



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 DEK 15.0052X Issue No: 0 Certificate history:
Status: Current Page 1 of 3 Issue No. 0 (2015-07-16)

Date of Issue: 2015-07-16

Applicant: **Landustrie Sneek B.V.**
Pieter Zeemanstraat 6
8606 JR Sneek
The Netherlands

Electrical Apparatus: **Submersible Pumps series D..22-....., D..42-..... and D..62-.....**
Optional accessory:

Type of Protection: **Ex d**

Marking: **Ex d IIB T4, T3 Gb**

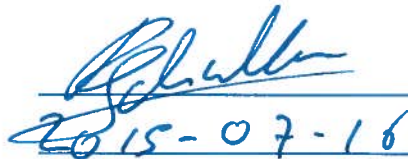
*Approved for issue on behalf of the IECEx
Certification Body:*

R.Schuller

Position:

Certification Manager

*Signature:
(for printed version)*


2015-07-16

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:

DEKRA Certification B.V.
Meander 1051,
6825 MJ Arnhem
The Netherlands





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Manufacturer: **Landustrie Sneek B.V.**
Pieter Zeemanstraat 6
8606 JR Sneek
The Netherlands

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 : 2007-10 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:5

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

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:

[NL/DEK/ExTR13.0018/00](#)

Quality Assessment Report:

[NL/DEK/QAR11.0043/02](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Submersible pump series D..22-...., D..42-.... and D..62-...., consists of a pump and a three-phases motor assembly. The motor is provided with a permanently connected non-terminated supply cable.

A thermal protector in the stator windings with a nominal switching temperature of 125 °C is used for direct temperature control.

The pumps can optionally be provided with a certified water sensor in type of protection intrinsic safety Ex i.

Ambient temperature range -20 °C to +40 °C.

Maximum fluid temperature +40 °C.

For motors supplied by a frequency converter the temperature class is T3.

Electrical data

The rated frequency as indicated on the nameplate is the max. operating frequency if a frequency converter is used. See annex to this certificate.

CONDITIONS OF CERTIFICATION: YES as shown below:

For motors supplied by a frequency converter the built-in winding PTC thermistors of 125 °C in accordance with DIN 44 082 in combination with a protective device shall be installed in the motor circuits in such a way that operation of the PTC thermistors leads to switching-off of the motor. The resetting of the supply shall be manually.

Submersible motors must have level sensors with a minimum safety integrity level SIL 1.

The motors are provided with special fasteners of property class A4-70.

Contact the manufacturer for information on the dimensions of the flameproof joints.

Annex:

[IECEx DEK15.0052X Iss 0_Annex 1 final.pdf](#)