



Test Report				Date of issue: 4.6.2014					
				Serial No.: 3GF11094411					
				Type: M3KP 250SMA 8 IMB3/IM1001					
				Product Code: 3GKP254210-ADG					
				Protection type: Ex de IIB T4 Gb					
				Cert. No.: LCIE 10 ATEX 3063X / IECEx LCI 04.0012X					
Rating:									
		V	Hz	kW	r/min	A	cos φ	Duty	
3-Motor		690	Y 50	30	735	35,2	0,78	S1	
Insul.cl.F		400	D 50	30	735	60,7	0,78	S1	
IP55		415	D 50	30	736	59,9	0,76	S1	
Resistance Line				Ambient: 21,5 °C		Insulation resistance at 58,5 °C		Overload	
U ₁ - V ₁				0,18674 Ω		1200 MΩ		1000 V	
U ₁ - W ₁				0,18673 Ω				Torque 160 % 15s	
V ₁ - W ₁				0,18677 Ω					
				High-voltage test winding		2900 V		1 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	26,2	0,76		750	0,04	
Locked rotor test		99,3 D	50	60,8	2,88		0	0,28	
Thermal test (100% load)	389,8	400,0 D	50	59,9	32,8	30,0	734	0,79	91,6
Partial load points:									
~75% load	291,9	400,0 D	50	47,8	24,4	22,5	738	0,74	92,3
~50% load	194,8	400,0 D	50	37,4	16,3	15,0	742	0,63	92,1
~25% load	97,2	400,0 D	50	29,5	8,42	7,50	745	0,41	89,0
Temperature rise at rated load.				°C	K	Method		Measurement method	
Stator winding :				70,5	70,5	1		1 Resistance	
Frame :				43,4	43,4	2		2 Thermometer	
Bearing D-end :				50,9	50,9	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		18.4.2012				
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211			
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