



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF11068912					
				Type: M3KP 280SMA 4 IMV1/IM3011					
				Product Code: 3GKP282210-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	380	D 50	75	1482	140	0,86	S1		
Insul.cl.F	400	D 50	75	1484	135	0,85	S1		
IP56	415	D 50	75	1485	134	0,83	S1		
Ambient temp. -20°C...+45°C									
Resistance				Insulation resistance at 60,0 °C			Overload		
Line	Ambient: 25,0 °C			7000 MΩ 1000 V		Torque 160 % 15s			
U <sub>1</sub> - V <sub>1</sub>	0,04282 Ω								
U <sub>1</sub> - W <sub>1</sub>	0,04289 Ω								
V <sub>1</sub> - W <sub>1</sub>	0,04280 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		400,1 D	50	45,0	1,50		1500	0,05	
Locked rotor test		75,0 D	50	135,0	5,98		0	0,34	
Thermal test (100% load)	482,6	400,2 D	50	134,8	79,3	75,0	1485	0,85	94,6
Partial load points:									
~75% load	361,0	400,0 D	50	105,0	59,3	56,3	1488	0,82	94,8
~50% load	239,4	400,0 D	50	78,0	39,7	37,5	1493	0,73	94,5
~25% load	119,7	400,0 D	50	56,4	20,5	18,8	1496	0,52	91,7
Temperature rise at rated load.				°C	K	Method		Measurement method	
Stator winding :				59,3	1	1 Resistance			
Frame :				33,1	2	2 Thermometer			
Bearing D-end :				33,4	2	3 Thermocouples			
Ambient Temperature :				25,0	2				
								Starting current (I <sub>S</sub> / I <sub>N</sub> ) : 6,84	
								Locked rotor torque (T <sub>L</sub> / T <sub>N</sub> ) : 2,37	
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		12.5.2011				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211			
						Telefax +358 10 22 47372			

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