

EU-Type Examination Certificate

[2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU

[3] EU-Type Examination Certificate Number: Presafe 16 ATEX 9867X Issue 0

[4] Product: Explosion-proof flashlights SL-25/SL-27

[5] Manufacturer: Scarlet Tech Ltd.

[6] Address: 3F., No. 318, Sec. 2, Fuxing S. Rd., Da'an Dist., Taipei City 106, Taiwan (R.O.C.)

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.


[8] DNV GL Nemko Presafe AS, notified body number 2460, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in confidential reports listed in section 16.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012/A11:2013, EN 60079-11:2012, and EN 60079-28:2015.

[10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

[11] This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12] The marking of the product shall include the following:

 II 2 G Ex ib op is IIC T4 Gb



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For DNV GL Nemko Presafe AS
The Certificate has been digitally signed.

See www.presafe.com/digital_signatures for more info



Date of issue: 2017-09-04

This certificate may only be reproduced in its entirety and without any change, schedule included.

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[13] Schedule

[14] EU-TYPE EXAMINATION CERTIFICATE No.: Presafe 16 ATEX 9867X Issue 0

[15] Description of Product

SL-25/SL-27 Explosion-proof flashlights is the compact and reliable LED torch powered by one lithium cell. It has three working modes: work mode, power saving mode and signal mode. It comprises aluminium enclosure, LED source, lithium cell, several circuit boards.

Type designation

SL-25/SL-27

Electrical Data

Um (for charging): 5.6 V d.c.
Rated voltage of cell: 3.8 V d.c.
Rated capacity of cell: 2600 mAh

Degrees of protection (IP Code)

IP67

Ambient temperature:

-20°C to +40°C

Routine tests

N/A

[16] Report No.: 2017-9344

Project No.: PRJC-548734-2016-PRC-CHN

[17] Specific Conditions of Use

Do not charge the product in hazardous location.
- The charger shall be SELV or PELV certified with output voltage of maximum 5.6 V d.c.
- Do not disassemble the product or replace the battery pack in hazardous location.
- Use only replaceable battery pack DSF-D01.

[18] Essential Health and Safety Requirements

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9.

[19] Drawings and documents

Number	Title	Rev.	Date
DSFB-6102	Portable Explosion-proof flashlight assembly drawing	A0	2017.03.06
DSFB-6102-07A	Battery Pack	A0	2017.03.06
DSFB-6102-07B	Battery connection diagram	A0	2017.03.06
DSFB-6102-18	Electrical schematic	A0	2017.03.06
DSFB-6102-17	Control board SMD components	A0	2017.03.06
DSFB-6102-19	Battery protection board SMT assembly	A0	2017.03.06
DSFB-6102-20	DC board patch assembly	A0	2017.03.06
DSFB-6102-21	LED Aluminum plate patch component	A0	2017.03.06
DSFB-6102-22	Battery protection board	A0	2017.03.06
DSFB-6102-23	PCB Electrical connection diagram	A0	2017.03.06
DSFB-6102-24	Electrical connection diagram	A0	2017.03.06
	Circuit Element Key Data Sheet		

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[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue	2017-09-04	2017-9344, Rev. 00

END OF CERTIFICATE