

CERTIFICATE

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

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

Product : Electronic control gear for fluorescent lamps
Trade name : HEP GROUP
Types : SIS118-36I UNI, SIS158I UNI

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 60929:2011; EN 61347-1:2008; EN 61347-2-3:2011
- 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: 17 November 2014 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 3404552.01

DEKRA Certification B.V.



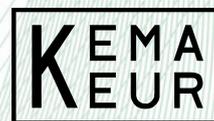
drs. G.J. Zoetbrood
Managing Director



H. Biener
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

product	:	Electronic control gear for fluorescent lamps
trade name	:	HEP GROUP
types	:	SIS118-36I UNI, SIS158I UNI
rated current	:	@230 V; see product data per type
rated supply voltage	:	100-277 Vac
rated frequency	:	0/50-60 Hz
power factor	:	0,95
rated temperature range	:	-25...+60 °C
rated wattage	:	see product data per type
maximum case temperature	:	see product data per type
description	:	for building in luminaire appliances

Additional information

- for compact or tubular fluorescent lamps
- with screwless terminals suitable for 0,5...1,5 mm²
- ballasts without preheating (cold start mode)
- thermally protected electronic ballast with a max. temperature of 110 °C under fault conditions
- the tests according clause 17 of EN/IEC 61347-2-3, (Behaviour of the ballast at the end of lamp life) cover also the end of life requirements for fluorescent lamps, Asymmetric power test in accordance with IEC 60079-7, Edition 4, Annex H.

Product data - type SIS118-36I UNI

rated current	:	max. 150 mA
rated wattage	:	1x 18 W, 36 W (T8) 1x 20 W, 40 W (T12)
max. case temperature	:	tc = 70°C

Product data - type SIS158I UNI

rated current	:	max. 230 mA
rated wattage	:	1x 58 W (T8) 1x 60 W (T12)
max. case temperature	:	tc = 75°C

TESTS**Test requirements**

EN 61347-1:2008 + A1:2011 + A2:2013

EN 61347-2-3:2011

EN 60929:2011

Test result

The test results are laid down in DEKRA test file 3404552.00.

Conclusion

The examination proved that all test requirements were met.

Tested by : M. Müller



Checked by : T.H.J.M Michels

**Factory locations**HEP Engineering GmbH
Ramsloh 10
58579 Schalksmühle
GermanyWeisen Electronic Co. Ltd.
Sanzao Ind. Park of Zhuhai
Zhuhai City, Guangdong Province
ChinaChuan Wei Electronic (Wuxi) Co., Ltd.
No. 108 Yan Xiang Rd
214116 Wuxi City Jiangsu Province
China

List of components

Component	trade name	type/model	approval mark ¹⁾
screwless terminals	WAGO	250	ENEC
screwless terminals	Anytek	HC-series	TUEV
screwless terminals	Phoenix	PTSA 1,5...	VDE
¹⁾ * indicates a component tested as part of the appliance			