



Type Test Report				Date of issue: 4.6.2014							
				Serial No.: 75035421014001A							
				Type: M3KP 280SMC 2 IMB3/IM1001							
				Product Code: 3GKP281230-ADG							
				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				400	D 50	110,0	2978	185	0,9	S1	
Insul.cl.F				690	Y 50	110,0	2978	107	0,9	S1	
IP55				415	D 50	110,0	2980	178	0,9	S1	
Eff class IE2				50Hz : IE2 - 95,1(100%) - 95(75%) - 94,2(50%)							
Resistance Line				Ambient: 16,0 °C				Insulation resistance at 16 °C		Overload	
U ₁ - V ₁				0,01854 Ω				R > 2000 Mohm 1000 V		Voltage 130 % 180s	
U ₁ - W ₁				0,01854 Ω						Torque 160 % 15s	
V ₁ - W ₁				0,01856 Ω						Speed 120 % 120s	
								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		400,4 D	50	43,7	2,48		3000	0,08			
Locked rotor test		63,3 D	50	186,8	6,19		0	0,3			
Thermal test (100% load)	353,3	400 D	50	187,2	116,12	110,00	2973	0,90	94,70		
Partial load points:											
~75% load	264,5	400 D	50	142,5	87,08	82,50	2979	0,88	94,70		
~50% load	175,9	400 D	50	101,4	58,43	55,00	2986	0,83	94,10		
~25% load	87,7	400 D	50	65,2	30,24	27,50	2993	0,67	90,90		
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method			
Stator winding :					66,9	1		1 Resistance			
Frame :					29,9	2		2 Thermometer			
Bearing D-end :					29,9	2		3 Thermocouples			
Rotor :						2					
Ambient Temperature :				25		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				21.12.2011			
Tested by ABB Shanghai Motors , LV Motors, Shanghai,P.R.China							Telephone +86 21 54723133 Telefax +86 21 54725009				

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