

EU Declaration of Conformity

(in accordance with EU directive 2014/34/EU)



Manufacturer: VEM motors GmbH
Wernigerode Plant
Zwickau Plant
Address: Carl-Friedrich-Gauß-Str.1
D-38855 Wernigerode
Äußere Dresdner Straße 35
D-08066 Zwickau

Product designation: **Explosion-proof low-voltage three-phase asynchronous squirrel-cage motors of the series (IE*)K.. / (IE*)K8.. (Y2, Y3) / (IE*)W... / (IE*)B...**
The additional marking before the series with IE*, * =1, 2, 3, 4 or as suffixes Y2, Y3 indicate the energy efficiency class of the motors pursuant to EN/IEC 60034-30-1.

The object of the declaration described above is consistent with the relevant Union harmonisation legislation:

2014/34/EU

Directive of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States concerning equipment and protective systems intended for use in potentially explosive atmospheres (recast), Official Journal of the European Union L96, 29.03.2014, p. 309-356

2006/42/EC

Directive of the European Parliament and of the Council of 17 May 2006 on machinery and amending Directive 95/16/EC, Official Journal of the European Union L157, 09.06.2006, p. 24-86

2011/65/EU

Directive of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment, Official Journal of the European Union L 174, 1.7.2011, p. 88-110

2014/30/EU

Directive of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to electromagnetic compatibility, Official Journal of the European Union L 96, 29.03.2014, p. 79-106

The manufacturers are solely responsible for issuing this Declaration of Conformity.

Compliance with the regulations of these directives has been demonstrated by adherence to the following standards:

Reference number and date of issue

EN IEC 60079-0:2018 [IEC 60079-0:2017]
EN 60079-1:2014/AC:2018 [IEC 60079-1:2014/COR1:2018]
EN IEC 60079-7:2015/A1:2018 [IEC 60079-7:2015/AMD1:2017]
EN 60079-15:2010 [IEC 60079-15:2010]
EN 60079-31:2014 [IEC 60079-31:2013]
EN 60034-1:2010+Cor.:2010 [IEC 60034-1:2010, modified]

and all other relevant parts and supplements EN 60034-.. [IEC 60034-..]

The motors for which an EU/EC type examination certificate from a notified body or a type examination certificate from an independent testing body with reference to an older standard also meet the essential health and safety requirements of Directive 2014/34/EU.

The designated product is intended for installation in a machine for use in hazardous areas. Its commissioning shall be prohibited until it has been established that the machine in which these products are to be incorporated complies with the provisions of Directives 2014/34/EU and 2006/42/EC.

The quality assurance system has been certified by the IBExU Institut für Sicherheitstechnik GmbH, notified body no. 0637 with approval no. IBExU20ATEXQ011 and IBExU20ATEXQ012.

























Wernigerode, September 16, 2020

Dr Koch
Managing Director
VEM motors GmbH

Perplies
Explosion Protection Officer
Wernigerode

Blankenhagen
Explosion Protection Officer
Zwickau Plant

Series (IE*-)K.. / (IU*-)K8... (Y2, Y3) / (IE*-)W... / (IE*-)B...
Structure of the device labelling

Machine type IEC size	EU	NB	Group/ Category/ GG (gas) or D (dust)	Type of ignition protection, temperature class, Equipment protection level (EPL)
<p>(IE*-)K... 56 to 450 (IE*-)W... 63 to 450 (IE*-)B... 80 to 450 (IE*-)K8.. 63 to 450... (Y2, Y3)</p>	CE	0637	 II 2G	Ex db IIC T3...T6 and/or Ex db IIC T3...T6 Gb or Ex d IIC T3...T6 and/or Ex d IIC T3...T6 Gb
	CE	0637	 II 2G	Ex db eb IIC T3...T6 and/or Ex db eb IIC T3...T6 Gb or Ex de IIC T3...T6 and/or Ex de IIC T3...T6 Gb
	CE	0637	 II 2G	Ex db IIB+H2 T3...T6 and/or Ex db IIB+H2 T3...T6 Gb or Ex d IIB+H2 T3...T6 and/or Ex d IIB+H2 T3...T6 Gb
	CE	0637	 II 2G	Ex db eb IIB+H2 T3...T6 and/or Ex db eb IIB+H2 T3...T6 Gb or Ex de IIB+H2 T3...T6 and/or Ex de IIB+H2 T3...T6 Gb
	CE		 II 3G	Ex ec IIC T2, T3 and/or T4 Gc (Ex nA IIC T2, T3 and/or T4 Gc)
	CE	0637	 II 2G	Ex eb IIC T1/T2, T3 and/or T4 Gb (Ex e IIC T1/T2, T3 and/or T4 Gb)
	CE		 II 3D	Ex tc IIIB TX°C Dc and/or Ex tc IIIC TX°C Dc ¹⁾
	CE	0637	 II 2D	Ex tb IIIC TX°C Db
	CE	0637	 II 2G  II 2D	Ex db IIC T3...T6 and/or Ex db IIC T3...T6 Gb or Ex d IIC T3...T6 and/or Ex d IIC T3...T6 Gb or optionally Ex tb IIIC T200 °C - T85°C Db
	CE	0637	 II 2G  II 2D	Ex db eb IIC T3...T6 and/or Ex db eb IIC T3...T6 Gb or Ex de IIC T3...T6 and/or Ex de IIC T3...T6 Gb or optionally Ex tb IIIC T200 °C - T85°C Db
	CE	0637	 II 2G  II 2D	Ex db IIB+H2 T3...T6 and/or Ex db IIB+H2 T3...T6 Gb or Ex d IIB+H2 T3...T6 and/or Ex d IIB+H2 T3...T6 Gb or optionally Ex tb IIIC TX°C Db
	CE	0637	 II 2G  II 2D	Ex db eb IIB+H2 T3...T6 and/or Ex db eb IIB+H2 T3...T6 Gb or Ex de IIB+H2 T3...T6 and/or Ex de IIB+H2 T3...T6 Gb or optionally Ex tb IIIC TX°C Db
	CE	0637	 II 2G  II 2D	Ex eb IIC T1/T2, T3 and/or T4 Gb (Ex e IIC T1/T2, T3 and/or T4 Gb) or optionally Ex tb IIIC TX°C Db
	CE	0637	 II 2G  II 3D	Ex eb IIC T1/T2, T3 and/or T4 Gb (Ex e IIC T1/T2, T3 and/or T4 Gc) or optionally Ex tc IIIB TX°C Dc and/or Ex tc IIIC TX°C Dc ¹⁾
	CE	0637	 II 2D  II 3G	Ex tb IIIC TX°C Db or optionally Ex ec IIC T2, T3 and/or T4 Gc (Ex nA IIC T2, T3 and/or T4 Gc)
	CE		 II 3G  II 3D	Ex ec IIC T2, T3 and/or T4 Gc (Ex nA IIC T2, T3 and/or T4 Gc) or optionally Ex tc IIIB TX°C Dc and/or Ex tc IIIC TX°C Dc ¹⁾

¹⁾ conductive dust

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