



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

EX COMPONENT CERTIFICATE

Certificate No.: IECEx KTL 18.0018U Issue No: 0 Certificate history:
Issue No. 0 (2018-09-11)

Status: **Current** Page 1 of 3

Date of Issue: **2018-09-11**

Applicant: **SUNIL ELECOMM CO., LTD.**
21-19, Jangsu-ro 342beon-gil, Jangsu-myeon, Yeongju-si, Gyeongsangbuk-do, Korea
Korea, Republic of

Ex Component: **Limit switch, EX LS**

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Flameproof enclosures "d"**

Marking:
Ex db IIC Gb

Approved for issue on behalf of the IECEx
Certification Body:

Park Jong-koo

Position:

Certification Manager

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Korea Testing Laboratory
87, Digital-ro, 26-gil, Guro-gu
Seoul
Korea, Republic of





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21-19, Jangsu-ro 342beon-gil, Jangsu-myeon, Yeongju-si, Gyeongsangbuk-do, Korea
Korea, Republic of

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 Component 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 Ex Component 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 Explosive atmospheres - Part 0: General requirements
Edition:6.0
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 electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

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

Test Report:

[KR/KTL/ExTR18.0021/00](#)

Quality Assessment Report:

[KR/KTL/QAR18.0004/00](#)



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Schedule

Ex Component(s) covered by this certificate is described below:

The limit switch, EX LS, is designed in the type of protection flameproof enclosures. The enclosure of the limit switch consists of a non-metallic material (polybutylene terephthalate, PBT), which is filled up with epoxy. The connection wire into the limit switch is provided.

Thermal data

Operating temperature: -30 °C to +110 °C

Electrical data

5 A 125 Vac, 3 A 250 Vac

SCHEDULE OF LIMITATIONS:

- When the limit switch is mounted into an enclosure in the type of protection "e", the creepage distances and clearances shall be taken into account in accordance with IEC 60079-7.
- The limit switch shall be mounted mechanically protected.
- The limit switch shall be mounted into an enclosure in such a way, so that is protected against UV light exposure.
- The flameproof joints are not intended to be repaired.