



Test Report				Date of issue: 4.6.2014						
				Serial No.: 3GF09001314						
				Type: M3KP 280SMC 4 IMV1/IM3011						
				Product Code: 3GKP282230-BDG						
				Protection type: Ex de IIB T4 Gb						
				Cert. No.: LCIE 11 ATEX 3089X / IECEx LCI 04.0006X						
Rating:				V	Hz	kW	r/min	A	cos φ	Duty
3~Motor Insul.cl.F IP55 Ambient temp. -20°C...+45°C				400	D 50	110	1485	195	0,86	S1
Resistance				Insulation resistance at 58,0 °C				Overload		
Line Ambient: 21,5 °C				1500 MΩ 1000 V				Torque 160 % 15s Speed 120 % 120s		
U ₁ - V ₁ U ₁ - W ₁ V ₁ - W ₁				0,02425 Ω 0,02426 Ω 0,02426 Ω						
				High-voltage test winding 2400 V				60 s		
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	n[r/min]	cos φ	η [%]	
No load test		400,0 D	50	61,2	1,75		1500	0,04		
Locked rotor test		69,5 D	50	195,1	7,89		0	0,34		
Thermal test (100% load)	707,4	400,1 D	50	193,3	115,2	110,0	1485	0,86	95,5	
Partial load points:										
~75% load	531,5	400,1 D	50	149,8	86,1	82,5	1489	0,83	95,8	
~50% load	355,5	400,1 D	50	110,4	57,6	55,0	1493	0,75	95,5	
~25% load	176,0	400,0 D	50	78,1	29,5	27,5	1497	0,55	93,3	
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method		
Stator winding :				68,4	1			1 Resistance		
Frame :				35,3	2			2 Thermometer		
Bearing D-end :				45,6	2			3 Thermocouples		
Ambient Temperature :				25,0	2					
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.										
On behalf of customer										
On behalf of manufacturer			Date of test		4.11.2009					
Tested by ABB Oy, Motors and Generators, Vaasa, Finland							Telephone		+358 10 2211	
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