

IBExU Institut für Sicherheitstechnik GmbH

An-Institut der TU Bergakademie Freiberg

Addition Sheet 10

to the EC-TYPE EXAMINATION CERTIFICATE IBExU02ATEX1019 (Translation)

Three-phase Asynchronous Motor with Squirrel-Cage Rotor type K21Q 315 MX4
(K20Q 315 S4)

The already certified motor series type K2.Q ... Ex II 2D is extended with the motor type K21Q 315 MX4 (K20Q 315 S4). The motor is intended for use for mains operation 50 Hz and for operation with frequency converter in a range from 10 Hz up to 50 Hz at a maximum surface temperature of T = 125 °C.

Rated values and technical data

		Mains operation	Operation with frequency converter	
Power:	kW	132	24.2	125
Terminal voltage:	V	400	95	380
Torque:	Nm	850	805	805
Current:	A	235	175	235
Frequency:	Hz	50	10	50
Speed:	min ⁻¹	1485	292	1482
Power factor:		0.85	0.84	0.86
Efficiency:	%	95.3	87.5	94.0
Operation mode:		S1		S1
Cooling medium temperature:	°C	40		40

Besides the voltage 400 V also other voltages in the range from 220 V up to 420 V are permissible. The related currents are converted in the reciprocal relation of the voltages.

The proof of explosion protection of the motor mentioned above is recorded in the test report IB-07-3-096 of 10 May 2007. The marking is:

 II 2D T 125 °C IP 65

The safety instructions contained in the EC-Type Examination Certificate IBExU02ATEX1019 have to be noticed.

At operation with frequency converter the motors may only be operated with the frequency converter type Siemens Micromaster 440 6SE6440-2UD41-3GA1. The current limitation is set at the most on the 1.6-fold motor rated current for max. 2 min.

This Addition Sheet is only valid in combination with the EC-Type Examination Certificate IBExU02ATEX1019.

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Authorised for certifications
-Explosion protection-

By order



(Dr. Lösch)



- Seal -
(ID no. 0637)

Freiberg, 10 May 2007

Certificates without signature and seal are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.