



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 UL 19.0016 Issue No: 2 Certificate history:
Status: **Current** Issue No. 2 (2019-08-21)
Date of Issue: **2019-08-21** Page 1 of 4 Issue No. 1 (2019-07-31)
Applicant: **Eveready Battery Co. Inc.** Issue No. 0 (2019-05-31)
533 Maryville University Drive
P.O. Box 411460
St. Louis, MO 63141
United States of America
Equipment: **Flashlights, Models ISHH21 and ISHH25**
Optional accessory:
Type of Protection: **Intrinsic Safety "ia", Optical Radiation "op is"**
Marking: Ex ia op is I/IIC T4 Ma/Ga
-20°C ≤ Tamb ≤ +40°C

Approved for issue on behalf of the IECEx
Certification Body:

Lucy Frieders

Position:

Staff Engineer

Signature:
(for printed version)

Date:

2019-08-21

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:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **Eveready Battery Co. Inc.**
533 Maryville University Drive
P.O. Box 411460
St. Louis, MO 63141
United States of America

Additional Manufacturing location(s):

SONCO Products (Shenzhen) Ltd.
Tai Feng Industrial Zone Xi Huan Lu,
Shajing, Baoan
Shenzhen Guangdong
PRC 518104
China

Eveready Battery Company
25225 Detroit Road
Westlake, OH 44145
United States of America

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 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 60079-11 : 2011
Edition:6.0 | Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i" |
| IEC 60079-28 : 2015
Edition:2 | Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation |

*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:

[US/UL/ExTR19.0019/02](#)

Quality Assessment Report:

[US/UL/QAR10.0006/08](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Model ISHH21 is an intrinsically safe handheld LED flashlight powered by two series-connected "AA" alkaline cells. The device contains one PCB which is enclosed within an IP 67 rated non-metallic housing.

The Model ISHH25 is an intrinsically safe handheld LED flashlight powered by two series-connected "D" alkaline cells. The device contains one PCB which is enclosed within an IP 67 rated non-metallic housing.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1: Addition of Model ISHH25.

Issue 2: Alternate component for use in Model Nos. ISHH21 and ISHH25.

Annex:

[Annex to IECEX UL UL 19.0016 Issue 2.pdf](#)



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Issue No.:2

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PARAMETERS RELATING TO THE SAFETY

The ISHH21 uses only two Energizer 1.5V E91 or EN91 "AA" Alkaline batteries.

The ISHH25 uses only two Energizer 1.5V E95 or EN95 "D" Alkaline batteries.

MARKING

Marking has to be readable and indelible; it has to include the following indications:

Model ISHH21:




Energizer Manufacturing, Inc.
533 MARYVILLE UNIVERSITY DRIVE
ST. LOUIS MO 63141
MODEL : ISHH21 Class I, Groups A,B,C&D.
MADE IN CHINA Class II, Groups E,F&G.
Class III, T4.
Only as to Intrinsic Safety for use in hazardous locations.





AA SIZE BATTERIES


SAFETY US-CA
E307343




WARNING - TO REDUCE THE RISK OF EXPLOSION, DO NOT MIX FRESH BATTERIES WITH USED BATTERIES, OR MIX BATTERIES FROM DIFFERENT MANUFACTURERS.
WARNING - SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY.
AVERTISSEMENT: LA SUBSTITUTION DES COMPOSANTS PEUT NUIRE À LA SÉCURITÉ INTRINSÈQUE.
WARNING - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
AVERTISSEMENT - NE PAS OUVRIR EN PRÉSENCE D'UNE ATMOSPHÈRE EXPLOSIVE
WARNING - USE ONLY Energizer E91 or EN91 BATTERY.
AVERTISSEMENT - UTILISER UNIQUEMENT DES ACCUMULATEURS Energizer E91 or EN91



0539




I M1/II 1G





DEMKO 19 ATEX 2128
IECEx UL 19.0016
Ex Ia op Is I/II T4 Ma/Ga

Model ISHH25:



Energizer Manufacturing, Inc.
533 MARYVILLE UNIVERSITY DRIVE
ST. LOUIS MO 63141
MODEL : ISHH25
MADE IN CHINA Class I, Groups A,B,C&D.
Class II, Groups E,F&G.
Class III, T4.
Only as to Intrinsic Safety for use in hazardous locations.





D SIZE BATTERIES


119.0

9.0


SCALE 2:1




WARNING - TO REDUCE THE RISK OF EXPLOSION, DO NOT MIX FRESH BATTERIES WITH USED BATTERIES, OR MIX BATTERIES FROM DIFFERENT MANUFACTURERS.
WARNING - SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY.
AVERTISSEMENT: LA SUBSTITUTION DES COMPOSANTS PEUT NUIRE À LA SÉCURITÉ INTRINSÈQUE.
WARNING - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
AVERTISSEMENT - NE PAS OUVRIR EN PRÉSENCE D'UNE ATMOSPHÈRE EXPLOSIVE
WARNING - USE ONLY Energizer E95 or EN95 BATTERY.
AVERTISSEMENT - UTILISER UNIQUEMENT DES ACCUMULATEURS Energizer E95 or EN95



0539



I M1/II 1G



8,3

DEMKO 19 ATEX 2128
IECEx UL 19.0016
Ex Ia op Is I/II T4 Ma/Ga