



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx SIQ 14.0002X issue No.:0 Certificate history:

Status: **Current**

Date of Issue: **2014-04-25** Page 1 of 4

Applicant: **Bartec Varnost, d.o.o.**
Cesta 9. avgusta 59
SI-1410 Zagorje ob Savi
Slovenia

Electrical Apparatus: **Electric motor, types 4 KTS 90 L4, 4 KTS 90 S4, 4 KTS 100 LB4, 4 KTS 132 S4 and 4 KTS 160 M4**
Optional accessory:

Type of Protection: **Flameproof enclosure and increased safety**

Marking: **Ex d e IIB T4 Gb**


Approved for issue on behalf of the IECEx
Certification Body:

Igor Likar

Position:

Managing Director

Signature:
(for printed version)


2014-04-25

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Slovenian Institute of Quality and Metrology (SIQ)
Trzaska cesta 2
SI-1000 Ljubljana
Slovenia





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Manufacturer: **Bartec Varnost, d.o.o.**
Cesta 9. avgusta 59
SI-1410 Zagorje ob Savi
Slovenia

Additional Manufacturing location
(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:
SI/SIQ/ExTR14.0001/00

Quality Assessment Report:

SI/SIQ/QAR11.0003/01



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The three phase four poles electric motors types 4 KTS 90 L4, 4 KTS 90 S4, 4 KTS 100 LB4, 4 KTS 132 S4 and 4 KTS 160 M4 are designed in the type of protection flameproof enclosure with terminal box in the type of protection increased safety. They are enclosed and without fan. Their enclosure is made from cast-iron (EN-GJL-200) and squirrel-cage rotor from aluminium. Between flameproof enclosure and terminal box line bushings are installed. For direct temperature monitoring the windings of the electric motors are equipped with temperature sensors (thermistors according to DIN 44081 or DIN 44082).

Motors were previously tested according to EN 50000 series of standards. Certificate PTB 02 ATEX 1141 with 1st supplement was issued.

CONDITIONS OF CERTIFICATION: YES as shown below:

Repair on flameproof joints may only be performed in accordance with the manufacturer's design specifications. Repair on the basis of the values in Tables 1 and 2 of EN 60079-1 : 2007 is not permitted.



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EQUIPMENT(continued):

Nominal voltage, Frequency	From 220 V AC to 690 V AC, 50 Hz / 60 Hz	
Ambient temperature range	From -20°C to +40°C	
Duty type	S1 to S9	
Temperature class	T4	
Rated power (50 Hz)	4 KTS 90 S4	0.64 kW
	4 KTS 90 L4	0.86 kW
	4 KTS 100 LB4	1.82 kW
	4 KTS 132 S4	2.66 kW
	4 KTS 160 M4	4.28 kW
Rated speed (50 Hz)	4 KTS 90 S4	1420 min ⁻¹
	4 KTS 90 L4	1430 min ⁻¹
	4 KTS 100 LB4	1425 min ⁻¹
	4 KTS 132 S4	1448 min ⁻¹
	4 KTS 160 M4	1470 min ⁻¹
IP Code (standard IEC 60529 : 2001)	IP68	