF 108) Frequency modulation [Normal Operation]	•		
			C.5	(SCF 109) Voltage DC content [Normal Operation]	•		
			C.5	(SCF 110) Voltage modulation due to equipment [Normal Operation]	•		NetWave as Source + external Scope
			C.5	(SCF 111) Voltage spike due to equipment load switching [Normal Operation]	•		NetWave as Source + external Relay and Scope
			C.5	(SCF 201) Steady-state voltage and frequency [Abnormal Operation]	•		
			C.5	(SCF 202) Voltage transients [Abnormal Operation]	•		
			C.5	(SCF 203) Voltage modulation [Abnormal Operation]	•		
			C.5	(SCF 304) Frequency variations [Emergency Operation]	•		
			C.5	(SCF 401) Transparency time [Transfer Operation]	•		
			C.5	(SCF 402) Voltage switching transients 1 [Transfer Operation]	•		
			C.5	(SCF 403) Voltage switching transients 2 [Transfer Operation]	•		
			C.5	(SCF 501) Power failure [Undervoltage Operation]			NetWave as Source (the disconnection must be done manually)
	AC 3 Phase	TVF (Variable Frequency)	C.4	(TVF 101) Steady-state voltage and frequency [Normal Operation]	•1)		
		115V	C.4	(TVF 102) Voltage transients [Normal Operation]	•1)		
		[390 to 620 Hz]	C.4	(TVF 103) Voltage modulation [Normal Operation]	• ¹⁾		
			C.4	(TVF 104) Voltage spikes [Normal Operation]			Special Pulsemodul and Coupling NetWork required (not yet planed)
			C.4	(TVF 105) Current distortion [Normal Operation]	•1)		NetWave as Source + external 3phase Measure up to 150kHz
			C.4	(TVF 106) Voltage distortion [Normal Operation]	• ^{1,3)}		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
			C.4	(TVF 107) Inrush current [Normal Operation]	•1)		NetWave as Source + external 3phase Measure
			C.4	(TVF 108) Frequency variations [Normal Operation]	•1)		
			C.4	(TVF 109) Frequency modulation [Normal Operation]	•1)		
			C.4	(TVF 110) Voltage DC content [Normal Operation]	•1)		
			C.4	(TVF 111) Voltage modulation due to equipment [Normal Operation]	• ¹⁾		NetWave as Source + external Scope
			C.4	(TVF 112) Voltage spike due to equipment load switching [Normal Operation]	• ¹⁾		NetWave as Source + external Relay and Scope
			C.4	(TVF 201) Steady state voltage and frequency [Abnormal Operation]	• ¹⁾		
			C.4	(TVF 202) Voltage transients [Abnormal Operation]	• ¹⁾		
			C.4	(TVF 203) Voltage modulation [Abnormal Operation]	• ¹⁾		
			C.4	(TVF 301) Steady-state voltage and frequency [Emergency Operation]	• ¹⁾		
			C.4	(TVF 302) Voltage distortion [Emergency Operation]	 1,3) 		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
			C.4	(TVF 303) Voltage distortion transients [Emergency Operation]	• ^{1,3)}		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
			C.4	(TVF 304) Frequency variations [Emergency Operation]	• ¹⁾		
			C.4	(TVF 305) Voltage modulation due to equipment [Emergency Operation]	• ¹⁾		NetWave as Source + external Relay and Scope
			C.4	(TVF 401) Transparency time [Transfer Operation]	• ¹⁾		
			C.4	(TVF 402) Voltage switching transients 1 [Transfer Operation]	• ¹⁾		
			C.4	(TVF 403) Voltage switching transients 2 [Transfer Operation]	• ¹⁾		
			C.4	(TVF 404) Voltage switching transients with frequency change [Transfer Operation]	• ¹⁾		
			C.4	(TVF 501) Power failure [Undervoltage Operation]			NetWave as Source (the disconnection must be done manually)
		TCF (Constant Frequency)	C.6	(TCF 101) Steady-state voltage and frequency [Normal Operation]	• ¹⁾		
		115V	C.6	(TCF 102) Voltage transients [Normal Operation]	• ¹⁾		
		[400 Hz]	C.6	(TCF 103) Voltage modulation [Normal Operation]	• ¹⁾		
			C.6	(TCF 104) Voltage spikes [Normal Operation]			Special Pulsemodul and Coupling NetWork required (not yet planed)
			C.6	(TCF 105) Current distortion [Normal Operation]	• ¹⁾		NetWave as Source + external 3phase Measure up to 150kHz
			C.6	(TCF 106) Voltage distortion [Normal Operation]	 1,3) 		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
			C.6	(TCF 107) Inrush current [Normal Operation]	• ¹⁾		NetWave as Source + external 3phase Measure
			C.6	(TCF 108) Frequency modulation [Normal Operation]	• ¹⁾		
			C.6	(TCF 109) Voltage DC content [Normal Operation]	• ¹⁾		
			C.6	(TCF 110) Voltage modulation due to equipment [Normal Operation]	• ¹⁾		NetWave as Source + external Scope
			C.6	(TCF 111) Voltage spike due to equipment load switching [Normal Operation]	• ¹⁾		NetWave as Source + external Relay and Scope
			C.6	(TCF 201) Steady-state voltage and frequency [Abnormal Operation]	• ¹⁾		
			C.6	(TCF 202) Voltage transients [Abnormal Operation]	• ¹⁾		
			C.6	(TCF 203) Voltage modulation [Abnormal Operation]	• ¹⁾		
			C.6	(TCF 304) Frequency variations [Emergency Operation]	• ¹⁾		
			C.6	(TCF 401) Transparency time [Transfer Operation]	• ¹⁾		
			C.6	(TCF 402) Voltage switching transients 1 [Transfer Operation]	• ¹⁾		
			C.6	(TCF 403) Voltage switching transients 2 [Transfer Operation]	• ¹⁾		
			C.6	(TCF 501) Power failure [Undervoltage Operation]			NetWave as Source (the disconnection must be done manually)
	DC	LDC (Low Voltage DC)	C.7	(LDC 101) Steady-state voltage [Normal Operation]	•		
	50	28V	C.7	(LDC 101-APU) Steady-state voltage [Normal Operation]	•		
			C.7	(LDC 102) Voltage transients [Normal Operation]	•		
			C.7	(LDC 102/Voltage transients [Normal Operation]			
			C.7	(LDC 102-APO) Voltage ripple [Normal Operation]	•4)		AMP200N1 + CN200N1 required
			C.7	(LDC 103) Voltage ripple [Normal Operation]	•4)		AMP200N1 + CN200N1 required
					•		Special Pulsemodul and Coupling NetWork required (not yet planed)
			C.7 C.7	(LDC 104) Voltage spikes [Normal Operation] (LDC 105) Inrush current [Normal Operation]	•		NetWave as Source + external Measure
							NetWave as Source + external Measure
			C 7				
			C.7	(LDC 105-APU) Inrush current [Normal Operation]			
			C.7	(LDC 106) Voltage variations due to APU starting [Normal Operation]	•		
							external Battery + external Scope NetWave as Source + external Relay and Scope (Pre Compliance)

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				C.7	(LDC 201) Voltage transients [Abnormal Operation]	•		
				C.7	(LDC 201-APU) Voltage transients [Abnormal Operation]	•		
				C.7	(LDC 301) Steady-state voltage [Emergency Operation]	•		
				C.7	(LDC 302) Voltage ripple [Emergency Operation]	• ⁴⁾		AMP200N1 + CN200N1 required
				C.7	(LDC 303) Inrush current [Emergency Operation]	•		NetWave as Source + external Measure
				C.7	(LDC 401) Transparency time [Transfer Operation]	•		
				C.7	(LDC 401-APU) Transparency time [Transfer Operation]	•		
				C.7	(LDC 402) Voltage switching transients 1 [Transfer Operation]	•		
				C.7	(LDC 402-APU) Voltage switching transients 1 [Transfer Operation]	•		
				C.7	(LDC 403) Voltage switching transients 2 [Transfer Operation]	•		
				C.7	(LDC 403-APU) Voltage switching transients 2 [Transfer Operation]	•		
				C.7	(LDC 501) Power failure [Undervoltage Operation]	1.2)		NetWave as Source (the disconnection must be done manually)
	Liebherr		TVFH (Variable Frequency)		(TVFH 102) Voltage transients [Normal Operation]	•1,2) 1)		Test 1,2,5,6 up to 360Vrms
	L-5424-QP-0005		230V		(TVFH 103) Voltage modulation [Normal Operation]	• ¹⁾		
	(2011-02)		[360 to 800 Hz]		(TVFH 104) Voltage spikes	• ¹⁾		Special Pulsemodul and Coupling NetWork required (not yet planed)
					(TVFH 105) Current distortion [Normal Operation] (TVFH 109) Inrush current [Normal Operation]	• 1)		NetWave as Source + external 3phase Measure up to 150kHz NetWave as Source + external 3phase Measure
					(TVFH 109) Initial current [Normal Operation] (TVFH 110) Frequency variations [Normal Operation]	• 1)		Netwave as Source + external Spriase Measure
					(TVFH 110) Frequency modulation [Normal Operation]	• 1)		
					(TVFH 112) Voltage DC content [Normal Operation]	• 1)		
					(TVFH 112) Voltage modulation due to equipment [Normal Operation]	•1)		NetWave as Source + external Scope
					(TVFH 113) Voltage spike due to equipment load switching [Normal Operation]	•1)		NetWave as Source + external Relay and Scope
					(TVFH 114) Voltage unbalance transient	• 1)		πεινανε αυ σσαιτε τ ελιειται κείαν απα στομε
					(TVFH 201) Steady state voltage and frequency [Abnormal Operation]	•1)		
					(TVFH 202) Voltage transients [Abnormal Operation]	1,2)		Test 1,2 up to 360Vrms
					(TVFH 203) Voltage modulation [Abnormal Operation]	•1)		
					(TVFH 301) Steady state voltage and frequency [Emergency Operation]	•1)		
					(TVFH 302) Voltage distortion 1 [Emergency Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
					(TVFH 303) Voltage distortion 2 [Emergency Operation]			NetWave as Source + external Amplifier
					(TVFH 304) Voltage distortion transients [Emergency Operation]	•1,3)		NetWave as Source + external 3phase Measure up to 150kHz (Pre Compliance)
					(TVFH 305) Inrush current [Emergency Operation]	•1)		NetWave as Source + external 3phase Measure
					(TVFH 306) Frequency variations [Emergency Operation]	• ¹⁾		
					(TVFH 307) Voltage modulation due to equipment [Emergency Operation]	•1)		NetWave as Source + external Relay and Scope
					(TVFH 401) Transparency time [Switching Transients]	• ¹⁾		netware as source resternar relay and scope
					(TVFH 402) Voltage switching transients 1 [Switching Transients]	 1) 		
					(TVFH 403) Voltage switching transients 2[Switching Transients]	• ¹⁾		
					(TVFH 404) Voltage switching transients with frequency [Switching Transients]	• ¹⁾		
					(TVFH 501) Power line disconnection [PowerSupply removal]			NetWave as Source (the disconnection must be done manually)
					(TCFH 204) Frequency transients [Abnormal Operation]	 1) 		
eing	7E7B3-0147	AC	Column A	3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•		
	Revision A		115 V	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•		
	(2004-08)		[360 to 800 Hz]	3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•		
				3.3.2.1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•		
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3) Frequency Transients [Normal AC Transients]	•		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•		
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•		
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics, Normal Loads			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
			Column B	3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•		
			230 V	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•		
			[360 to 800 Hz]	3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•		
				3.3.2.1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•		
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•		

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			3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•		
			3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
			3.3.2-2	(2.3) Frequency Transients [Normal AC Transients]	•		
			3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	• ²⁾		Test 64 up to 315Vrms
			3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
			3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•		
			3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•		
			3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	• ²⁾		Test 3,4 up to 315Vrms
			3.4.3.1	Maximum Power Demand (Inrush)	-		NetWave as Source + external Measure
			3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
			3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
			3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				Current Harmonics. Normal Loads			NetWave as Source + external Measure
			3.4.3.5 3.4.3.7	Power Factor			NetWave as Source + external Measure
	AC 3 Phase	Column A		(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•1)		Netwave as Source + external measure
	AC 5 Phase		3.3.2-1		•1)		
		115 V	3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	• 1)		
		[360 to 800 Hz]	3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•1)		
			3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]			
			3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
			3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	• ¹⁾		
			3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•1)		
			3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•1)		
			3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	• ¹⁾		
			3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
			3.3.2-2	(2.3) Frequency Transients [Normal AC Transients]	• ¹⁾		
			3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•1)		
			3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	• 1)		
			3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	• ¹⁾		
			3.3.2-4	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	•1)		
			3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	• ¹⁾		
			3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	• ¹⁾		
			3.4.1	Motor Start Performance for Direct Connected Three-Phase Motors			NetWave as Source
			3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
			3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
			3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
			3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
			3.4.3.5	Current Harmonics			NetWave as Source + external Measure
			3.4.3.6	Phase Unbalance			NetWave as Source + external Measure
			3.4.3.7	Power Factor			NetWave as Source + external Measure
		Column B	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	• ¹⁾		
		230 V	3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	•1)		
		[360 to 800 Hz]	3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•1)		
			3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•1)		
			3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
			3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•1)		
			3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•1)		
			3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•1)		
			3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•1)		
			3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]	-		Special Pulsemodul and Coupling NetWork required (not yet planed)
			3.3.2-2	(2.3) Frequency Transients [Normal AC Transients]	•1)		special raisemodul and coupling network required (not yet planed)
			3.3.2-2 3.3.2-3		•1,2)		Tost 6/ up to 215V/ms
				(A) Supplementary Transient Test [Supplementary Verification Tests]	• 1,1/		Test 64 up to 315Vrms
			3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•1)		
			3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•1)		
			3.3.2-4	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	• 1)		
			3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	1,2)		
			3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	• *,2)		Test 3,4 up to 315Vrms
			3.4.1	Motor Start Performance for Direct Connected Three-Phase Motors			NetWave as Source
			3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
			3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
			3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
			3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
			3.4.3.5	Current Harmonics			NetWave as Source + external Measure
			3.4.3.6	Phase Unbalance			NetWave as Source + external Measure
			3.4.3.7	Power Factor			NetWave as Source + external Measure
	DC	28V	3.3.3-1	(5.1-5.4) Normal Steady-State Voltage [Normal DC Steady-State]	•		
			3.3.3-1	(5.5) Voltage Ripple [Normal DC Steady-State]			Frequency up to 300kHz required (NetWave as Source + external Amplifier)
			3.3.3-2	(6.1) Normal Voltage Transients [Normal DC Transients]	•		
			3.3.3-2	(6.2) Voltage Spikes [Normal DC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				Tree is a second s	s] •		

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			3.3.3-3	(B) Trapezoidal Transient Test Conditions [Supplementary Verification Tests]	•	
			3.3.3-4	(7.1-7.4) Abnormal Steady-State Voltage [Abnormal DC Steady-State]	•	
			3.3.3-5	(8.1) Voltage Transients [Abnormal DC Transients]	•	
			3.4.2	DC Reverse Polarity	•	
			3.4.3.3	Load Switching Transients		NetWave as Source + external Measure
		270V	3.3.3-6	(9.1) Normal Steady-State Voltage [Normal DC Steady-State]	•	
		2700	3.3.3-6	(9.2.2) Voltage Ripple [Normal DC Steady-State]	•4)	AMP200N / N1 + CN200N1 required
					•	AMP200N / N1 + CN200N1 required
			3.3.3-7	(10.1) Voltage Transients [Normal DC Transients]	•	
			3.3.3-7	(10.2) Voltage Spikes [Normal DC Transients]		Special Pulsemodul and Coupling NetWork required (not yet planed)
			3.3.3.8	(A) Supplementary Transient Test Requirements [Supplementary Verification Tests]	•	
			3.3.3.8	(B) Trapezoidal Transient Test Conditions [Supplementary Verification Tests]	•	
			3.3.3.9	(11.1) Abnormal Steady-State Voltage [Abnormal DC Steady-State]	•	
			3.3.3.9	(11.2) Voltage Ripple [Abnormal DC Steady-State]		
			3.3.3-10	(11.3) Common Mode Voltage [Abnormal DC Steady-State]		
			3.3.3-10	(12.1) Voltage Transients [Abnormal DC Transients]	•	
			3.4.2	DC Reverse Polarity	•	
			3.4.3.1	Maximum Power Demand (Inrush)		NetWave as Source + external Measure
787B3-0147	AC	Equipment	3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•	
Revision B		Column A	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•	
(2006-04)		115 V	3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•	
(2006-04)		[360 to 800 Hz]	3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]		
		[50010000112]			•4)	AMP200N / N1 + CN200N1 required
			3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]		AMP200N / N1 + CN200N1 required
			3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•	
			3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•	
			3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•	
			3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]		Special Pulsemodul and Coupling NetWork required (not yet planed)
			3.3.2-2	(2.3.1) Frequency Variations - Maximum Ramp Rate [Normal AC Transients]	•	
			3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•	
			3.3.2-3	(B) Trapezoidal Transient Test Conditions [Supplementary Verification Tests]	•	
			3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•	
			3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•	
			3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•	
			3.3.2-5	(4.2.1) Frequency Variations - Maximum Ramp Rate [Abnormal AC Transients]	•	
			3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•	
			3.3.2-5			
				(4.3) DC Content [Abnormal AC Transients]		
			3.4.3.1	Maximum Power Demand (Inrush)		NetWave as Source + external Measure
			3.4.3.2	Dual Redundant Power Inputs		NetWave as Source + external Measure
			3.4.3.3	Load Switching Transients		NetWave as Source + external Measure
			3.4.3.4	Load Demand Variation (Modulation)		NetWave as Source + external Measure (200 Khz Sampling Rate)
			3.4.3.5	Current Harmonics		NetWave as Source + external Measure
			3.4.3.7	Power Factor		NetWave as Source + external Measure
		Ground Handling Equipment	3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•	
		Column A	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•	
		115 V	3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•	
		[360 to 800 Hz]	3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•	
			3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)	AMP200N / N1 + CN200N1 required
			3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•	
					•	
			3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]		
			3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•	
			3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•	
			3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]		Special Pulsemodul and Coupling NetWork required (not yet planed)
			3.3.2-2	(2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients]	•	
			3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•	
			3.3.2-3	(B) Trapezoidal Transient Test Conditions [Supplementary Verification Tests]	•	
			3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•	
			3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•	
			3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]		
			3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•	
			3.3.2-5	(4.3) DC Content [Abnormal AC Transients]		
					-	NotWould on Courses - outernal Managura
			3.4.3.1	Maximum Power Demand (Inrush)		NetWave as Source + external Measure
			3.4.3.2	Dual Redundant Power Inputs		NetWave as Source + external Measure
			3.4.3.3	Load Switching Transients		NetWave as Source + external Measure
			3.4.3.4	Load Demand Variation (Modulation)		NetWave as Source + external Measure (200 Khz Sampling Rate)
			3.4.3.5	Current Harmonics		NetWave as Source + external Measure
			5.4.5.5			
			3.4.3.7	Power Factor		NetWave as Source + external Measure
		Equipment	3.4.3.7	Power Factor (1.1) Individual Phase Voltage [Normal AC Steady-State]	•	
		Equipment Column B	3.4.3.7 3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•	
		Equipment Column B 235 V	3.4.3.7			

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.1) Frequency Variations - Maximum Ramp Rate [Normal AC Transients]	•		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	• ²⁾		Test 64 up to 315Vrms
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	• • ²⁾		
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]			Test 3,4 up to 315Vrms
				3.3.2-5 3.3.2-5	(4.2.1) Frequency Variations - Maximum Ramp Rate [Abnormal AC Transients] (4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•		
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
			a	3.4.3.7	Power Factor			NetWave as Source + external Measure
				3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•		
			Column B	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•		
				3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State] (1.6.1) Total Harmonic Content [Normal AC Steady-State]	•		
			[360 to 800 Hz]	3.3.2-1 3.3.2-1	(1.6.1) Iotal Harmonic Content [Normal AC Steady-State] (1.6.2) Individual Harmonic Content [Normal AC Steady-State]	• 4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•		
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients]	•		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	• ²⁾		Test 64 up to 315Vrms
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	• • 2)		
				3.3.2-5 3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients] (4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•		Test 3,4 up to 315Vrms
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•		
				3.4.3.1	Maximum Power Demand (Inrush)	-		NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs		1 1	NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.7	Power Factor			NetWave as Source + external Measure
		AC 3 Phase		3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•1) 1)		
			Column A	3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	•1) •1)		
			115 V [360 to 800 Hz]	3.3.2-1 3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State] (1.6.1) Total Harmonic Content [Normal AC Steady-State]	•1)		
			[500 t0 000 112]	3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)		AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	• ¹⁾		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	• ¹⁾		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	• ¹⁾		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]			Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.1) Frequency Variations - Maximum Ramp Rate [Normal AC Transients]	• ¹⁾		
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•1)		
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	• ¹⁾		
				3.3.2-4	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	• 1) • 1)		
				3.3.2-4 3.3.2-5	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State] (4.1) Voltage Transients [Abnormal AC Transients]	•1)		
				3.3.2-5	(4.2.1) Voltage Transients [Abnormal AC Transients] (4.2.1) Frequency Variations - Maximum Ramp Rate [Abnormal AC Transients]	• • · · · · · · · · · · · · · · · · · ·		
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•1)		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	• ¹⁾		
				3.4.1	Motor Start Performance for Direct Connected Three-Phase Motors			NetWave as Source
				3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients			NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			NetWave as Source + external Measure
				3.4.3.6	Phase Unbalance			NetWave as Source + external Measure

Area Standard Pover Class / Range Program Test Program Test Ref Ido Community Area Standard Person factor Person factor Person factor Person factor Person factor Standard Person factor 33.31 (1) Monregatoring factor facto	
Ground Hodi ling Equipment 33.2.2 12.3 Merage of Three-Phase Voltages (Namari AC Steady-State) 13.9 33.2.2 12.3 MC Xolage Moduling (Namari AC Steady-State) 13.9 33.2.2 12.3 MC Xolage Moduling (Namari AC Steady-State) 13.9 33.2.2 12.3 MC Xolage Moduling (Namari AC Steady-State) 13.2.4 11.6.3 DIC Content (Namari AC Steady-State) 33.2.4 11.3 Projectory State Frequency Moduling (Namari AC Steady-State) 33.2.5 10.3 Noting of Three-Phase Voltages (Namari AC Steady-State) 33.2.5 10.3 Noting of Three-Phase Voltages (Namari AC Steady-State) 33.2.5 10.3 Noting of Three-Phase Voltages (Namari AC S	
Column A 33.2-1 (1).4) Prase Voltage (Instance (Nermal AC Steady State) -1 13 S V 13.2-1 (1).6) Total Harmonic Content (Normal AC Steady State) -1 -1 13 S V 13.2-1 (1).6) Total Harmonic Content (Normal AC Steady State) -1 -1 13 S V (1).20 Total Harmonic Content (Normal AC Steady State) -1 -1 -1 13.2-2 (1).20 Total Harmonic Content (Normal AC Steady State) -1 -1 -1 13.2-3 (1).27 Steady State Frequency Modulation (Normal AC Steady State) -1 -1 -1 13.2-3 (1).27 Steady State Frequency Modulation (Normal AC Steady State) -1 -1 -1 13.2-3 (1).27 Steady State Frequency Modulation (Normal AC Steady State) -1 -1 -1 13.2-3 (1).23 Steady State Frequency Modulation (Normal AC Steady State) -1 -1 -1 13.2-3 (1).23 Voltage Transients (1).000000000000000000000000000000000000	
13.5 v 13.3 × 10 (A.1) (A.V. Uninge Modulation (Normal AC Steady State) • • 13.6 V 13.2 × 10 (A.1) (Content (Normal AC Steady State) • • 13.2 × 10 (A.1) (Content (Normal AC Steady State) • • • 13.2 × 10 (A.1) (Content (Normal AC Steady State) • • • 13.2 × 10 (A.2) (Content (Normal AC Steady State) • • • 13.2 × 10 (A.2) (Content (Normal AC Steady State) • • • 13.2 × 10 (A.2) (Content (Normal AC Steady State) • • • 13.2 × 10 (A.2) (Page Splate (Normal AC Transients) • • • 13.2 × 10 (A.2) (Page Splate (Normal AC Transients) • • • 13.2 × 10 (A.2) (Page Splate (Normal AC Transients) • • • 13.3 × 10 (A.2) (Page Splate (Normal AC Transients) • • • 13.3 × 10 (A.2) (Page Splate (Normal AC Transients) • • • 13.3 × 10 (A.2) (Page Splate (Normal AC Transients) • • • 13.3 × 10 (A.2) (Page Splate (Page Page Page Page Page Page Page Page	
B60 to 800 Hz) 3.3.2 (1.6.1) Total Harmonic Contrect [Normal AC Stacky-State] ** AMP2001/ N1 * CN2001X required 3.3.2 (1.6.3) DC Conternt [Normal AC Stacky-State] ** AMP2001/ N1 * CN2001X required 3.3.2 (1.6.3) DC Conternt [Normal AC Stacky-State] ** AMP2001/ N1 * CN2001X required 3.3.2 (2.3) No Conternt [Normal AC Stacky-State] ** ** ** 3.3.2 (2.3) No Conternt [Normal AC Stacky-State] ** ** ** 3.3.2 (2.3) No Conternt [Normal AC Stacky-State] ** ** ** 3.3.2 (2.3) No Conternt [Normal AC Stacky-State] **	
33.2.1 1.6.2.3 individual Namonic Context [Normal AC Steady State] •1 AMP200N / N1 + CN200H1 required 33.2.1 1.7.7 Steady State Frequency (Normal AC Steady State] •1 •1 33.2.1 1.7.7 Steady State Frequency (Normal AC Steady State] •1 •1 33.2.1 1.7.7 Steady State Frequency (Normal AC Steady State] •1 •1 33.2.2 1.7.3 Steady State Frequency (Normal AC Steady State] •1 •1 33.2.2 1.7.3 Steady State Frequency (Normal AC Steady State) •1 •1 33.2.2 1.7.3 Steady State Frequency (Normal AC Steady State) •1 •1 33.2.3 0.7.3 Prequency Variations - Frequency Variation Frequency Variation Frequency (Normal AC Steady State) •1 •1 33.2.3 0.7.3 Prequency Variation Frequency Variation Frequency Variation Frequency (Normal AC Transients) •1 •1 33.2.5 (4.7.2) Frequency Variation Frequency Frequency (Normal AC Transients) •1 NetWave as Source + external Measure 33.2.5 (4.7.2) Frequency Variation (Normal AC Transients) •1 NetWave as Source + external Measure 33.2.5 (4.2.2) Frequency Variation (Normal AC Transients) •1 NetWa	
3.3.21 (1.6.3) 0.Content komal AC Steady-State •1 Inclusion 3.3.21 (1.7) Steady-State Feguency (Notal AC Steady-State] •1 Inclusion 3.3.21 (1.7) Steady-State Feguency (Notal AC Steady-State] •1 Inclusion 3.3.21 (1.7) Values Taxistics (Notal AC Steady-State] •1 Inclusion 3.3.22 (3.1) Values Taxistics (Notal AC Transient) •1 Inclusion Inclusion 3.3.23 (0.3) Abnormal Steady-State Feguency (Notal AC Transient) •1 Inclusion Inclusion 3.3.24 (0.3) Abnormal Steady-State Feguency (Notal AC Transient) •1 Inclusion Inclusion 3.3.24 (0.3) Abnormal Steady State Feguency (Notal AC Transient) •1 Inclusion Inclusion 3.3.24 (0.3) Abnormal Steady State Feguency (Notal AC Transient) •1 Inclusion Inclusion 3.3.24 (0.3) Abnormal Steady State Feguency (Notal AC Transient) •1 Inclusion Inclusion 3.3.24 (0.3) Abnormal Steady State Feguency (Notal AC Transient) •1 Inclusion Inclusion 3.3.35 (Inclusion Feguency (Notal AC Transient) •1 Inclusion Inclusion Inclusion	
33.21 (1.7) Steady-State Frequency (Morial AC Steady-State) •1 33.23 (1.8) Frequency Modulation (Normal AC Steady-State) •1 33.23 (2.3) Voltage States (Romal AC Transients) •1 33.24 (2.3) Voltage States (Romal AC Transients) •1 33.24 (2.3) Voltage States (Romal AC Transients) •1 33.24 (2.3) Voltage Transients (Normal AC Steady-State) •1 33.24 (2.3) Voltage Transients (Normal AC Transients) •1 33.24 (2.3) Voltage Transients (Normal AC Transients) •1 33.24 (3.3) Mormal NScady State (Steady State) •1 33.25 (4.2) Voltage Transients (Normal AC Transients) •1 33.25 (3.3) Contern (Normal AC Transients) •1 33.26 (2.3) Voltage Transients (Normal AC Transients) •1 33.27 (3.3) Contern (Normal AC Transients) •1 33.26 (2.3) Voltage Transients (Normal AC Transients) •1 33.27 (3	
1 0.8) Frequency Modulation (Normal & Chearly-State) *1 Special Puisemodul and Coupling NetWork require 3.2-20 0.2) Voltage Tassisticts (Normal & Chearlsents) *1 Special Puisemodul and Coupling NetWork require 3.2-20 0.2) Voltage Tassisticts (Normal & Chearlsents) *1 Special Puisemodul and Coupling NetWork require 3.2-21 0.2) Voltage Tassisticts (Normal & Chearlsents) *1 *1 Special Puisemodul and Coupling NetWork require 3.2-23 0.2) Voltage Tassisticts (Normal & Chearlsents) *1 *1 *1 *1 3.2-24 0.2) Average of Three-Phase Voltage Tassisticts *1	
3.222 (2.1) Voltage Spiles (Normal AC Transients) ** ** 3.222 (2.2) Voltage Spiles (Normal AC Transients) ** ** 3.222 (2.2) Voltage Spiles (Normal AC Transients) ** ** 3.223 (3.3) Spolementary Transient [Stignplementary Voltacitions : Frequency Transients [Normal AC Transients] ** ** 3.224 (3.3) Appendentary Transient [Stignplementary Voltacitions : Frequency Vindication Tests] ** ** 3.225 (4.2) Voltage Spiles (Normal AC Transients] ** ** 3.225 (4.2) Voltage Spiles (Normal AC Transients] ** ** 3.225 (4.2) Voltage Spiles (Normal AC Transients] ** ** 3.225 (4.2) Voltage Spiles (Normal AC Transients] ** ** 3.225 (4.2) Voltage Spiles (Normal AC Transients] ** ** 3.235 Voltage Spiles (Normal AC Transients) ** ** 3.24 (1.3) Normal AC Transients] ** ** 3.25 (4.2) DC Content [Ahoromal AC Transients] ** ** 3.24 (1.3) Anoto Spiles (Normal AC Transients] ** ** 3.24 (1.4) Normal AC Steady Stat	
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Support 3.3-22 (2.3.2) Frequency Variations - Frequency Transients [Supplementary Vetification Tests] -1 3.3-23 (8) rapezoidal Transient Test (Supplementary Vetification Tests] -1 3.3-24 (3.2.) Average of Three-Phase Voltage [Ahonomal AC Steady-State] -1 3.3-24 (3.3.) Average of Three-Phase Voltage [Ahonomal AC Transients] -1 3.3-24 (3.3.) Voltage Transient Test Conductions [Supplementary Vetification Tests] -1 3.3-24 (3.3.) Voltage Transients [Ahonomal AC Transients] -1 3.3-25 (4.3.) Otage Transients [Ahonomal AC Transients] -1 3.3-26 (3.3.) Otage Transients [Ahonomal AC Transients] -1 3.3-26 (3.3.) Otage Transients [Ahonomal AC Transients] -1 3.3-26 (3.3.) Ot Content [Ahonomal AC Transients] -1 3.3-26 (3.3.) Ot Content [Ahonomal AC Transients] -1 3.4.3.1 Maximum Power Demand (Imrush) -1 NetWive as Source + coternal Measure 3.4.3.2 Load Switching Transients -1 NetWive as Source + coternal Measure 3.4.3.5 Power Factor -1 NetWive as Source + coternal Measure 3.4	ired (not vet planed)
3.3.3 (A) Supplementary Transient Test Supplementary Verification Tests) • • • 3.3.3 (B) rapecial Transient Test Conditions (Steady-State) • • • 3.3.4 (3.2) Average of Three-Phase Voltages (Abnormal AC Steady-State) • • • 3.3.2.4 (3.2) Average of Three-Phase Voltages (Abnormal AC Steady-State) • • • 3.3.2.5 (4.2) Ortage Transients (Abnormal AC Transients) • • • 3.3.2.5 (4.3) Ottage Transients (Abnormal AC Transients) • • • 3.3.2.5 (4.3) Ottage Transients (Abnormal AC Transients) • • 3.3.2.5 (4.3) Ottage Transients (Abnormal AC Transients) • • 3.3.2.5 (4.3) Ottage Transients (Abnormal AC Transients) • • 3.3.3.1 Maximum Power Demaid (Inrush) • • • • 3.3.3.2 Load Switching Transient Set Contexted Three Phase Motors • • • • 3.3.3.1 Load Switching Transient Set Contexted Three Phase Motors • • • • • • 3.3.3.2 Load Switching Transient Set Contexted Three Phase Motors • • • • • • 3.3.3.2 Load Switching Transient Set Contexted Three Phase Motors • • • • • • 3.3.3.1 Load Switchi	ieu (not jet planeu)
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3.3.2-4 (3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State] •1 3.3.2-4 (3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State] •1 3.3.2-4 (3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State] •1 3.3.2-5 (4.1) Voltage Transients [Abnormal AC Transients] •1 3.3.2-5 (4.2.1) Frequency Variations - Maximum Ramp Rate [Abnormal AC Transients] •1 3.3.2-5 (4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] •1 3.3.2-5 (4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] •1 3.3.2-5 (4.3.2) D C Content [Abnormal AC Transients] •1 3.3.2-5 (4.3) D C Content [Abnormal AC Transients] •1 3.4.1 Motor Start Performance for Direct Connected Three-Phase Motors •1 3.4.3.1 Maximum Power Demand (Inrush) NetWave as Source + external Measure 3.4.3.2 Dual Redundant Power Inputs NetWave as Source + external Measure 3.4.3.4 Load Demand Variation (Modulation) NetWave as Source + external Measure	
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3 / 3 5 Current Harmonics	Sampling Rate)
3.4.3.6 Phase Unbalance NetWave as Source + external Measure	
3.4.3.7 Power Factor NetWave as Source + external Measure	
Ground Handling Equipment 3.3.2-1 (1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	
Column B 3.3.2-1 (1.4) Phase Voltage Unbalance [Normal AC Steady-State] •1	
235 V 3.3.2-1 (1.5) AC Voltage Modulation [Normal AC Steady-State] • ¹	
Image: [360 to 800 Hz] 3.3.2-1 (1.6.1) Total Harmonic Content [Normal AC Steady-State] •1	
3.3.2-1 (1.6.2) Individual Harmonic Content [Normal AC Steady-State] • ⁴ AMP200N / N1 + CN200N1 required	
3.3.2-1 (1.6.3) DC Content [Normal AC Steady-State]	
3.3.2-1 (1.7) Steady-State Frequency [Normal AC Steady-State] •1	
3.3.2-1 (1.8) Frequency Modulation [Normal AC Steady-State]	
3.3.2-2 (2.1) Voltage Transients [Normal AC Transients]	
3.3.2-2 (2.2) Voltage Spikes [Normal AC Transients] Special Pulsemodul and Coupling NetWork require	ired (not yet planed)
3.3.2-2 (2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients]	
3.2-3 (A) Supplementary Transient Test [Supplementary Verification Tests] • 1.2 Test 64 up to 315Vrms	
3.3.2-3 (B) rapezoidal Transient Test Conditions [Supplementary Verification Tests] • ¹	
3.3.2-4 (3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State] • ¹⁾	
3.3.2-4 (3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State] • ¹	
3.3.2-5 (4.1) Voltage Transients [Abnormal AC Transients] • ^{1.2} Test 3,4 up to 315Vrms	

Standard	Power	Class / Range	Paragraph	Test		Icd Comment
			3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	• ¹⁾	
			3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•1)	
			3.4.1	Motor Start Performance for Direct Connected Three-Phase Motors		NetWave as Source
			3.4.3.1	Maximum Power Demand (Inrush)		NetWave as Source + external Measure
			3.4.3.2	Dual Redundant Power Inputs		NetWave as Source + external Measure
			3.4.3.3	Load Switching Transients		NetWave as Source + external Measure
			3.4.3.4	Load Demand Variation (Modulation)		NetWave as Source + external Measure (200 Khz Sampling Rate)
			3.4.3.5	Current Harmonics Phase Unbalance		NetWave as Source + external Measure
			3.4.3.6 3.4.3.7	Power Factor		NetWave as Source + external Measure NetWave as Source + external Measure
	DC	28V	3.3.3-1	(5.1-5.4) Normal Steady-State Voltage [Normal DC Steady-State]	•	
	DC	200	3.3.3-1	(5.5) Voltage Ripple [Normal DC Steady-State]		Frequency up to 300kHz required (NetWave as Source + external Amplifier)
			3.3.3-2	(6.1) Normal Voltage Transients [Normal DC Transients]	•	
			3.3.3-2	(6.2) Voltage Spikes [Normal DC Transients]		Special Pulsemodul and Coupling NetWork required (not yet planed)
			3.3.3-3	(A) Supplementary Transient Test Requirements [Supplementary Verification Tests]	•	
			3.3.3-3	(B) Trapezoidal Transient Test Conditions [Supplementary Verification Tests]	•	
			3.3.3-4	(7.1-7.4) Abnormal Steady-State Voltage [Abnormal DC Steady-State]	•	
			3.3.3-5	(8.1) Voltage Transients [Abnormal DC Transients]	•	
			3.4.2	DC Reverse Polarity	•	
			3.4.3.3	Load Switching Transients		NetWave as Source + external Measure
		270V	3.3.3-6	(9.1) Normal Steady-State Voltage [Normal DC Steady-State]	•	
			3.3.3-6	(9.2.1) Voltage Ripple - Maximum Amplitude [Normal DC Steady-State]	•	
			3.3.3-6	(9.2.2) Voltage Ripple - Differential Mode Ripple [Normal DC Steady-State]	•4)	AMP200N / N1 + CN200N1 required
			3.3.3-6	(9.3.1) Common Mode Voltage - Maximum Amplitude	• • ⁴⁾	
			3.3.3-6	(9.3.2) Common Mode Voltage - Frequency Components		AMP200N / N1 + CN200N1 required
			3.3.3-7 3.3.3-8	(10.1) Voltage Transients [Normal DC Transients] (11.1) Abnormal Steady-State Voltage [Abnormal DC Steady-State]	•	
			3.3.3-8	(11.2) Voltage Ripple - Maximum Amplitude [Abnormal DC Steady-State]		
			3.3.3-9	(11.2) Voltage Ripple - Maximum Amplitude (Abnormal DC Steady-State) (11.3) Common Mode Voltage [Abnormal DC Steady-State]		
			3.3.3-9	(12.1) Abnormal Voltage Transients [Abnormal DC Transients]	•	
			3.4.2	DC Reverse Polarity	•	
			3.4.3.1	Maximum Power Demand (Inrush)		NetWave as Source + external Measure
		130V	3.3.3-10	(13.1) Normal Steady-State Voltage [Normal DC Steady-State]	•	
			3.3.3-10	(13.2) Common Mode Voltage [Normal DC Steady-State]	•	
			3.3.3-10	(13.3) Differential Mode Ripple [Normal DC Steady-State]	•4)	AMP200N / N1 + CN200N1 required
			3.3.3-11	(14.1) Voltage Transients [Normal DC Transients]	•	
			3.3.3-12	(15.1) Abnormal Steady-State Voltage [Abnormal DC Steady-State]	•	
			3.3.3-13	(16.1) Voltage Transients [Abnormal DC Transients]	•	
			3.4.2	DC Reverse Polarity	•	
787B3-0147	AC	Equipment	3.3.2-1	(1.1) Individual Phase Voltage [Normal AC Steady-State]	•	
Revision C		Column A	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•	
(2006-10)		115 V	3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•	
		[360 to 800 Hz]	3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	4)	
			3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)	AMP200N / N1 + CN200N1 required
			3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]		
			3.3.2-1 3.3.2-2	(1.7) Steady-State Frequency [Normal AC Steady-State] (2.1) Voltage Transients [Normal AC Transients]	•	
			3.3.2-2	(2.1) Voltage Transferits [Normal AC Transferits]		Special Pulsemodul and Coupling NetWork required (not yet planed)
			3.3.2-2	(2.2.) Vottage spikes [Normal AC transients] (2.3.1) Frequency Variations - Maximum Ramp Rate [Normal AC Transients]	•	
			3.3.2-2	(2.4) Multiple Stroke Power Interrupts	•	
			3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•	
			3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•	
			3.3.2-4	(3.1) Individual Phase Voltage [Abnormal AC Steady-State]	•	
			3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	•	
			3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•	
			3.3.2-5	(4.2.1) Frequency Variations - Maximum Ramp Rate [Abnormal AC Transients]	•	
				(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•	
			3.3.2-5			
			3.3.2-5 3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•	
			3.3.2-5 3.4.3.1	(4.3) DC Content [Abnormal AC Transients] Maximum Power Demand (Inrush)	•	NetWave as Source + external Measure
			3.3.2-5 3.4.3.1 3.4.3.1	(4.3) DC Content [Abnormal AC Transients] Maximum Power Demand (Inrush) Maximum Power Demand (Inrush)	•	NetWave as Source + external Measure
			3.3.2-5 3.4.3.1 3.4.3.1 3.4.3.2	(4.3) DC Content [Abnormal AC Transients] Maximum Power Demand (Inrush) Maximum Power Demand (Inrush) Dual Redundant Power Inputs	•	NetWave as Source + external Measure NetWave as Source + external Measure
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			3.3.2-5 3.4.3.1 3.4.3.1 3.4.3.2 3.4.3.3 3.4.3.4	(4.3) DC Content [Abnormal AC Transients] Maximum Power Demand (Inrush) Maximum Power Demand (Inrush) Dual Redundant Power Inputs Load Switching Transients Load Demand Variation (Modulation)	•	NetWave as Source + external Measure NetWave as Source + external Measure NetWave as Source + external Measure NetWave as Source + external Measure (200 Khz Sampling Rate)
			3.3.2-5 3.4.3.1 3.4.3.1 3.4.3.2 3.4.3.3 3.4.3.4 3.4.3.5	(4.3) DC Content [Abnormal AC Transients] Maximum Power Demand (Inrush) Maximum Power Demand (Inrush) Dual Redundant Power Inputs Load Switching Transients Load Demand Variation (Modulation) Current Harmonics	•	NetWave as Source + external Measure NetWave as Source + external Measure NetWave as Source + external Measure NetWave as Source + external Measure (200 Khz Sampling Rate) NetWave as Source + external Measure
			3.3.2-5 3.4.3.1 3.4.3.1 3.4.3.2 3.4.3.3 3.4.3.4 3.4.3.5 3.4.3.7	(4.3) DC Content [Abnormal AC Transients] Maximum Power Demand (Inrush) Dual Redundant Power Inputs Load Switching Transients Load Demand Variation (Modulation) Current Harmonics Power Factor		NetWave as Source + external Measure NetWave as Source + external Measure NetWave as Source + external Measure NetWave as Source + external Measure (200 Khz Sampling Rate)
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						(1.7) Steady-State Frequency [Normal AC Steady-State]	•		
3.3-22 (2.3.1) Frequency Variations 3.3-22 (2.3.1) Frequency Variations 3.3-23 (3.1) Multiple Stoke Power Interrupts Test 64 up to 315Vms 3.3-24 (3.1) Multiple Stoke Power Interrupts Test 64 up to 315Vms 3.3-25 (3.1) Multiple Stoke Power Interrupts Test 64 up to 315Vms 3.3-26 (3.2) Multiple Stoke Power Interrupts Test 34 up to 315Vms 3.3-26 (4.2.1) Frequency Variations - Resimum Rame Rate Rate Rate Rate Rate Rate Rate Rat					3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•		
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3.3.4 (3.1) dividual Phase Voltage (hormal AC Steady-State) • • • 3.3.4 (3.1) Advantal Steady-State Frequency (Monomal AC Steady-State) • • • 3.3.5 (4.1) Voltage Transients (Monomal AC Transients) • • • 3.3.5 (4.1) Deciment (Manumal AC Transients) • • • 3.3.5 (4.1) Pediater/Vortations - Maximum Ramg Rate (Monomal AC Transients) • • • 3.3.5 (4.2) Deciment (Manumal AC Transients) • • • • 3.3.5 (4.2) Deciment (Manumal AC Transients) • • • • 3.3.5 (4.2) Deciment (Manumal AC Transients) • • • • 3.4.3 Load Decand valuation (Modulation) • • • • • 3.4.3 Load Decand valuation (Modulation) •					3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	• ²⁾		Test 64 up to 315Vrms
3.3.4 3.3.3.0 (3.3.3.00mmal Steady-State Figuency (Anomal AC Steady-State) • No 3.3.5 (4.1.3.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.					3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
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 A 32-55 (A-2.1) Frequency Variations - Maximum Ramp Rate [Ahnormal AC Transients] A 32-56 (A-22) Frequency Variations - Frequency Transients [Ahnormal AC Transients] A 32-57 (A-2) Frequency Variations - Frequency Transients [Ahnormal AC Transients] A 4.31 Maximum Power Demand (Inush) A 4.31 Lad Demand Power [Inputs A 4.32 Lad Demand Power [Inputs A 4.35 Current Harmonics A 4.35 Current Harmonics A 4.35 Current Harmonics A 4.35 Current Harmonics A 4.37 Power Factor NetWave as Source + external Measure NetWave as Source + externa					3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]			
33.25 (4.22) Fequency Variations : Fequency Transients [Abnormal AC Transients] • • 33.25 (4.3) 0C Content [Abnormal AC Transients] • • • 34.3.1 Maximum Power Demand (Inrush) • • • • 34.3.1 Maximum Power Demand (Inrush) • <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Test 3,4 up to 315Vrms</td>									Test 3,4 up to 315Vrms
 A a b b b b b b b b b b b b b b b b b b					3.3.2-5				
3.4.3.1 Maximum Power Demand (Inrush) Nell NetWave as Source + external Measure 3.4.3.1 Maximum Power Demand (Inrush) Nell NetWave as Source + external Measure 3.4.3.2 Dual Redundant Power Demand (Inrush) NetWave as Source + external Measure 3.4.3.1 Load Switching Transients NetWave as Source + external Measure 3.4.3.1 Load Demand Mariation (Modulation) NetWave as Source + external Measure 3.4.3.1 Load Demand Mariation (Modulation) NetWave as Source + external Measure 3.4.3.2 Current Hamonics NetWave as Source + external Measure 3.4.3.1 (1) Individual Phase Voltage (Normal AC Steady-State) NetWave as Source + external Measure Column B 3.2.2.1 (1) Individual Phase Voltage (Normal AC Steady-State) NetWave as Source + external Measure 235 V 3.2.2.1 (1) Oxtrage of Three Phase Voltage (Normal AC Steady-State) NetWave as Source + external Measure 3.2.3.1 (1.6.3) Individual Phase Voltage (Normal AC Steady-State) NetWave as Source + external Measure 235 V 3.2.2.1 (1.5.0) Individual Phase Voltage (Normal AC Steady-State) NetWave as Source + external Measure 3.2.4 (1.3.2) Individual Phase Voltage (Normal AC Steady-State) NetWave as Source + external Measure 3.2.5 (1.5.2) Individual Phase Voltage (Normal AC Steady-State) NetWav									
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3.4.3.2 Dual Redundant Power Inputs NetWave as Source + external Measure 3.4.3 Load Demand Variation (Modulation) NetWave as Source + external Measure (200 ktp. Sampling Rate) 3.4.3.4 Load Demand Variation (Modulation) NetWave as Source + external Measure (200 ktp. Sampling Rate) 3.4.3.4 Load Demand Variation (Modulation) NetWave as Source + external Measure (200 ktp. Sampling Rate) 3.4.3.7 Power Factor NetWave as Source + external Measure Column B 3.2.1 (1.3) Average Orline-Phase Voltage (Normal AC Steady-State) NetWave as Source + external Measure Column B 3.2.1 (1.2) Average Orline-Phase Voltage (Normal AC Steady-State) NetWave as Source + external Measure Column B 3.2.1 (1.2) Average Orline (Normal AC Steady-State) NetWave as Source + external Measure 3.3.2.1 (1.3) Content (Normal AC Steady-State) NetWave as Source + external Measure 3.3.2.1 (1.6) To Content (Normal AC Steady-State) NetWave as Source + external Measure 3.3.2.1 (1.6) To Content (Normal AC Steady-State) NetWave as Source + external Measure 3.3.2.1 (1.6) To Content (Normal AC Steady-State) NetWave as Source + external Measure 3.3.2.1 (1.6) To Content (Normal AC Steady-State) Second Planting Second Planting 3.3.2.1 (1.7) Steady-State) Second Planting <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
3.4.3.3 Load switching transients Image: Subsection of the state o									
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Base Source + external Measure NetWave as Source + external Measure Ground Handling Equipment 3.2.41 (1.1) Individual Phase Voltage [Normal AC Steady-State] • Column B 3.2.21 (1.2) NetWave go Three-Phase Voltages [Normal AC Steady-State] • • 235 V 3.2.21 (1.5) AC Voltage Modulation [Normal AC Steady-State] • • [360 to 800 Hz] 3.2.21 (1.6.2) Individual Harmonic Content [Normal AC Steady-State] • • 3.2.21 (1.6.2) Individual Harmonic Content [Normal AC Steady-State] • • • 3.2.21 (1.6.2) Individual Harmonic Content [Normal AC Steady-State] • • • 3.2.21 (1.6.2) Individual Harmonic Content [Normal AC Steady-State] • • • 3.2.21 (1.6.2) Individual Harmonic Content [Normal AC Steady-State] • • • 3.2.21 (1.6.2) Individual Harmonic Content [Normal AC Steady-State] • • • 3.2.21 (1.6.2) Individual Pharee Notage [Normal AC Transients] • • • 3.2.22 (2.1) Voltage Tansients [Normal AC Transients] • • • 3.2.22 (2.2) Voltage Spikes [Norm									
Image: state 3.4.7 Power factor Image: state NetWave as Source + external Measure Image: state 3.3.21 (1.1) Individual Phase Voltage (Normal AC Steady-State) Image: state Image: state 235 V 3.2.1 (1.2) Average of Three-Phase Voltage (Normal AC Steady-State) Image: state Image: state Image: state 235 V 3.2.1 (1.5) Average of Three-Phase Voltage (Normal AC Steady-State) Image: state Image: state Image: state 235 V 3.2.1 (1.5) Average of Three-Phase Voltage Adultation (Normal AC Steady-State) Image: state Image									
Ground Handling Equipment 3.2-21 (1.2) Average of Inter-Phase Voltage [Normal AC Steady-State] • Image: Comparing the Comparise the Comparing the Comparing the Comparing the Comparise the Comparise the Com									
Column B 3.3.2.1 (1.2) Average of Three-Phase Voltages [Normal AC Steady-State] • • 235 V 3.3.2.1 (1.6) AC Voltage Modulation [Normal AC Steady-State] • • [360 to 800 Hz] 3.3.2.1 (1.6.1) Total Harmonic Content [Normal AC Steady-State] • • 3.3.2.1 (1.6.2) Individual Harmonic Content [Normal AC Steady-State] • • • 3.3.2.1 (1.6.2) Individual Harmonic Content [Normal AC Steady-State] • • • 3.3.2.1 (1.6.3) Individual Marmonic Content [Normal AC Steady-State] • • • 3.3.2.1 (1.6.3) Individual Marmonic Content [Normal AC Steady-State] • • • 3.3.2.1 (1.7) Steady-State Frequency [Normal AC Steady-State] • • • 3.3.2.2 (2.1) Voltage Transients [Normal AC Transients] • • • 3.3.2.2 (2.2) Voltage Spikes [Normal AC Transients] • • • 3.3.2.2 (2.3) Voltage Spikes [Normal AC Transients] • • • 3.3.2.2 (2.3) Voltage Spikes [Normal AC Transients] • • • 3.3.2.3 (3) Supplementary tra				Cround Handling Faultan					Netwave as Source + external Measure
235 V 3.3.2.1 (1.5.) A C Voltage Modulation (Normal AC Steady-State] • Image: Control (Normal AC Steady-State) • Image: Control (Normal AC Steady-State) • AMP200N / N1 + CN200N1 required 3.2.2.1 (1.6.2) Individual Harmonic Content (Normal AC Steady-State) • • AMP200N / N1 + CN200N1 required 3.2.2.1 (1.6.2) Individual Harmonic Content (Normal AC Steady-State) • • • 3.2.2.1 (1.6.2) Content (Normal AC Steady-State) • • • 3.2.2.1 (1.7) Steady-State Frequency (Normal AC Steady-State) • • • 3.2.2.1 (1.7) Steady-State Frequency (Normal AC Steady-State) • • • 3.2.2.1 (1.8) Frequency Modulation (Normal AC Steady-State) • • • 3.2.2.2 (2.1) Voltage Spikes (Normal AC Transients) • • • • 3.2.2.2 (2.2) Voltage Spikes (Normal AC Transients) • • • • 3.2.2.2 (2.3.2) Frequency Variations - Frequency Transient Supplementary Verification Tests) • • • • 3.2.2.3 (3.3) Abnormal Steady-State) • • • •									
[360 to 800 Hz] 3.3.2-1 (1.6.1) Total Harmonic Content [Normal AC Steady-State] •• AMP200N / N1 + CN200N1 required 3.2-1 (1.6.2) Individual Harmonic Content [Normal AC Steady-State] •• AMP200N / N1 + CN200N1 required 3.2-1 (1.6.2) Individual Harmonic Content [Normal AC Steady-State] •• •• 3.2-1 (1.6.2) Individual Harmonic Content [Normal AC Steady-State] •• •• 3.2-1 (1.7) Steady-State Frequency [Normal AC Steady-State] •• •• 3.2-2 (2.1) Voltage Transients [Normal AC Transients] •• •• 3.2-2 (2.2) Voltage Spikes [Normal AC Transients] •• •• •• 3.2-2 (2.2) Voltage Transients [Normal AC Transients] •• •• •• 3.2-2 (2.2) Voltage Transients [Normal AC Transients] •• •• •• 3.2-2 (2.3) Voltage Transient Store Power Interrupts •• •• •• 3.2-2 (2.4) Multiple Stroke Power Interrupts •• •• •• 3.2-2 (2.4) Multiple Stroke Power Interrupts •• •• •• 3.2-2 (3.1) Individual Phase Voltage [Abnormal AC Steady-State] •• •• <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
3.3.2-1(1.6.2) Individual Harmonic Content [Normal AC Steady-State]•AMP200N / N1 + CN200N1 required3.3.2-1(1.6.3) DC Content [Normal AC Steady-State]•3.3.2-1(1.7) Steady-State Frequency (Normal AC Steady-State]•3.3.2-1(1.8) Frequency Modulation [Normal AC Steady-State]•3.3.2-2(2.1) Voltage Transients [Normal AC Transients]•3.3.2-2(2.1) Voltage Transients [Normal AC Transients]•3.3.2-2(2.2) Voltage Stylese, INormal AC Transients]•3.3.2-2(2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients]•3.3.2-2(2.4) Multiple Stroke Power Interrupts•3.3.2-2(2.4) Multiple Stroke Power Interrupts•3.3.2-3(A) Supplementary Verification Tests]•3.3.2-4(3.1) Individual Phase Voltage [Abnormal AC Steady-State]•3.3.2-5(4.1) Voltage Transients [Steady-State]•3.3.2-5(4.1) Voltage Transients [Abnormal AC Transients]•3.3.2-6(3.3) Abnormal AC Transients]•3.3.2-7(3.3) Abnormal AC Transients [Abnormal AC Steady-State]•3.3.2-6(3.3) Abnormal AC Transients]•3.3.2-7(3.3) Abnormal AC Transients]•3.3.2-6(4.1) Voltage Transients [Abnormal AC Transients]•3.3.2-5(4.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]•3.3.2-5(4.3.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]•3.3.2-5(4.3.2) Frequency Variations -							•		
 3.3.2-1 (1.6.3) DC Content [Normal AC Steady-State] 3.3.2-1 (1.7) Steady-State Frequency [Normal AC Steady-State] 3.3.2-1 (1.8) Frequency Modulation [Normal AC Steady-State] 3.3.2-2 (2.1) Voltage Transients [Normal AC Transients] 3.3.2-2 (2.2) Voltage Spikes [Normal AC Transients] 3.3.2-2 (2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients] 3.3.2-2 (2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients] 3.3.2-2 (2.4) Multiple Stroke Power Interrupts 3.3.2-3 (A) Supplementary Verification Tests] 3.3.2-3 (B) rapezoidal Transient Test (Supplementary Verification Tests] 3.3.2-4 (3.1) Individual Phase Voltage [Abnormal AC Steady-State] 3.3.2-5 (4.1) Voltage Transients [Abnormal AC Transients] 3.3.2-5 (4.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] 3.3.2-5 (4.3.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] 3.3.2-5 (4.3.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] 3.3.2-5 (4.3.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] 3.3.2-5 (4.3.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] 3.3.2-5 (4.3.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] 3.3.2-5 (4.3.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] 3.3.2-5 (4.3.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] 3.3.2-5 (4.3.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] 3.3.2-5 (4.3.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] 3.3.2-5 (4.3.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] 3.3.2-5 (4.3.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] 3.3.2-5 (4.3.2) Frequency Variations - Frequency Transients [Abno				[360 to 800 HZ]			-4)		AMD200N / N1 + CN200N1 required
3.3.2-1 (1.7) Steady-State Frequency [Normal AC Steady-State] • • 3.3.2-1 (1.8) Frequency Modulation [Normal AC Steady-State] • • 3.3.2-2 (2.1) Voltage Transients [Normal AC Transients] • • 3.3.2-2 (2.2) Voltage Spikes [Normal AC Transients] • • 3.3.2-2 (2.2) Voltage Spikes [Normal AC Transients] • • 3.3.2-2 (2.2) Voltage Spikes [Normal AC Transients] • • 3.3.2-2 (2.2) Voltage Spikes [Normal AC Transients] • • 3.3.2-2 (2.4) Multiple Stroke Power Interrupts • • 3.3.2-3 (A) Supplementary Transient Test [Supplementary Verification Tests] • • 3.3.2-3 (B) rapezoidal Transient Test [Supplementary Verification Tests] • • 3.3.2-4 (3.1) Individual Phase Voltage [Abnormal AC Steady-State] • • 3.3.2-4 (3.1) Normal Steady-State Frequency [Tansients] • • 3.3.2-4 (3.1) Normal AC Transients] • • 3.3.2-5 (4.1) Voltage Transient [Abnormal AC Steady-State] • • 3.3.2-5 (4.1) Voltage Transients [Abnor									
 3.3.21 (1.8) Frequency Modulation [Normal AC Steady-State] 3.3.2.2 (2.1) Voltage Transients [Normal AC Transients] 3.3.2.2 (2.2) Voltage Spikes [Normal AC Transients] 3.3.2.2 (2.2) Voltage Spikes [Normal AC Transients] 3.3.2.2 (2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients] 3.3.2.2 (2.4) Multiple Stroke Power Interrupts 3.3.2.3 (A) Supplementary Transient Test [Supplementary Verification Tests] 3.3.2.3 (A) Supplementary Transient Test [Supplementary Verification Tests] 3.3.2.4 (3.1) Individual Phase Voltage (Ahoromal AC Steady-State] 3.3.2.4 (3.3) Abnormal Steady-State Frequency [Ahoromal AC Steady-State] 3.3.2.5 (4.1) Voltage Transients [Abnormal AC Transients] 3.3.2.5 (4.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] 3.3.2.5 (4.3) DC Content [Abnormal AC Transients] 3.3.2.5 (4.3) Maximum Power Demand (Inrush) 									
3.3.2-2 (2.1) Voltage Transients [Normal AC Transients] • Image: Special Pulsemodul and Coupling NetWork required (not yet planed) 3.3.2-2 (2.2) Voltage Spikes [Normal AC Transients] • Image: Special Pulsemodul and Coupling NetWork required (not yet planed) 3.3.2-2 (2.4) Multiple Stroke Power Interrupts • Image: Special Pulsemodul and Coupling NetWork required (not yet planed) 3.3.2-2 (2.4) Multiple Stroke Power Interrupts • Image: Special Pulsemodul and Coupling NetWork required (not yet planed) 3.3.2-3 (A) Supplementary Transient Test [Supplementary Verification Tests] • Image: Special Pulsemodul and Special Pulsemodul and Coupling NetWork required (not yet planed) 3.2-4 (3.1) Individual Phase Voltage (Abnormal AC Transients] • Image: Special Pulsemodul and Special Pulsemodu Pulse P							•		
3.3.2-2 (2.2) Voltage Spikes [Normal AC Transients] Image: Special Pulsemodul and Coupling NetWork required (not yet planed) 3.3.2-2 (2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients] Image: Special Pulsemodul and Coupling NetWork required (not yet planed) 3.3.2-2 (2.4) Multiple Stroke Power Interrupts Image: Special Pulsemodul and Coupling NetWork required (not yet planed) 3.3.2-2 (2.4) Multiple Stroke Power Interrupts Image: Special Pulsemodul and Coupling NetWork required (not yet planed) 3.3.2-3 (B) rapezoidal Transient Test Conditions [Supplementary Verification Tests] Image: Special Pulsemodul and Special Pulsemodul and Coupling NetWork required (not yet planed) 3.3.2-3 (B) rapezoidal Transient Test Conditions [Supplementary Verification Tests] Image: Special Pulsemodul and Special Pulsemodul and Coupling NetWork required (not yet planed) 3.3.2-4 (3.1) Individual Phase Voltage [Abnormal AC Steady-State] Image: Special Pulsemodul and Spe									
3.3.2-2(2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients]••3.3.2-2(2.4) Multiple Stroke Power Interrupts••3.3.2-3(A) Supplementary Transient Test [Supplementary Verification Tests]••3.3.2-3(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]••3.3.2-4(3.1) Individual Phase Voltage [Ahormal AC Steady-State]••3.3.2-4(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]••3.3.2-5(4.1) Voltage Transients [Abnormal AC Transients]••3.3.2-5(4.1) Voltage Transients [Abnormal AC Transients]••3.3.2-5(4.3) DC Content [Abnormal AC Transients]••3.3.2-5(4.3) DC Content [Abnormal AC Transients]••3.3.2-5(3.3) Amornal AC Transients]••3.3.2-5(3.3) DC Content [Ahoromal AC Transients]•• <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td>Special Dulcomedul and Coupling NotWork required (not upt planed)</td></td<>							•		Special Dulcomedul and Coupling NotWork required (not upt planed)
3.3.2-2(2.4) Multiple Stroke Power Interrupts•3.3.2-3(A) Supplementary Transient Test [Supplementary Verification Tests]•33.3.2-3(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]•33.3.2-4(3.1) Individual Phase Voltage [Ahnormal AC Steady-State]•3.3.2-4(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]•3.3.2-5(4.1) Voltage Transients [Abnormal AC Transients]•3.3.2-5(4.1) Voltage Transients [Abnormal AC Transients]•3.3.2-5(4.3) DC content [Abnormal AC Transients]•3.3.2-5(4.3) DC content [Abnormal AC Transients]•3.4.3.1Maximum Power Demand (Inrush)KetWave as Source + external Measure									Special Fulsemodul and Coupling Network required (not yet planed)
3.3.2-3 (A) Supplementary Transient Test [Supplementary Verification Tests] -2 ³ Test 64 up to 315Vrms 3.3.2-3 (B) rapezoidal Transient Test Conditions [Supplementary Verification Tests] -4 -4 3.3.2-4 (3.1) Individual Phase Voltage (Abnormal AC Steady-State] -4 -4 3.3.2-4 (3.3) Abnormal Steady-State Frequency (Abnormal AC Steady-State] -4 -4 3.3.2-5 (4.1) Voltage Transients [Abnormal AC Transients] -4 -4 3.3.2-5 (4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] -4 -4 3.3.2-5 (4.3.3 DC Content [Abnormal AC Transients] -4 -4 -4 3.3.2-5 (4.3.3 DC content [Abnormal AC Transients] -4 -4 -4 3.2-5 (4.3.3 DC content [Abnormal AC Transients] -4 -4 -4 3.4.3.1 Maximum Power Demand (Inrush) -4 -4 NetWave as Source + external Measure									
3.3.2-3 (B) rapezoidal Transient Test Conditions [Supplementary Verification Tests] • 3.3.2-4 (3.1) Individual Phase Voltage [Abnormal AC Steady-State] • 3.3.2-4 (3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State] • 3.3.2-4 (3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State] • 3.3.2-5 (4.1) Voltage Transients [Abnormal AC Transients] • 3.3.2-5 (4.2) Prequency Variations - Frequency Transients [Abnormal AC Transients] • 3.3.2-5 (4.3) DC Content [Abnormal AC Transients] • 3.3.2-5 (4.3) DC Content [Abnormal AC Transients] • 3.4.3.1 Maximum Power Demand (Inrush) • NetWave as Source + external Measure									Test 64 up to 315Vrms
3.3.2-4 (3.1) Individual Phase Voltage [Abnormal AC Steady-State] • 3.3.2-4 (3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State] • 3.3.2-5 (4.1) Voltage Transients [Abnormal AC Transients] • ² 3.3.2-5 (4.2) Prequency Variations - Frequency Transients [Abnormal AC Transients] • 3.3.2-5 (4.3) DC Content [Abnormal AC Transients] • 3.4.3.1 Maximum Power Demand (Inrush) •									
3.3.2-4 (3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State] • 3.3.2-5 (4.1) Voltage Transients [Abnormal AC Transients] • ²⁷ 3.3.2-5 (4.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] • 3.3.2-5 (4.3) DC Content [Abnormal AC Transients] • 3.3.2-5 (4.3) DC content [Abnormal AC Transients] • 3.4.3.1 Maximum Power Demand (Inrush) •									
3.3.2-5(4.1) Voltage Transients [Abnormal AC Transients]•20Test 3,4 up to 315Vrms3.3.2-5(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]••3.3.2-5(4.3) DC Content [Abnormal AC Transients]••3.4.3.1Maximum Power Demand (Inrush)••									
3.3.2-5 (4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients] • 3.3.2-5 (4.3) DC Content [Abnormal AC Transients] • 3.4.3.1 Maximum Power Demand (Inrush) •									Test 3.4 up to 315Vrms
3.3.2-5 (4.3) DC Content [Abnormal AC Transients] • 3.4.3.1 Maximum Power Demand (Inrush) • NetWave as Source + external Measure									1030 JF 0p to J1 J VIIII3
3.4.3.1 Maximum Power Demand (Inrush) NetWave as Source + external Measure									
									NetWave as Source + external Measure
					3.4.3.1	Maximum Power Demand (Inrush)			NetWave as Source + external Measure

ea	Standard	Power	Class / Range	Paragraph	Test	Net le	cd Comment
				3.4.3.2	Dual Redundant Power Inputs		NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients		NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)		NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics		NetWave as Source + external Measure
				3.4.3.7	Power Factor		NetWave as Source + external Measure
		AC 3 Phase	Equipment	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•1)	
			Column A	3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	•1)	
			115 V	3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•1)	
			[360 to 800 Hz]	3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•1)	
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	• 4) • 1)	AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•1)	
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State] (2.1) Voltage Transients [Normal AC Transients]	•1)	
				3.3.2-2 3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]		Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.2.) Votage Spikes [Normal AC transients] (2.3.1) Frequency Variations - Maximum Ramp Rate [Normal AC Transients]	•1)	Special Pulseniouul and coupling Network required (not yet planed)
				3.3.2-2	(2.4) Multiple Stroke Power Interrupts	•1)	
				3.3.2-3	(A) Supplementary Transient Test [Supplementary Verification Tests]	•1)	
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•1)	
				3.3.2-4	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	•1)	
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	• ¹⁾	
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	 1) 	
				3.3.2-5	(4.2.1) Frequency Variations - Maximum Ramp Rate [Abnormal AC Transients]	 1) 	
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•1)	
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	 1) 	
				3.4.1	Motor Start Performance for Direct Connected Three-Phase Motors		NetWave as Source
				3.4.3.1	Maximum Power Demand (Inrush)		NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs		NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients		NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)		NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics		NetWave as Source + external Measure
				3.4.3.6	Phase Unbalance		NetWave as Source + external Measure
				3.4.3.7	Power Factor		NetWave as Source + external Measure
			Ground Handling Equipment	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	•1)	
			Column A	3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	•1)	
			115 V	3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•1)	
			[360 to 800 Hz]	3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•1)	
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)	AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•1) •1)	
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]		
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	• 1) • 1)	
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•=/	Constitution of the second sec
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]	•1)	Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients]	•1)	
				3.3.2-2 3.3.2-3	(2.4) Multiple Stroke Power Interrupts(A) Supplementary Transient Test [Supplementary Verification Tests]	• 1)	
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	•1)	
				3.3.2-3	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	• 1)	
				3.3.2-4	(3.2) Average of Three-Phase voltages [Abnormal AC Steady-State]	• 1)	
				3.3.2-5	(4.1) Voltage Transients [Abnormal AC Transients]	•1)	
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	•1)	
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•1)	
				3.4.1	Motor Start Performance for Direct Connected Three-Phase Motors		NetWave as Source
				3.4.3.1	Maximum Power Demand (Inrush)		NetWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs		NetWave as Source + external Measure
				3.4.3.3	Load Switching Transients		NetWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)		NetWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics		NetWave as Source + external Measure
				3.4.3.6	Phase Unbalance		NetWave as Source + external Measure
				3.4.3.7	Power Factor		NetWave as Source + external Measure
			Equipment	3.3.2-1	(1.2) Average of Three-Phase Voltages [Normal AC Steady-State]	• ¹⁾	
			Column B	3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	•1)	
			235 V	3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•1)	
			[360 to 800 Hz]	3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•1)	
				3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]	•4)	AMP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	•1)	
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]	•1)	
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•1)	
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]		Special Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.1) Frequency Variations - Maximum Ramp Rate [Normal AC Transients]	• ¹⁾	

a	Standard	Power	Class / Range	Paragraph	Test	Net	Icd Co	omment
				3.3.2-2	(A) Supplementary Transient Test [Supplementary Verification Tests]	• ^{1,2)}	Te	est 64 up to 315Vrms
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	• ¹⁾		
				3.3.2-3	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	• ¹⁾		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	• ¹⁾		
				3.3.2-4	(4.1) Voltage Transients [Abnormal AC Transients]	• ^{1,2)}	Te	est 3,4 up to 315Vrms
				3.3.2-5	(4.2.1) Frequency Variations - Maximum Ramp Rate [Abnormal AC Transients]	• ¹⁾		
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	 1) 		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	•1)		
				3.3.2-5	Motor Start Performance for Direct Connected Three-Phase Motors	-	N	etWave as Source
				3.4.3.1	Maximum Power Demand (Inrush)			etWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs	_		etWave as Source + external Measure
				3.4.3.3	Load Switching Transients			etWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			etWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			etWave as Source + external Measure
				3.4.3.6	Phase Unbalance			etWave as Source + external Measure
					Power Factor			
			Cround Handling Equipment	3.4.3.7		•1)	IN	etWave as Source + external Measure
				3.3.2-1	(1.4) Phase Voltage Unbalance [Normal AC Steady-State]	•1)		
			Column B	3.3.2-1	(1.5) AC Voltage Modulation [Normal AC Steady-State]	•1)		
			235 V	3.3.2-1	(1.6.1) Total Harmonic Content [Normal AC Steady-State]	•4)		
			[360 to 800 Hz]	3.3.2-1	(1.6.2) Individual Harmonic Content [Normal AC Steady-State]		AI	MP200N / N1 + CN200N1 required
				3.3.2-1	(1.6.3) DC Content [Normal AC Steady-State]	• ¹⁾		
				3.3.2-1	(1.7) Steady-State Frequency [Normal AC Steady-State]			
				3.3.2-1	(1.8) Frequency Modulation [Normal AC Steady-State]	•1)		
				3.3.2-2	(2.1) Voltage Transients [Normal AC Transients]	•1)		
				3.3.2-2	(2.2) Voltage Spikes [Normal AC Transients]		S	pecial Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.2-2	(2.3.2) Frequency Variations - Frequency Transients [Normal AC Transients]	• ¹⁾		
				3.3.2-2	(A) Supplementary Transient Test [Supplementary Verification Tests]	• ^{1,2)}	Te	est 64 up to 315Vrms
				3.3.2-3	(B) rapezoidal Transient Test Conditions [Supplementary Verification Tests]	• ¹⁾		
				3.3.2-3	(3.2) Average of Three-Phase Voltages [Abnormal AC Steady-State]	• ¹⁾		
				3.3.2-4	(3.3) Abnormal Steady-State Frequency [Abnormal AC Steady-State]	• ¹⁾		
				3.3.2-4	(4.1) Voltage Transients [Abnormal AC Transients]	• ^{1,2)}	Te	est 3,4 up to 315Vrms
				3.3.2-5	(4.2.2) Frequency Variations - Frequency Transients [Abnormal AC Transients]	• ¹⁾		
				3.3.2-5	(4.3) DC Content [Abnormal AC Transients]	 1) 		
				3.3.2-5	Motor Start Performance for Direct Connected Three-Phase Motors		N	etWave as Source
				3.4.3.1	Maximum Power Demand (Inrush)	-		etWave as Source + external Measure
				3.4.3.2	Dual Redundant Power Inputs			etWave as Source + external Measure
				3.4.3.3	Load Switching Transients	_		etWave as Source + external Measure
				3.4.3.4	Load Demand Variation (Modulation)			etWave as Source + external Measure (200 Khz Sampling Rate)
				3.4.3.5	Current Harmonics			etWave as Source + external Measure
				3.4.3.6	Phase Unbalance			etWave as Source + external Measure
				3.4.3.7	Power Factor			etWave as Source + external Measure
		DC	28V	3.3.3-1	(5.1-5.4) Normal Steady-State Voltage [Normal DC Steady-State]	•		
		DC	200	3.3.3-1	(5.5) Voltage Ripple [Normal DC Steady-State]	-	Er.	requests up to 200kHz required (NetWays as Source), external Amplifier)
						•	I III	requency up to 300kHz required (NetWave as Source + external Amplifier)
				3.3.3-2	(6.1) Normal Voltage Transients [Normal DC Transients]			nesial Dulcomedul and Coupling NotWork required (not ust planed)
				3.3.3-2	(6.2) Voltage Spikes [Normal DC Transients]		5	pecial Pulsemodul and Coupling NetWork required (not yet planed)
				3.3.3-2	(6.3) Multiple Stroke Power Interrupts	•		
				3.3.3-3	(A) Supplementary Transient Test Requirements [Supplementary Verification Tests]	•		
				3.3.3-3	(B) Trapezoidal Transient Test Conditions [Supplementary Verification Tests]	•		
				3.3.3-4	(7.1-7.4) Abnormal Steady-State Voltage [Abnormal DC Steady-State]	•		
				3.3.3-5	(8.1) Voltage Transients [Abnormal DC Transients]	•		
				3.4.2	DC Reverse Polarity	•		
				3.4.3.3	Load Switching Transients		N N	etWave as Source + external Measure
			270V	3.3.3-6	(9.1) Normal Steady-State Voltage [Normal DC Steady-State]	•		
				3.3.3-6	(9.2.1) Voltage Ripple - Maximum Amplitude [Normal DC Steady-State]	•		
				3.3.3-6	(9.2.2) Voltage Ripple - Differential Mode Ripple [Normal DC Steady-State]	•4)	A	MP200N / N1 + CN200N1 required
				3.3.3-6	(9.3.1) Common Mode Voltage - Maximum Amplitude	•		
				3.3.3-6	(9.3.2) Common Mode Voltage - Frequency Components	• ⁴⁾	A	MP200N / N1 + CN200N1 required
				3.3.3-7	(10.1) Voltage Transients [Normal DC Transients]	•		
				3.3.3-8	(11.1) Abnormal Steady-State Voltage [Abnormal DC Steady-State]	•		
				3.3.3-8	(11.2) Voltage Ripple - Maximum Amplitude [Abnormal DC Steady-State]	•		
				3.3.3-9	(11.3) Common Mode Voltage [Abnormal DC Steady-State]			
				3.3.3-9	(12.1) Abnormal Voltage Transients [Abnormal DC Transients]	•		
				3.4.2	DC Reverse Polarity	•		
				3.4.3.1	Maximum Power Demand (Inrush)		N	etWave as Source + external Measure
			130V	3.3.3-10	(13.1) Normal Steady-State Voltage [Normal DC Steady-State]	•		
			1500	3.3.3-10	(13.2) Common Mode Voltage [Normal DC Steady-State]	•		
				3.3.3-10	(13.2) Common Mode Voltage [Normal DC Steady-State]	•4)		MP200N / N1 + CN200N1 required
					(13.3) Differential Mode Ripple [Normal DC Steady-State] (14.1) Voltage Transients [Normal DC Transients]	• *	A	
				3.3.3-11				
				3.3.3-12	(15.1) Abnormal Steady-State Voltage [Abnormal DC Steady-State]	•	1	

rea	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
				3.3.3-13	(16.1) Voltage Transients [Abnormal DC Transients]	•		
				3.4.2	DC Reverse Polarity	•		
OST	19705_89	AC	115 V	1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 1	•		
0.51	17705_07	Inc.	119 4	1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 2			
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 2			
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 3			
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 4			
				1.1				
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 6			
					1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 7			
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 8			
				1.2	1.2 Check of receivers - Test cycles for ac voltage - Table 14 - Cycle 1			
				1.2	1.2 Check of receivers - Test cycles for ac voltage - Table 14 - Cycle 2	•		
				1.2	1.2 Check of receivers - Test cycles for ac voltage - Table 14 - Cycle 3	•		
				1.3	1.3 Check of receivers - Test cycles for ac voltage - Table 15 - Cycle 1	•		
				1.3	1.3 Check of receivers - Test cycles for ac voltage - Table 15 - Cycle 2	•		
				1.3	1.3 Check of receivers - Test cycles for ac voltage - Table 15 - Cycle 3	•		
				1.3	1.3 Check of receivers - Test cycles for ac voltage - Table 15 - Cycle 4	•		
				1.4	1.4 Check of receivers - Test cycles for ac voltage - Table 16 - Cycle 1	•		
				1.4	1.4 Check of receivers - Test cycles for ac voltage - Table 16 - Cycle 2	•		
				1.4	1.4 Check of receivers - Test cycles for ac voltage - Table 16 - Cycle 3	•		
				1.4	1.4 Check of receivers - Test cycles for ac voltage - Table 16 - Cycle 4	•		
		AC 3 Phase	115 V	1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 1	• ¹⁾		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 2	• ¹⁾		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 3	• ¹⁾		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 4	• ¹⁾		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 5	• ¹⁾		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 6	• ¹⁾		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 7	• ¹⁾		
				1.1	1.1 Check of receivers - Test cycles for ac voltage - Table 13 - Cycle 8	• ¹⁾		
				1.2	1.2 Check of receivers - Test cycles for ac voltage - Table 14 - Cycle 1	• ¹⁾		
				1.2	1.2 Check of receivers - Test cycles for ac voltage - Table 14 - Cycle 2	• ¹⁾		
				1.2	1.2 Check of receivers - Test cycles for ac voltage - Table 14 - Cycle 3	•1)		
				1.3	1.3 Check of receivers - Test cycles for ac voltage - Table 15 - Cycle 1	•1)		
				1.3	1.3 Check of receivers - Test cycles for ac voltage - Table 15 - Cycle 2	•1)		
				1.3	1.3 Check of receivers - Test cycles for ac voltage - Table 15 - Cycle 2	•1)		
					1.3 Check of receivers - Test cycles for ac voltage - Table 15 - Cycle 3	•1)		
				1.3		• 1)		
				1.4	1.4 Check of receivers - Test cycles for ac voltage - Table 16 - Cycle 1	•1)		
				1.4	1.4 Check of receivers - Test cycles for ac voltage - Table 16 - Cycle 2	•1)		
				1.4	1.4 Check of receivers - Test cycles for ac voltage - Table 16 - Cycle 3	• -) • 1)		
				1.4	1.4 Check of receivers - Test cycles for ac voltage - Table 16 - Cycle 4			
		DC	27 V	2.1	2.1 Check of receivers - Test cycles for ac voltage - Table 17 - Cycle 1	•		
				2.1	2.1 Check of receivers - Test cycles for ac voltage - Table 17 - Cycle 2	•		
				2.1	2.1 Check of receivers - Test cycles for ac voltage - Table 17 - Cycle 3	•		
				2.1	2.1 Check of receivers - Test cycles for ac voltage - Table 17 - Cycle 4	•		
				2.2	2.2 Check of receivers - Test cycles for ac voltage - Table 18 - Cycle 1	•		
				2.2	2.2 Check of receivers - Test cycles for ac voltage - Table 18 - Cycle 2	•		
				2.2	2.2 Check of receivers - Test cycles for ac voltage - Table 18 - Cycle 3	•		
				2.3	2.3 Check of receivers - Test cycles for ac voltage - Table 19 - Cycle 1	•		
				2.3	2.3 Check of receivers - Test cycles for ac voltage - Table 19 - Cycle 2	•		
				2.3	2.3 Check of receivers - Test cycles for ac voltage - Table 19 - Cycle 3	•		
				2.3	2.3 Check of receivers - Test cycles for ac voltage - Table 19 - Cycle 4	•		
				2.4	2.4 Check of receivers - Test cycles for ac voltage - Table 20 - Cycle 1	•		
				2.4	2.4 Check of receivers - Test cycles for ac voltage - Table 20 - Cycle 2	•		
				2.4	2.4 Check of receivers - Test cycles for ac voltage - Table 20 - Cycle 3	•		
				2.5	2.5 Check of receivers - Test cycles for ac voltage - Table 21 - Cycle 1	•		
				2.5	2.5 Check of receivers - Test cycles for ac voltage - Table 21 - Cycle 2	•		
				2.5	2.5 Check of receivers - Test cycles for ac voltage - Table 21 - Cycle 2	•		
				2.5	2.5 Check of receivers - Test cycles for ac voltage - Table 21 - Cycle 4	•		
itary	AECTP-500			15	CS01, conducted susceptibility, power leads, 30 Hz to 150 kHz	•		AMP200N1 + CN200N1 or CWS500N3 required
	Edition 3			20	CS09, conducted susceptibility, structure current, 60 Hz to 100 kHz	•	•	AMP200N1 + CN200N1 or CWS500N3 required
	(2009-02)			31	RS01, radiated susceptibility, magnetic field, 30 Hz to 100 kHz (Radiating Loop)	•	•	AMP200N1 (180dBpT with Solar Antenne 10.52A)
				31	RS01, radiated susceptibility, magnetic field, 30 Hz to 100 kHz (Helmholtz)	•	L	AMP200N1 (only Air and Sea)
	MIL-STD-461C			5.7	CS01, conducted susceptibility, power leads, 30 Hz to 150 kHz		•	AMP200N1 + CN200N1 or CWS500N3 required
	(1986-08)			5.12	CS09, conducted susceptibility, structure current, 60 Hz to 100 kHz		•	AMP200N1 + CN200N1 or CWS500N3 required
				5.19	RS01, radiated susceptibility, magnetic field, 30 Hz to 100 kHz		•	AMP200N1 (160dBpT with solar antenna 1.05A) or CWS500N3 required
	MIL-STD-461D			5.7	CS101, conducted susceptibility, power leads, 30 Hz to 150 kHz	•	•	AMP200N1 + CN200N1 or CWS500N3 required
	(1993-01)			5.12	CS109, conducted susceptibility, structure current, 60 Hz to 100 kHz	•	•	AMP200N1 + CN200N1 or CWS500N3 required
				5.13	CS114, conducted susceptibility, bulk cable injection, 10 kHz to 200 MHz		•	CWS500N2
				5.14	RS101, radiated susceptibility, magnetic field, 30 Hz to 100 kHz	•		AMP200N1 or CWS500N3 required

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MIL-STD-461E			5.7	CS101, conducted susceptibility, power leads, 30 Hz to 150 kHz	•	•	AMP200N1 + CN200N1 or CWS500N3 required
(1999-08)			5.12	CS109, conducted susceptibility, structure current, 60 Hz to 100 kHz	•	•	AMP200N1 + CN200N1 or CWS500N3 required
			5.13	CS114, conducted susceptibility, bulk cable injection, 10 kHz to 200 MHz		•	CWS500N2
			5.14	RS101, radiated susceptibility, magnetic field, 30 Hz to 100 kHz	•	•	AMP200N1 (180dBpT with Solar Antenne 10.52A) or CWS500N3 required
MIL-STD-461F			5.7	CS101, conducted susceptibility, power leads, 30 Hz to 150 kHz	•	•	AMP200N1 + CN200N1 required
(2007-12)			5.12	CS109, conducted susceptibility, structure current, 60 Hz to 100 kHz	•	•	AMP200N1 + CN200N1 required
			5.13	CS114, conducted susceptibility, bulk cable injection, 10 kHz to 200 MHz		•	CWS500N2
			5.14	RS101, radiated susceptibility, magnetic field, 30 Hz to 100 kHz (Radition Loop)	•	•	AMP200N1 (180dBpT with Solar Antenne 10.52A) or CWS500N3 required
			5.14	RS101, radiated susceptibility, magnetic field, 30 Hz to 100 kHz (Helmholtz)	•		AMP200N1 (only Navy)
	AC	SAC (Constant Frequency)		(SAC 101) Load and Current Harmonic Measurements [Normal Operation]	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
(2004-03)		115V		(SAC 102) Steady State Limits for Voltage and Frequency [Normal Operation]	•		
		[400 Hz]		(SAC 104) Voltage Modulation [Normal Operation] (SAC 105) Frequency Modulation [Normal Operation]			
				(SAC 106) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required
				(SAC 106) Voltage Distortion Spectrum [Normal Operation]			AMP200N1 + CN200N1 Tequired
				(SAC 108) DC Voltage Component [Normal Operation]	•		
				(SAC 109) Normal Voltage Transients [Normal Operation]	•		
				(SAC 110) Normal Frequency Transients [Normal Operation]	•		
				(SAC 201) Power Interrupt [Transfer Operation]	•		
				(SAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
				(SAC 302) Abnormal Voltage Transients [Abnormal Operation]	•		
				(SAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
				(SAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
				(SAC 601) Power Failure (Single Phase) [Power Failure Operation]	•		
				(SAC 603) Phase Reversal [Power Failure Operation]	•		
		SVF (Variable Frequency)		(SVF 101) Load and Current Harmonic Measurements [Normal Operation]	• ⁵⁾		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		115V		(SVF 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
		[360 to 800 Hz]		(SVF 104) Voltage Modulation [Normal Operation]	•		
				(SVF 105) Frequency Modulation [Normal Operation]	•		
				(SVF 106) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required
				(SVF 107) Total Voltage Distortion [Normal Operation]	•		
				(SVF 108) DC Voltage Component [Normal Operation]	•		
				(SVF 109) Normal Voltage Transients [Normal Operation]	•		
				(SVF 110) Normal Frequency Transients [Normal Operation]	•		
				(SVF 201) Power Interrupt [Transfer Operaion]	•		
				(SVF 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
				(SVF 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
				(SVF 303) Abnomal Frequency Transients [Abnormal Operation]	•		
				(SVF 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
				(SVF 601) Power Failure (Single Phase) [Power Failure Operation]	•		
		EVE (Constant Executon av)	_	(SVF 603) Phase Reversal [Power Failure Operation] (SXF 101) Load and Current Harmonic Measurements [Normal Operation]	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		SXF (Constant Frequency) 115V		(SXF 101) Load and Current Harmonic Measurements [Normal Operation] (SXF 102) Steady State Limits for Voltage and Frequency [Normal Operation]	•		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		[60 Hz]		(SXF 102) Steady State Links for Voltage and Frequency [Normal Operation]	•		
		[00 112]		(SXF 105) Frequency Modulation [Normal Operation]			
				(SXF 106) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required
				(SXF 107) Total Voltage Distortion [Normal Operation]	•		
				(SXF 108) DC Voltage Component [Normal Operation]	•		
				(SXF 109) Normal Voltage Transients [Normal Operation]	•		
				(SXF 110) Normal Frequency Transients [Normal Operation]	•		
				(SXF 201) Power Interrupt [Transfer Operaion]	•		
				(SXF 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
				(SXF 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
				(SXF 303) Abnomal Frequency Transients [Abnormal Operation]	•		
				(SXF 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
				(SXF 601) Power Failure (Single Phase) [Power Failure Operation]	•		
				(SXF 603) Phase Reversal [Power Failure Operation]	•		
	AC 3 Phase	TAC (Constant Frequency)		(TAC 101) Load and Current Harmonic Measurements [Normal Operation]	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
		115V		(TAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
		[400 Hz]		(TAC 103) Voltage Phase Difference [Normal Operation]	•		
				(TAC 104) Voltage Modulation [Normal Operation]	•		
				(TAC 105) Frequency Modulation [Normal Operation]	•		
				(TAC 106) Voltage Distortion Spectrum [Normal Operation]	• ⁴⁾		AMP200N1 + CN200N1 required
				(TAC 107) Total Voltage Distortion [Normal Operation]	•		
				(TAC 108) DC Voltage Component [Normal Operation]	•		
				(TAC 109) Normal Voltage Transients [Normal Operation]	•		
				(TAC 110) Normal Frequency Transients [Normal Operation]	•		
				(TAC 201) Power Interrupt [Transfer Operation]	•		

Area

Standard	Power	Class / Range	Paragraph Test	Net	Icd	Comment
			(TAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
			(TAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
			(TAC 401) Emergency Limits for Voltage and Frequency [Emergency Operat			
			(TAC 601) Power Failure (Three Phase) [Power Failure Operation]	•		
			(TAC 602) One and Two Phase Power Failure [Power Failure Operation]	•		
			(TAC 602) One and two Phase Power Particle (Power Particle Operation)			
		T (5.4)		1,5)		
		TVF (Variable Frequency)	(TVF 101) Load and Current Harmonic Measurements [Normal Operation]			Option NWBoard 3 Phase and Analyse License required
		115V	(TVF 102) Steady State Limits for Voltage and Frequency [Normal Operaior			
		[360 to 800 Hz]	(TVF 103) Voltage Phase Difference [Normal Operation]	•		
			(TVF 104) Voltage Modulation [Normal Operation]	•		
			(TVF 105) Frequency Modulation [Normal Operation]	•		
			(TVF 106) Voltage Distortion Spectrum [Normal Operation]	• ⁴⁾		AMP200N1 + CN200N1 required
			(TVF 107) Total Voltage Distortion [Normal Operation]	•		
			(TVF 108) DC Voltage Component [Normal Operation]	•		
			(TVF 109) Normal Voltage Transients [Normal Operation]	•		
			(TVF 110) Normal Frequency Transients [Normal Operation]	•		
			(TVF 110) Normal Frequency Transfer Operation]			
				. ·		
			(TVF 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation			
			(TVF 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
			(TVF 303) Abnomal Frequency Transients [Abnormal Operation]	•		
			(TVF 401) Emergency Limits for Voltage and Frequency [Emergency Operat	ion] •		
			(TVF 601) Power Failure (Three Phase) [Power Failure Operation]	•		
			(TVF 602) One and Two Phase Power Failures [Power Failure Operation]	•		
			(TVF 603) Phase Reversal [Power Failure Operation]	•		
	DC	LDC (Low Voltage DC)	(LDC 101) Load Measurements [Normal Operation]	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		28V	(LDC 101) Eoad Measurements [Normal Operation] (LDC 102) Steady State Limits for Voltage [Normal Operation]	•		option integrated / integrated of hase and Analyse Electice required
		201	(LDC 102) Steady State Limits for Voltage [Normal Operation]	4)		AMP200N1 + CN200N1 required for LDC103 C-K, Filterbox required for LDC103 A+B
			(LDC 104) Total Ripple [Normal Operation]	•		Filterbox required
			(LDC 105) Normal Voltage Transients [Normal Operation]	•		
			(LDC 201) Power Interrupt [Transfer Operation]	•		
			(LDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•		
			(LDC 302) Abnormal Voltage Transients [Abnomal Operation]	•		
			(LDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
			(LDC 501) Starting Voltage Transients [Starting Operation]	•		
			(LDC 601) Power Failure [Power Failure Operation]	•		
			(LDC 602) Polarity Reversal [Power Failure Operation]			
		HDC (High Voltage DC)	(HDC 101) Load Measurements [Normal Operation]	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
						Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		270V	(HDC 102) Steady State Limits for Voltage [Normal Operation]	•		
			(HDC 103) Voltage Distortion Spectrum [Normal Operation]	•		AMP200N1 + CN200N1 required for HDC103 C-K, Filterbox required for HDC103 A+E
			(HDC 104) Total Ripple [Normal Operation]	•		Filterbox required
			(HDC 105) Normal Voltage Transients [Normal Operation]	•		
			(HDC 201) Power Interrupt [Transfer Operation]	•		
			(HDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]] •		
			(HDC 302) Abnormal Voltage Transients [Abnomal Operation]	•		
			(HDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
			(HDC 501) Starting Voltage Transients [Starting Operation]	•		
			(HDC 601) Starting Votage Hanstens [Starting Operation] (HDC 601) Power Failure [Power Failure Operation]			
MUL CTD TO IS	10	SAC (Compton) 5	(HDC 602) Polarity Reversal [Power Failure Operation]	•		
MIL-STD-704E		SAC (Constant Frequency)	(SAC 101) Load and Current Harmonic Measurements [Normal Operation]			Option NWBoard / NWBoard 3 Phase and Analyse Licence required
(1991-05)		115V	(SAC 102) Steady State Limits for Voltage and Frequency [Normal Operaio			
		[400 Hz]	(SAC 104) Voltage Modulation [Normal Operation]	•		
			(SAC 105) Frequency Modulation [Normal Operation]	•		
			(SAC 106) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required
			(SAC 107) Total Voltage Distortion [Normal Operation]	•		
			(SAC 108) DC Voltage Component [Normal Operation]	•		
			(SAC 109) Normal Voltage Transients [Normal Operation]	•		
			(SAC 109) Normal Vottage Hanslents [Normal Operation]			
			(SAC 201) Power Interrupt [Transfer Operation]	n] •		
			(SAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation			
			(SAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
			(SAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
			(SAC 401) Emergency Limits for Voltage and Frequency [Emergency Opera			
			(SAC 601) Power Failure (Single Phase) [Power Failure Operation]	•		
	AC 3 Phase	TAC (Constant Frequency)	(TAC 101) Load and Current Harmonic Measurements [Normal Operation]	• ^{1,5)}		Option NWBoard 3 Phase and Analyse License required
		115V	(TAC 102) Steady State Limits for Voltage and Frequency [Normal Operation]			
		[400 Hz]	(TAC 102) Stady state Emits for Voltage and requerty [Normal Operation]	•		
		[400 112]	(TAC 105) Voltage Phase Difference [Normal Operation] (TAC 104) Voltage Modulation [Normal Operation]			
			(TAC 105) Frequency Modulation [Normal Operation] (TAC 106) Voltage Distortion Spectrum [Normal Operation]	•		
						AMP200N1 + CN200N1 required

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			. u.u.g.up.i	(TAC 107) Total Voltage Distortion [Normal Operation]	•		
				(TAC 108) DC Voltage Component [Normal Operation]	•		
				(TAC 109) Normal Voltage Transients [Normal Operation]	•		
				(TAC 110) Normal Frequency Transients [Normal Operation]	•		
				(TAC 201) Power Interrupt [Transfer Operaion]	•		
				(TAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
				(TAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
				(TAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
				(TAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
				(TAC 601) Power Failure (Three Phase) [Power Failure Operation]	•		
				(TAC 602) One and Two Phase Power Failures [Power Failure Operation]	•		
	DC	LDC (Low Voltage DC)		(LDC 101) Load Measurements [Normal Operation]	 ⁵⁾ 		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		28V		(LDC 102) Steady State Limits for Voltage [Normal Operation]	•		
				(LDC 103) Voltage Distortion Spectrum [Normal Operation]	•4)		AMP200N1 + CN200N1 required for LDC103 C-K, Filterbox required for LDC103 A+B
				(LDC 104) Total Ripple [Normal Operation]	•		Filterbox required
				(LDC 105) Normal Voltage Transients [Normal Operation]	•		
				(LDC 201) Power Interrupt [Transfer Operation]	•		
				(LDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•		
				(LDC 302) Abnormal Voltage Transients [Abnomal Operation]	•		
				(LDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
				(LDC 501) Starting Voltage Transients [Starting Operation]	•		
		HDC (High Voltage DC)	-	(LDC 601) Power Failure [Power Failure Operation]	• 5)		Option NWPport / NWPport 2 Dhace and Applyce Licence required
		HDC (High Voltage DC) 270V		(HDC 101) Load Measurements [Normal Operation] (HDC 102) Steady State Limits for Voltage [Normal Operation]			Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		2700		(HDC 102) Steady State Limits for Voltage [Normal Operation]			AMP200N1 + CN200N1 required for HDC103 C-K, Filterbox required for HDC103 A+B
				(HDC 105) Votage Distortion Spectrum [Normal Operation]			Filterbox required
				(HDC 104) Total Ripple [Normal Operation] (HDC 105) Normal Voltage Transients [Normal Operation]			Fillerbox required
				(HDC 201) Power Interrupt [Transfer Operation]			
				(HDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]			
				(HDC 302) Abnormal Voltage Transients [Abnomal Operation]			
				(HDC 401) Emergency Limits for Voltage [Emercency Operation]	•		
				(HDC 501) Starting Voltage Transients [Starting Operation]			
				(HDC 601) Power Failure [Power Failure Operation]	•		
MIL-STD-704	AC	SAC (Constant Frequency)		(SAC 101) Load and Current Harmonic Measurements [Normal Operation]	•5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
(1980-09)		115V		(SAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•		
		[400 Hz]		(SAC 105) Frequency Modulation [Normal Operation]	•		
				(SAC 106) Voltage Distortion Spectrum [Normal Operation]	• ⁴⁾		AMP200N1 + CN200N1 required
				(SAC 107) Total Voltage Distortion [Normal Operation]	•		
				(SAC 108) DC Voltage Component [Normal Operation]	•		
				(SAC 109) Normal Voltage Transients [Normal Operation]	•		
				(SAC 110) Normal Frequency Transients [Normal Operation]	•		
				(SAC 201) Power Interrupt [Transfer Operaion]	•		
				(SAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
				(SAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•		
				(SAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
				(SAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
	10.0.01			(SAC 601) Power Failure (Single Phase) [Power Failure Operation]	• 1,5)		
	AC 3 Phase	TAC (Constant Frequency)		(TAC 101) Load and Current Harmonic Measurements [Normal Operation] (TAC 102) Steady State Limits for Voltage and Frequency [Normal Operation]			Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		115V			•		
		[400 Hz]		(TAC 103) Voltage Phase Difference [Normal Operation]			
				(TAC 104) Voltage Modulation [Normal Operation] (TAC 105) Frequency Modulation [Normal Operation]			
				(TAC 105) Frequency Modulation [Normal Operation]	•4)		AMP200N1 + CN200N1 required
				(TAC 107) Total Voltage Distortion [Normal Operation]			AMP200N1 + CN200N1 required
				(TAC 107) Total Voltage Distortion [Normal Operation]			
				(TAC 109) Normal Voltage Transients [Normal Operation]			
				(TAC 110) Normal Frequency Transients [Normal Operation]			
				(TAC 201) Power Interrupt [Transfer Operation]	•		
				(TAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•		
				(TAC 302) Abnormal Voltage Transients [Abnormal Operation]	•		
				(TAC 303) Abnomal Frequency Transients [Abnormal Operation]	•		
				(TAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•		
				(TAC 601) Power Failure (Three Phase) [Power Failure Operation]	•		
				(TAC 602) One and Two Phase Power Failures [Power Failure Operation]	•		
	DC	LDC (Low Voltage DC)		(LDC 101) Load Measurements [Normal Operation]	• 5)		Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		28V		(LDC 102) Steady State Limits for Voltage [Normal Operation]	•		
				(LDC 103) Voltage Distortion Spectrum [Normal Operation]	• ⁴⁾		AMP200N1 + CN200N1 required for LDC103 C-K, Filterbox required for LDC103 A+B
				(LDC 104) Total Ripple [Normal Operation]	•		Filterbox required

Standard	Power	Class / Range	Paragraph Test	Net	Icd Comment
			(LDC 201) Power Interrupt [Transfer Operation]	•	
			(LDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•	
			(LDC 302) Abnormal Voltage Transients [Abnomal Operation]	•	
			(LDC 401) Emergency Limits for Voltage [Emercency Operation] (LDC 501) Starting Voltage Transients [Starting Operation]	•	
			(LDC 601) Power Failure [Power Failure Operation]		
		VDC (High Voltage DC)	(HDC 101) Load Measurements [Normal Operation]	• ⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		270V	(HDC 102) Steady State Limits for Voltage [Normal Operation]	•	
			(HDC 103) Voltage Distortion Spectrum [Normal Operation]	•	AMP200N1 + CN200N1 required for HDC103 C-K, Filterbox required for HDC103 A+E
			(HDC 104) Total Ripple [Normal Operation]	•	Filterbox required
			(HDC 105) Normal Voltage Transients [Normal Operation]	•	
			(HDC 201) Power Interrupt [Transfer Operation] (HDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•	
			(HDC 302) Abnormal Voltage Transients [Abnomal Operation]		
			(HDC 401) Emergency Limits for Voltage [Emercency Operation]	•	
			(HDC 501) Starting Voltage Transients [Starting Operation]	•	
			(HDC 601) Power Failure [Power Failure Operation]	•	
MIL-STD-704C	AC	SAC (Constant Frequency)	(SAC 101) Load and Current Harmonic Measurements [Normal Operation]	• ⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
(1977-12)		115V	(SAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•	
		[400 Hz]	(SAC 105) Frequency Modulation [Normal Operation]	•	
			(SAC 106) Voltage Distortion Spectrum [Normal Operation]	•4)	AMP200N1 + CN200N1 required
			(SAC 107) Total Voltage Distortion [Normal Operation] (SAC 108) DC Voltage Component [Normal Operation]	•	
			(SAC 108) DC Voltage Component [Normal Operation]		
			(SAC 110) Normal Frequency Transients [Normal Operation]	•	
			(SAC 201) Power Interrupt [Transfer Operaion]	•	
			(SAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•	
			(SAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•	
			(SAC 303) Abnomal Frequency Transients [Abnormal Operation]	•	
			(SAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation] •	
	AC 2 Dhaco	TAC (Constant Frequency)	(SAC 601) Power Failure (Single Phase) [Power Failure Operation] (TAC 101) Load and Current Harmonic Measurements [Normal Operation]	1,5)	Option NWBoard 3 Phase and Analyse License required
	AC 5 Flidse	115V	(TAC 101) Load and Current Harmonic Measurements [Normal Operation]		
		[400 Hz]	(TAC 103) Voltage Phase Difference [Normal Operation]	•	
			(TAC 104) Voltage Modulation [Normal Operation]	•	
			(TAC 105) Frequency Modulation [Normal Operation]	•	
			(TAC 106) Voltage Distortion Spectrum [Normal Operation]	•4)	AMP200N1 + CN200N1 required
			(TAC 107) Total Voltage Distortion [Normal Operation]	•	
			(TAC 108) DC Voltage Component [Normal Operation]	•	
			(TAC 109) Normal Voltage Transients [Normal Operation] (TAC 110) Normal Frequency Transients [Normal Operation]	•	
			(TAC 201) Power Interrupt [Transfer Operation]		
			(TAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•	
			(TAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•	
			(TAC 303) Abnomal Frequency Transients [Abnormal Operation]	•	
			(TAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]		
			(TAC 601) Power Failure (Three Phase) [Power Failure Operation]	•	
	DC		(TAC 602) One and Two Phase Power Failures [Power Failure Operation]	•	
	DC	LDC (Low Voltage DC) 28V	(LDC 101) Load Measurements [Normal Operation] (LDC 102) Steady State Limits for Voltage [Normal Operation]	• 5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		201	(LDC 102) Steady State Limits for Voltage [Normal Operation] (LDC 103) Voltage Distortion Spectrum [Normal Operation]	•	AMP200N1 + CN200N1 required for LDC103 C-K, Filterbox required for LDC103 A+B
			(LDC 104) Total Ripple [Normal Operation]	•	Filterbox required
			(LDC 105) Normal Voltage Transients [Normal Operation]	•	
			(LDC 201) Power Interrupt [Transfer Operation]	•	
			(LDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•	
			(LDC 302) Abnormal Voltage Transients [Abnomal Operation]	•	
			(LDC 401) Emergency Limits for Voltage [Emercency Operation]	•	
			(LDC 501) Starting Voltage Transients [Starting Operation]	•	
		VDC (High Voltage DC)	(LDC 601) Power Failure [Power Failure Operation] (HDC 101) Load Measurements [Normal Operation]	•	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		270V	(HDC 101) Load Measurements [Normal Operation] (HDC 102) Steady State Limits for Voltage [Normal Operation]		
		2,01	(HDC 102) State Links for Voltage [Normal Operation]	•	AMP200N1 + CN200N1 required for HDC103 C-K, Filterbox required for HDC103 A+
			(HDC 104) Total Ripple [Normal Operation]	•	Filterbox required
			(HDC 105) Normal Voltage Transients [Normal Operation]	•	
			(HDC 201) Power Interrupt [Transfer Operation]	•	
			(HDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•	
			(HDC 302) Abnormal Voltage Transients [Abnomal Operation] (HDC 401) Emergency Limits for Voltage [Emercency Operation]	•	
			I (HDC (01) Emorgoncy Limits for Voltage [Emorgoncy Operation]	•	

Standard	Power	Class / Range	Paragraph	Test	Net Ico	Comment
				(HDC 601) Power Failure [Power Failure Operation]	•	
MIL-STD-704B	AC	SAC (Constant Frequency)		(SAC 101) Load and Current Harmonic Measurements [Normal Operation]	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
(1975-11)		115V		(SAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•	
		[400 Hz]		(SAC 105) Frequency Modulation [Normal Operation]	•	
				(SAC 106) Voltage Distortion Spectrum [Normal Operation]	•4)	AMP200N1 + CN200N1 required
				(SAC 107) Total Voltage Distortion [Normal Operation]	•	
				(SAC 108) DC Voltage Component [Normal Operation]	•	
				(SAC 109) Normal Voltage Transients [Normal Operation]	•	
				(SAC 110) Normal Frequency Transients [Normal Operation]	•	
				(SAC 201) Power Interrupt [Transfer Operaion]	•	
				(SAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•	
				(SAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•	
				(SAC 303) Abnomal Frequency Transients [Abnormal Operation]	•	
				(SAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•	
				(SAC 601) Power Failure (Single Phase) [Power Failure Operation]	•	
	AC 3 Phase	TAC (Constant Frequency)		(TAC 101) Load and Current Harmonic Measurements [Normal Operation]	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
		115V		(TAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•	
		[400 Hz]		(TAC 103) Voltage Phase Difference [Normal Operation]	•	
		[]		(TAC 104) Voltage Modulation [Normal Operation]	•	
				(TAC 105) Frequency Modulation [Normal Operation]	•	
				(TAC 106) Voltage Distortion Spectrum [Normal Operation]	•4)	AMP200N1 + CN200N1 required
				(TAC 107) Total Voltage Distortion [Normal Operation]	•	
				(TAC 107) Total Voltage Distolition [Normal Operation]	•	
				(TAC 109) Normal Voltage Transients [Normal Operation]		
				(TAC 109) Normal Voltage Transients [Normal Operation]		
				(TAC 201) Power Interrupt [Transfer Operation]	•	
				(TAC 301) Power Interrupt [Transfer Operation] (TAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•	
					•	
				(TAC 302) Abnormal Voltage Transients [Abnormal Operaion]		
				(TAC 303) Abnomal Frequency Transients [Abnormal Operation]	•	
				(TAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•	
				(TAC 601) Power Failure (Three Phase) [Power Failure Operation]	•	
				(TAC 602) One and Two Phase Power Failures [Power Failure Operation]	•	
	DC	LDC (Low Voltage DC)		(LDC 101) Load Measurements [Normal Operation]	• ⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		28V		(LDC 102) Steady State Limits for Voltage [Normal Operation]	•	
				(LDC 103) Voltage Distortion Spectrum [Normal Operation]	• ⁴⁾	AMP200N1 + CN200N1 required for LDC103 C-K, Filterbox required for LDC103 A+
				(LDC 104) Total Ripple [Normal Operation]	•	Filterbox required
				(LDC 105) Normal Voltage Transients [Normal Operation]	•	
				(LDC 201) Power Interrupt [Transfer Operation]	•	
				(LDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•	
				(LDC 302) Abnormal Voltage Transients [Abnomal Operation]	•	
				(LDC 401) Emergency Limits for Voltage [Emercency Operation]	•	
				(LDC 501) Starting Voltage Transients [Starting Operation]	•	
		VDC (High Voltage DC) 270V		(LDC 601) Power Failure [Power Failure Operation]	•	
				(HDC 101) Load Measurements [Normal Operation]	• ⁵⁾	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				(HDC 102) Steady State Limits for Voltage [Normal Operation]	•	
				(HDC 103) Voltage Distortion Spectrum [Normal Operation]	•	AMP200N1 + CN200N1 required for HDC103 C-K, Filterbox required for HDC103 A
				(HDC 104) Total Ripple [Normal Operation]	•	Filterbox required
				(HDC 104) Normal Voltage Transients [Normal Operation]	•	
				(HDC 201) Power Interrupt [Transfer Operation]		
				(HDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]		
				(HDC 302) Abnormal Voltage Transients [Abnomal Operation]		
				(HDC 401) Emergency Limits for Voltage [Emercency Operation]		
				(HDC 501) Starting Voltage Transients [Starting Operation]		
MUL CTD TO ()	4.6	CAC (Compton: 5		(HDC 601) Power Failure [Power Failure Operation]	•	Ontine NN/Decod (NN/Decod 2 Direction 14, 14, 14, 14, 14, 14, 14, 14, 14, 14,
MIL-STD-704A	AC	SAC (Constant Frequency)		(SAC 101) Load and Current Harmonic Measurements [Normal Operation]	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
(1966-08)		115V		(SAC 102) Steady State Limits for Voltage and Frequency [Normal Operation]	•	
		[400 Hz]		(SAC 104) Voltage Modulation [Normal Operation]	•	
				(SAC 105) Frequency Modulation [Normal Operation]	•	
				(SAC 106) Voltage Distortion Spectrum [Normal Operation]	•4)	AMP200N1 + CN200N1 required
				(SAC 107) Total Voltage Distortion [Normal Operation]	•	
				(SAC 108) DC Voltage Component [Normal Operation]	•	
				(SAC 109) Normal Voltage Transients [Normal Operation]	•	
				(SAC 110) Normal Frequency Transients [Normal Operation]	•	
				(SAC 201) Power Interrupt [Transfer Operaion]	•	
				(SAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•	
				(SAC 302) Abnormal Voltage Transients [Abnormal Operation]	•	
				(SAC 303) Abnomal Frequency Transients [Abnormal Operation]	•	
				(SAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•	
				(SAC 401) Energency Linits for voltage and riequency [Energency Operation]	-	

Standard	Power	Class / Range	aragraph Test Net Icd Comment	
	AC 3 Phase	TAC (Constant Frequency)	(TAC 101) Load and Current Harmonic Measurements [Normal Operation] • ^{1,5)} Option NW	Board 3 Phase and Analyse License required
		115V	(TAC 102) Steady State Limits for Voltage and Frequency [Normal Operation] •1)	
		[400 Hz]	(TAC 103) Voltage Phase Difference [Normal Operation] •1)	
			(TAC 104) Voltage Modulation [Normal Operation]	
			(TAC 105) Frequency Modulation [Normal Operation]	
				+ CN200N1 required
			(TAC 107) Total Voltage Distortion [Normal Operation]	
			(TAC 108) DC Voltage Component [Normal Operation] • ¹⁾	
			(inc 10)) Nonnat Vottage Hanstents [Nonnat Operation]	
			(me iii) nonnatriequency mansfents [Nonnat Operation]	
			(TAC 201) Power Interrupt [Transfer Operaion] • ¹ (TAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation] • ¹	
			(TAC 301) Abnormal Voltage Transients [Abnormal Operation]	
			(TAC 302) Abnomal Frequency Transients [Abnormal Operation]	
			[TAC 401] Emergency Limits for Voltage and Frequency [Emergency Operation] • ¹⁾	
			(TAC 601) Power Failure (Three Phase) [Power Failure Operation]	
			(TAC 602) One and Two Phase Power Failures [Power Failure Operation] •1)	
	DC	LDC (Low Voltage DC)		Board / NWBoard 3 Phase and Analyse Licence required
		28V	(LDC 102) Steady State Limits for Voltage [Normal Operation]	
				+ CN200N1 required for LDC103 C-K, Filterbox required for LDC103 A+
			(LDC 104) Total Ripple [Normal Operation] • Filterbox re	
			(LDC 105) Normal Voltage Transients [Normal Operation] •	
			(LDC 201) Power Interrupt [Transfer Operation] •	
			(LDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	
			(LDC 302) Abnormal Voltage Transients [Abnomal Operation]	
			(LDC 401) Emergency Limits for Voltage [Emercency Operation]	
			(LDC 501) Starting Voltage Transients [Starting Operation]	
CID404D	4.6	SAC (Constant Franciscus)	(LDC 601) Power Failure [Power Failure Operation] (SAC 101) Load and Current Harmonic Measurements [Normal Operation]	Decent / NM/Decent 2 Discovery d Analysis Listence required
GJB181B	AC	SAC (Constant Frequency)		Board / NWBoard 3 Phase and Analyse Licence required
(2013)		115V [400 Hz]	(SAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion] • (SAC 104) Voltage Modulation [Normal Operation] •	
		[400 H2]	(SAC 104) Voltage modulation [Normal Operation]	
				+ CN200N1 required
			(SAC 107) Total Voltage Distortion [Normal Operation]	
			(SAC 108) DC Voltage Component [Normal Operation]	
			(SAC 109) Normal Voltage Transients [Normal Operation]	
			(SAC 110) Normal Frequency Transients [Normal Operation] •	
			(SAC 201) Power Interrupt [Transfer Operation]	
			(SAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation] •	
			(SAC 302) Abnormal Voltage Transients [Abnormal Operaion] •	
			(SAC 303) Abnomal Frequency Transients [Abnormal Operation] •	
			(SAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation] •	
			(SAC 601) Power Failure (Single Phase) [Power Failure Operation] •	
			(SAC 603) Phase Reversal [Power Failure Operation]	
		SVF (Variable Frequency)		Board / NWBoard 3 Phase and Analyse Licence required
		115V	(SVF 102) Steady State Limits for Voltage and Frequency [Normal Operation]	
		[360 to 800 Hz]	(SVF 104) Voltage Modulation [Normal Operation]	
			(SVF 105) Frequency Modulation [Normal Operation] (SVF 106) Voltage Distortion Spectrum [Normal Operation] •	CN200N1 required
			(Str 100) fottage bistoriton spectrum [itomat operation]	+ CN200N1 required
			(SVF 107) Total Voltage Distortion [Normal Operation] (SVF 108) DC Voltage Component [Normal Operation] •	
			(SVF 108) DC Voltage Component [Normal Operation]	
			(SVF 109) Normal Voltage Hanslens [Normal Operation]	
			(SVF 201) Power Interrupt [Transfer Operation]	
			(SVF 201) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	
			(SVF 302) Abnormal Voltage Transients [Abnormal Operation]	
			(SVF 303) Abnomal Frequency Transients [Abnormal Operation]	
			(SVF 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	
			(SVF 601) Power Failure (Single Phase) [Power Failure Operation]	
			(SVF 603) Phase Reversal [Power Failure Operation]	
		SXF (Constant Frequency)		Board / NWBoard 3 Phase and Analyse Licence required
		115V	(SXF 102) Steady State Limits for Voltage and Frequency [Normal Operation] •	
		[60 Hz]	(SXF 104) Voltage Modulation [Normal Operation] •	
			(SXF 105) Frequency Modulation [Normal Operation] •	
			(SXF 106) Voltage Distortion Spectrum [Normal Operation] •4) AMP200N1	+ CN200N1 required
			(SXF 107) Total Voltage Distortion [Normal Operation] •	
			(SXF 108) DC Voltage Component [Normal Operation] •	
			(SXF 109) Normal Voltage Transients [Normal Operation] •	
			(SXF 110) Normal Frequency Transients [Normal Operation]	

Standard	Power	Class / Range	Paragraph	Test	Net	Icd Comment
				(SXF 201) Power Interrupt [Transfer Operaion]	•	
				(SXF 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•	
				(SXF 302) Abnormal Voltage Transients [Abnormal Operaion]	•	
				(SXF 303) Abnomal Frequency Transients [Abnormal Operation]	•	
				(SXF 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•	
				(SXF 601) Power Failure (Single Phase) [Power Failure Operation]	•	
				(SXF 603) Phase Reversal [Power Failure Operation]	• 1,5)	
	AC 3 Phase	TAC (Constant Frequency)		(TAC 101) Load and Current Harmonic Measurements [Normal Operation]		Option NWBoard 3 Phase and Analyse License required
		115V [400 Hz]		(TAC 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•	
				(TAC 103) Voltage Phase Difference [Normal Operation] (TAC 104) Voltage Modulation [Normal Operation]		
				(TAC 104) Voltage Modulation [Normal Operation]		
				(TAC 105) Frequency Modulation [Normal Operation]	•4)	AMP200N1 + CN200N1 required
				(TAC 100) Votage Distortion Spectrum [Normal Operation]		
				(TAC 108) DC Voltage Component [Normal Operation]	•	
				(TAC 109) Normal Voltage Transients [Normal Operation]	•	
				(TAC 110) Normal Frequency Transients [Normal Operation]	•	
				(TAC 201) Power Interrupt [Transfer Operaion]	•	
				(TAC 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]	•	
				(TAC 302) Abnormal Voltage Transients [Abnormal Operaion]	•	
				(TAC 303) Abnomal Frequency Transients [Abnormal Operation]	•	
				(TAC 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•	
				(TAC 601) Power Failure (Three Phase) [Power Failure Operation]	•	
				(TAC 602) One and Two Phase Power Failurer [Power Failure Operation]	•	
				(TAC 603) Phase Reversal [Power Failure Operation]	•	
		TVF (Variable Frequency)		(TVF 101) Load and Current Harmonic Measurements [Normal Operation]	• ^{1,5)}	Option NWBoard 3 Phase and Analyse License required
		115V		(TVF 102) Steady State Limits for Voltage and Frequency [Normal Operaion]	•	
		[360 to 800 Hz]		(TVF 103) Voltage Phase Difference [Normal Operation]	•	
				(TVF 104) Voltage Modulation [Normal Operation]	•	
				(TVF 105) Frequency Modulation [Normal Operation]	•	
				(TVF 106) Voltage Distortion Spectrum [Normal Operation]	•4)	AMP200N1 + CN200N1 required
				(TVF 107) Total Voltage Distortion [Normal Operation]	•	
				(TVF 108) DC Voltage Component [Normal Operation]	•	
				(TVF 109) Normal Voltage Transients [Normal Operation]	•	
				(TVF 110) Normal Frequency Transients [Normal Operation]	•	
				(TVF 201) Power Interrupt [Transfer Operaion] (TVF 301) Abnormal Limits for Voltage and Frequency [Abnomal Operation]		
				(TVF 302) Abnormal Voltage Transients [Abnormal Operation]		
				(TVF 303) Abnomal Frequency Transients [Abnormal Operation]		
				(TVF 401) Emergency Limits for Voltage and Frequency [Emergency Operation]	•	
				(TVF 601) Power Failure (Three Phase) [Power Failure Operation]		
				(TVF 602) One and Two Phase Power Failures [Power Failure Operation]	•	
				(TVF 603) Phase Reversal [Power Failure Operation]	•	
	DC	LDC (Low Voltage DC)		(LDC 101) Load Measurements [Normal Operation]	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
		28V		(LDC 102) Steady State Limits for Voltage [Normal Operation]	•	
				(LDC 103) Voltage Distortion Spectrum [Normal Operation]	•4)	AMP200N1 + CN200N1 required for LDC103 C-K, Filterbox required for LDC103 A+E
				(LDC 104) Total Ripple [Normal Operation]	•	Filterbox required
				(LDC 105) Normal Voltage Transients [Normal Operation]	•	
				(LDC 201) Power Interrupt [Transfer Operation]	•	
				(LDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•	
				(LDC 302) Abnormal Voltage Transients [Abnomal Operation]	•	
				(LDC 401) Emergency Limits for Voltage [Emercency Operation]	•	
				(LDC 501) Starting Voltage Transients [Starting Operation]	•	
				(LDC 601) Power Failure [Power Failure Operation]	•	
				(LDC 602) Polarity Reversal [Power Failure Operation]	•	
		HDC (High Voltage DC) 270V		(HDC 101) Load Measurements [Normal Operation]	•5)	Option NWBoard / NWBoard 3 Phase and Analyse Licence required
				(HDC 102) Steady State Limits for Voltage [Normal Operation]	•	
				(HDC 103) Voltage Distortion Spectrum [Normal Operation]	•	AMP200N1 + CN200N1 required for HDC103 C-K, Filterbox required for HDC103 A+
				(HDC 104) Total Ripple [Normal Operation]	•	Filterbox required
				(HDC 105) Normal Voltage Transients [Normal Operation]	•	
				(HDC 201) Power Interrupt [Transfer Operation]	•	
				(HDC 301) Abnormal Steady State Limits for Voltage [Abnormal Operation]	•	
				(HDC 302) Abnormal Voltage Transients [Abnomal Operation]	•	
				(HDC 401) Emergency Limits for Voltage [Emercency Operation]	•	
				(HDC 501) Starting Voltage Transients [Starting Operation]	•	
				(HDC 601) Power Failure [Power Failure Operation] (HDC 602) Polarity Reversal [Power Failure Operation]	•	
DS 59-41	1.02		9.18	DRS01, Radiated Susceptibility Magnetic (H) Field 20 Hz – 100 kHz	-	• CWS500N3
03 59-41)		9.10	DKS01, Kaulateu Sustepublity Magnetit (H) Fielu 20 HZ – 100 KHZ		- CWSJOUNS

Area	Standard	Power	Class / Range	Paragraph	Test	Net	Icd	Comment
	VG 95373-24			5.5	LF 07 G, Limits for conducted susceptibility 10 kHz to 400 MHz		•	CWS500N2
	(2008-11)							
Automotive	PSA	DC	HDC (High Voltage DC)	7.2.2	HV 01 : Usual and operating voltage			Manually (NetWave as Source)
	B21 7110		240 V	7.2.3	HV 02 : Increase and decrease of supply voltage	•		
	Revision D (2012-07)		Voltage Class 1	7.2.4	HV 03 : Ripple on power supply			Frequency higher than 5kHz requested
				7.2.5	HV 04 : Transient overvoltage	•		
				7.2.6	HV 05 : Transient undervoltage	•		
				7.2.7	HV 06 : Resistance to load dump pulses	•		
				7.2.8	HV 07 : Cranking pulse	•		
				7.2.9	HV 08 : Very brief voltage dip	•		
			HDC (High Voltage DC)	7.2.2	HV 01 : Usual and operating voltage			Manually (NetWave as Source)
			300 V	7.2.3	HV 02 : Increase and decrease of supply voltage	•		
			Voltage Class 2	7.2.4	HV 03 : Ripple on power supply			Frequency higher than 5kHz requested
				7.2.5	HV 04 : Transient overvoltage	•		
				7.2.6	HV 05 : Transient undervoltage	•		
				7.2.7	HV 06 : Resistance to load dump pulses	•		
				7.2.8	HV 07 : Cranking pulse	•		
				7.2.9	HV 08 : Very brief voltage dip	•		
			HDC (High Voltage DC)	7.2.2	HV 01 : Usual and operating voltage			Manually (NetWave as Source)
			330 V	7.2.3	HV 02 : Increase and decrease of supply voltage	•		
				7.2.4	HV 03 : Ripple on power supply			Frequency higher than 5kHz requested
				7.2.5	HV 04 : Transient overvoltage	•		
				7.2.6	HV 05 : Transient undervoltage	•		
				7.2.7	HV 06 : Resistance to load dump pulses	•		
				7.2.8	HV 07 : Cranking pulse	•		
				7.2.9	HV 08 : Very brief voltage dip	•		
			HDC (High Voltage DC)	7.2.2	HV 01 : Usual and operating voltage			Manually (NetWave as Source)
			360 V	7.2.3	HV 02 : Increase and decrease of supply voltage	•		
			Voltage Class 4	7.2.4	HV 03 : Ripple on power supply			Frequency higher than 5kHz requested
				7.2.5	HV 04 : Transient overvoltage	•		
				7.2.6	HV 05 : Transient undervoltage	•		
				7.2.7	HV 06 : Resistance to load dump pulses	•		
				7.2.8	HV 07 : Cranking pulse	•		
				7.2.9	HV 08 : Very brief voltage dip	•		
			HDC (High Voltage DC)	7.2.2	HV 01 : Usual and operating voltage			Manually (NetWave as Source)
			390 V	7.2.3	HV 02 : Increase and decrease of supply voltage	•		
			7.2 7.2 7.2 7.2 7.2	7.2.4	HV 03 : Ripple on power supply			Frequency higher than 5kHz requested
				7.2.5	HV 04 : Transient overvoltage	•		
				7.2.6	HV 05 : Transient undervoltage	•		
				7.2.7	HV 06 : Resistance to load dump pulses	•		
				7.2.8	HV 07 : Cranking pulse	•		
				7.2.9	HV 08 : Very brief voltage dip	•		