Extract from test report for NS protection Nr: 2013 – 1319					
"Determination of electrical properties"					
□ NS protection as central NS protection					
Type of NS protection:		Other manufacturer's data			
Software version: Manufacturer:		_			
Measuring period: from JJJJ-MM-TT to JJJJ-MM-TT					
Protection function	Setting value	Tripping value	Tripping time NS protection ^a		
Voltage drop protection U <	0,8 * U n	* U n	ms		
Rise-in-voltage protection $U >$	1,1 * <i>U</i> _n	* U n	ms		
Rise-in-voltage protection $U >>$	1,15 * U n	* U n	ms		
Frequency decrease protection $f <$	47,5 Hz	Hz	ms		
Frequency increase protection $f >$	51,5 Hz	Hz	ms		
Type of NS protection: Steca-ENS		Other manufact	Other manufacturer's data		
Software version: NET11_ENS_2.9 or higher					
Manufacturer: Steca Elektronik GmbH Mammostraße 1 87700 Memmingen Germany		Assigned to PGU type: StecaGrid 8000+ 3ph			
		Integrated interface switch Type of Switching equipment 1 relay Type of Switching equipment 2 relay		0000+ 3ph	
Measuring period: <u>from 2011-08-01 to 2011-12-21</u>					
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Protection function Voltage drop protection <i>U</i> <	Setting value	Tripping value	Tripping time NS protection ^a 181 ms		
voltage drop protection ψ <	0,8 * U n	0,8 * <i>U</i> _n	161 IIIS		
Rise-in-voltage protection $U >$	1,1 * U n	1,1 * <i>U</i> _n	183 ms		
Rise-in-voltage protection $U >>$	1,15 * <i>U</i> _n	1,15 * <i>U</i> _n	185 ms		
Frequency decrease protection f <	47,5 Hz	47,5 Hz	175 ms		
Frequency increase protection $f >$	51,5 Hz	51,5 Hz	179 ms		
proper time of interface switch		max. 20 ms			
The break time (sum of tripping time NS protection plus proper time of interface switch) shall not exceed 200 ms. The verification of the full functional chain "NS protection – Interface switch" has yield to intended disconnection					