



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 INE 14.0027X

Issue No: 0

Certificate history:

Issue No. 0 (2015-03-25)

Status: **Current**

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Date of Issue: **2015-03-25**

Applicant: **Swift Energy Sdn Bhd**
Lot 48521 (PT 25145) Batu 6
Off Jalan Bukit Kemuning
Section 34
40470 Shah Alam
Selangor Darul Ehsan
Malaysia

Equipment: **Battery Charger type SWBC-24-800 or SWBC-48-800**

Optional accessory:

Type of Protection: **Ex d**

Marking: Ex d IIB+H2 T4 Gb IP66 Tamb. : -20°C ; +50°C or Tamb. : -20°C ; +55°C

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

Thierry HOUEIX

Position:

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

Certificate issued by:

INERIS
**Institut National de l'Environnement Industriel
et des Risques**
BP n2
Parc Technologique ALATA
F-60550 Verneuil-En-Halatte
France



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Lot 48521 (PT 25145) Batu 6
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Section 34
40470 Shah Alam
Selangor Darul Ehsan
Malaysia

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 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 Explosive atmospheres - Part 0: General requirements
Edition:6.0

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:

[FR/INE/ExTR14.0053/00](#)

Quality Assessment Report:

[NL/DEK/QAR11.0005/03](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Battery Charger type SWBC-24-800 or SWBC-48-800 is an assembly of flameproof enclosures types EJB13A and EJB11 manufactured by TECHNOR ITALSMEA (IECEX INE 10.0015X).

The difference in design for SWBC-24-800A or SWBC-48-800 is the output voltage and ampere rating of the battery chargers installed inside these EJB enclosures.

There are 2 options for these assemblies where each battery charger is derated in order to safely operate it under the maximum ambient temperature up to +50°C (derating to 70%) or up to +55°C (derating to 60%).

These assemblies provide the degrees of protection IP66 according to IEC 60529.

Electrical installation design, selection and erection of the assembly are in accordance with IEC 60079-14:2007.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Special conditions for safe use are described into the corresponding IECEx certificates and instructions of the different pieces of equipment which compose the final assembly.

Annex:

[IECEX INE 14.0027X-00_Annex.pdf](#)



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Annex: IECEx INE 14.0027X-00_Annex.pdf

PARAMETERS RELATING TO THE SAFETY

Rated Voltage	: 480 VAC
Rated Current (In)	: from 10 A to 800 A
Rated short time withstand current (Icw)	: from 20 kA to 50 kA / 1s
Rated peak withstand current (Ipk)	: 42 kA / 105 kA
Number of bars	: L1, L2, L3, N, PE

The electrical parameters of the different pieces of equipment which compose the assembly are those described into the corresponding IECEx certificates.

MARKING

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

- SWIFT Energy
- Shah Alam, Selangor
Malaysia
- SWBC-24-800 or SWBC-48-800
- IECEx INE 14.0027X
- (Serial number)
- Ex d IIB+H2 T4 Gb IP66
- Tamb: -20°C to +50°C or -20°C to +55°C (*)

(*) Maximum ambient temperature up to +50°C (each battery charger derating to 70%) or up to +55°C (each battery charger derating to 60%)

Marking may be carried out in the language of the country of use.

The equipment has also to carry the marking normally stipulated by its construction standards.

ROUTINE EXAMINATIONS AND TESTS

None.