Table: Construction of the power generation system/network and system protection (NS-protection)				
Central NS protection				
NS protection as central NS protection		☐ YES		☒ NO
Type of NS protection	---	**Other manufacturer's data**		
Software version	---	---		
Manufacturer	---			
Measuring period		---		
Protection function	**Setting value**	**Tripping Value**	**Tripping time NS protection**	
Voltage drop protection U <	$0,8 * U_n$	$* U_n$	-	ms
Rise-in-voltage protection U >	$1,1 * U_n$	$* U_n$	-	s
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
Integrated NS protection				
NS protection as integrated NS protection		☒ YES		☐ NO
Type of NS protection	AC contactors	**Other manufacturer's data**		
Software version	**Not less than 1749F for PVS-100-TL** (NOTE *)	Assigned to PGU Type : **PVS-100-TL** Integrated interface switch Type of switching equipment 1: AC contactor Type of switching equipment 2: AC contactor		
Manufacturer	POWER-ONE ITALY S.P.A. Via S. Giorgio, 642 52028 Terranuova Bracciolini, Arezzo, Italy			
Measuring period		01/09/2017 - 15/11/2017		
Protection function	**Setting value**	**Tripping Value**	**Break time**	
Voltage drop protection U <	$0.8 * Un$	183.4V	172.0 ms	
Rise-in-voltage protection U >	$1.1 * Un$	$1.1 * Un$	483.6 s (1 → 1.2 * Un) 4.78 s (1.06 → 1.14 * Un)	
Rise-in-voltage protection U >>	$1.15 * Un$	264.40V	166.0 ms	
Frequency decrease protection f <	47.5 Hz	47.50Hz	194.9 ms	
Frequency increase protection f >	51.5 Hz	51.50Hz	185.7 ms	
proper time of interface switch		20 ms Max.		
The break time (sum of tripping time NS protection plus proper time of interface switch) shall not exceed 200ms. The verification of the full function chain "NS-protection – Interface switch" has yield to intended disconnection				
NOTE *: *Update Version identifies the Firmware Bundle Update Version by a sequential code: xxxxy (where xxxx is a number and y is a letter from A to G)*				