



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX ITS 19.0033X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2019-10-03

Applicant: **Elnor Motors NV**  
De Costerstraat 45, 3150 Wespelaar  
**Belgium**

Equipment: **Three-phase and single-phase asynchronous motors, type:BA2xy...**

Optional accessory:

Type of Protection: **Flameproof**

Marking: Ex db IIB T4...T3 Gb  
-40°C ≤ Tamb ≤ +70°C  
IECEX ITS 19.0033X

Approved for issue on behalf of the IECEx  
Certification Body:

**P Moss**

Position:

**Certification Officer**

Signature:  
(for printed version)

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 [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Intertek Testing & Certification Limited**  
ITS House, Cleeve Road  
Leatherhead  
Surrey, KT22 7SA  
United Kingdom



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Manufacturer: **Elnor Motors NV**  
De Costerstraat 45, 3150 Wespelaar  
**Belgium**

Additional  
manufacturing  
locations:

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 equipment 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 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

This Certificate **does not** indicate compliance with 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:

[GB/ITS/ExTR18.0039/00](#)

Quality Assessment Report:

[FR/LCI/QAR06.0007/11](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Equipment is either a three-phase or single-phase asynchronous motor.

The motor stator housing is manufactured from cold rolled steel, and the end shields are constructed from Aluminium. overall dimensions of the motor are approximately  $\varnothing 160 \times 240$ mm.

General characteristics for single-phase asynchronous motor:

$U_N$  - 220-240V DC;  $I_N$  - 3A;  $P_N$  - 0.370kW; F - 50/60Hz; W - 2850rpm;  $\cos\phi$  - 0.8

General characteristics for three-phase asynchronous motors:

$U_N$  - 400V DC;  $I_N$  - 1.1A;  $P_N$  - 0.370kW; F - 50/60Hz; W - 2850rpm;  $\cos\phi$  - 0.8; Relay 230V AV.

Internal and external earth points are provided.

## SPECIFIC CONDITIONS OF USE: YES as shown below:

- Temperature classification if motor is not equipped with thermal protection (see table below)

Thermal protection location	Switch off thermal protection in °C	Temperature at the entry point cable in °C	Temperature Class	Delay Y minutes before opening
WINDING	135	75	T4	5
			T3	no
	150	84	T4	10
			T3	no
ENDSHIELD / BEARING	120	96	T4	10
			T3	no
	135	90	T4	20
			T3	no

- In case of motors supplied by converter, the motor must be equipped with thermal protection listed in technical file and located in winding and bearing

- All safety devices shall operate independently of any measurement or control devices required for operation. Resetting the safety devices shall only be manual.

- Flamepaths shall not be repaired.

## Annex:

Annex to [Annex to IECEx ITS 19.0033X Issue 0.pdf](#)



## Annex to IECEx Certificate of Conformity

<b>Certificate No:</b>	IECEX ITS 19.0033X	<b>Issue No. 00</b>
<b>Annex No. 1</b>		

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
BA2xx With variants (Sheet 1)	802001389B	B	190819
BA2xx With variants (Sheet 2)	802001389B	B	190819
Self Adhesive Name Plate T200	240000430A	A	100719
Flamepaths, Gaps BA(x)2**	802031389A	A	250619
Fasteners, BA(x)2**	802041389A	A	070719
Rotor AS BA2xx	236001389	-	23/04/2018
Motor Housing BA2xx	466001389	-	3/05/2018
Endshield 64900 B14 – F90 – 4xM6 – M20 (506490002)	506001386	-	28/11/2018
Endshield Drive end – 516661602	516001388	-	24/05/2018
Endshield Machined Model 64915	516011387	-	13/11/2018
Endshield Ref 516495701	516011388	-	24/05/2018
Endshield 64955 ALU KLR 35 Machined 516495520	516011389	-	23/04/2018
Endshield Machined Model 64915	516021387	-	13/11/2018
Endshield 64955 met een M20	516021389	-	23/04/2018

Certificate issued by:

**intertek**

Total Quality. Assured.

**Intertek Testing & Certification Limited**  
Intertek House, Cleeve Road,  
Leatherhead, Surrey, KT22 7SA  
Tel: +44 (0)1372 370900 Fax: +44  
(0)1372 370977

<http://www.intertek.com>

Registered No 3272281. Registered  
Office: Academy Place, 1-9 Brook  
Street, Brentwood, Essex, CM14 5NQ

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SFT-IECEX-OP-HAZ-19f (10/23/2017)