

DATA SHEET 14 TO EC-TYPE-EXAMINATION CERTIFICATE PTB 03 ATEX 3087

Manufacturer: SÜD-ELECTRIC AG, Westring 1-7, 85614 Kirchseeon/Eglharting, Germany

for Three-phase motor type MD_- _3085-N6N- _

Ratings

This certificate is valid for the following designs providing the motors of this type differ only negligibly from the sample tested as regards the electrical and thermal stresses:

Power for cooling temperature 50 °C	1.1					kW
Voltage:	110	230	400	460	690	V
Current:	10.4	4.95	2.85	2.45	1.65	A
Power factor:	0.71					
Frequency:	60					Hz
Speed: (motor)	1140					min ⁻¹
Duty Type:	S1					
I _A /I _N ratio:	4.1					
Thermal class:	F					

In addition to the above-mentioned voltages, intermediate values are also permissible. The associated currents are to be converted in the inverse ratio to the voltages. The mains voltage may vary by up to $\pm 5\%$ and the mains frequency by up to $\pm 2\%$ from the rated values, in keeping with range A according to IEC 60034-1.

Temperature monitoring

For the selection of a current dependent time-lag protective device, the times t_E were determined as follows:

Temperature class:	T1	T2	T3	T4	
Time t_E :	60	60	55	21	s

Assessment and test report PTB Ex 10-30100

Zertifizierungssektor Explosionsschutz

By order



Dr.-Ing. F. Lienesch
Regierungsdirektor



Braunschweig, June 17, 2010