

CERTIFICATE

Issued to:
Applicant:
HEP Tech Co. Ltd.
20 Jingke 7th Rd.
Taichung 408, Taiwan

Manufacturer/Licensee:
HEP GmbH
Ramsloh 10
58579 Schalksmühle, Germany

Products : Emergency unit for fluorescent lamps
Trade name : HEP GROUP
Types : EV-U 5-80 SW, EV-U 5-80 SW 100V

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 61347-1:2015; EN 61347-2-7:2012
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2013493

DEKRA hereby grants the right to use the ENEC KEMA-KEUR certification mark.

The ENEC KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the ENEC KEMA-KEUR certification agreement and under the conditions of the ENEC KEMA-KEUR certification agreement.

This certificate is issued on: 10 March 2016 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 3406128.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



J. Marggraf
Certification Manager

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ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

| | | |
|----------------------------------|---|--|
| product | : | Emergency unit for fluorescent lamps |
| trade name | : | HEP GROUP |
| Types | : | EV-U 5-80 SW, EV-U 5-80 SW 100V |
| rated voltage | : | see product data per type |
| rated supply current | : | see product data per type |
| power factor | : | see product data per type |
| for lamp type | : | acc. data sheet |
| rated max. operating temperature | : | tc = 75 °C |
| ambient temperature range | : | ta = +5 °C to +45 °C (loading), 0 °C to +70 °C (emergency) |
| duration of emergency operation | : | 1 hr to 7 hr |
| description | : | for building in luminaire appliances |

Additional information

- emergency unit for fluorescent lamps
- with screwless terminals, for internal wiring only 0,5...1,5mm²
- with additional terminals Lin and Lout for disconnecting the mains ballast
- provided with terminal for load indicator
- suitable for Battery/Akku 6V 2,5Ah to 6V 7Ah NiCD or NiMH
- max. enclosure temperature 110°C under abnormal or fault conditions

Product data - type EV-U 5-80 SW

| | | |
|----------------------|---|-----------------|
| rated voltage | : | 220-240 V |
| rated supply current | : | 4-50 mA (230 V) |
| power factor | : | 0,7 |

Product data - type EV-U 5-80 SW 100V

| | | |
|----------------------|---|-----------------|
| rated voltage | : | 100-277 V |
| rated supply current | : | 6-85 mA (100 V) |
| power factor | : | 0,85 |

TESTS**Test requirements**

EN 61347-1:2015
EN 61347-2-7:2012

Test result

The test results are laid down in DEKRA test file 3406128.00.

Remarks

- The component list is laid down in test report 3406128.50.
- This certificate supersedes ENEC/KEMA-KEUR 2155229.01, dated on 2012-07-09 which is herewith declared invalid.

Conclusion

The examination proved that all test requirements were met.

Tested by : M. Müller

A handwritten signature in blue ink, appearing to read 'M. Müller'.

Checked by : T.H.J.M. Michels

A handwritten signature in blue ink, appearing to read 'T.H.J.M. Michels'.**Factory locations**

HEP GmbH
Ramsloh 10, 58579, Schalksmühle
Germany

Weisen Electronic Co. Ltd.
Sanzao Ind. Park of Zhuhai, Guangdong Province
China