

# IBExU Institut für Sicherheitstechnik GmbH

An-Institut der TU Bergakademie Freiberg

## Addition Sheet 12

### to the EC-TYPE EXAMINATION CERTIFICATE IBExU02ATEX1019 (Translation)

Three-phase Asynchronous Motor with Squirrel-Cage Rotor  
type K21Q 250 M8-2 (K20Q 250 S8-2)

The already certified motor series type K2.Q ... Ex II 2D is extended with the motor type K21Q 250 M8-2 (K20Q 250 S8-2). The motor is intended for use at a maximum surface temperature of  $T = 125\text{ °C}$ .

#### Rated values and technical data

		<u>8-pole</u>	<u>2-pole</u>
Power:	kW	10.3	41
Voltage:	V	400	400
Current:	A	40	83
Frequency:	Hz	50	50
Speed:	min <sup>-1</sup>	745	2985
Power factor:		0.44	0.81
Efficiency:	%	84.2	87.8
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 690 V are permissible. The related currents are converted in the reciprocal relation of the voltages.

Compared with the rated values the mains voltage may fluctuate up to  $\pm 5\%$  and the mains frequency up to  $\pm 2\%$  appropriate to range A according to IEC 60034-1.

The proof of explosion protection of the motor mentioned above is recorded in the test report IB-07-3-108 of 18 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.

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, 18 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.