

CERTIFICATE

Issued to:
Applicant:
TCI Telecomunicazioni Italia Srl
Via Parma 14
21047 Saronno (VA), Italy

Manufacturer/Licensee:
TCI Telecomunicazioni Italia Srl
Via Parma 14
21047 Saronno (VA), Italy

Product : Electronic control gear for Light Emitting Diodes
Trade name(s) : TN101 and TCI
Type(s)/model(s) : DC 30W 12V VPS LP or K 2949, DC 30W 24V VPS LP or K 2950,
DC 50W 12V VPS LP or K 2951, DC 50W 24V VPS LP or K 2952,
DC 75W 12V VPS LP or K 2953 and DC 75W 24V VPS LP or K 2954

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 61347-2-13:2014 and EN 61347-1:2015
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2033016

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

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

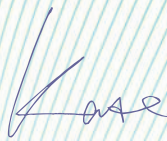
This certificate is issued on 10 May 2017 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-100261

DEKRA Certification B.V.



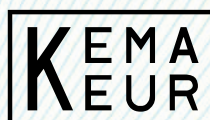
drs. G.J. Zoetbrood
Managing Director



Kate Xu
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Electronic control gear for Light Emitting Diodes
Trade name(s)	: TN101 and TCI
Type(s)/model(s)	: DC 30W 12V VPS LP or K 2949, DC 30W 24V VPS LP or K 2950, DC 50W 12V VPS LP or K 2951, DC 50W 24V VPS LP or K 2952, DC 75W 12V VPS LP or K 2953 and DC 75W 24V VPS LP or K 2954

Product data – type DC 30W 12V VPS LP or K 2949

Primary voltage [1]	: 220-240 V (50 Hz)
Primary current [A] [2]	: 0,2
Sec. Power [W]	: 30
Sec. Parameter [V]	: 12
Ta [°C]	: 45
Ta [°C]	: 80
Thermal protection [3]	: 110 °C
Class (IP grade)	: II IP20

Product data – type DC 30W 24V VPS LP or K 2950

Primary voltage [1]	: 220-240 V (50 Hz)
Primary current [A] [2]	: 0,2
Sec. Power [W]	: 30
Sec. Parameter [V]	: 24
Ta [°C]	: 45
Ta [°C]	: 80
Thermal protection [3]	: 110 °C
Class (IP grade)	: II IP20

Product data – type DC 50W 12V VPS LP or K 2951

Primary voltage [1]	: 100-240 V (50/60 Hz)
Primary current [A] [2]	: 0,76
Sec. Power [W]	: 50
Sec. Parameter [V]	: 12
Ta [°C]	: 45
Ta [°C]	: 80
Thermal protection [3]	: 110 °C
Class (IP grade)	: II IP20

Product data – type DC 50W 24V VPS LP or K 2952

Primary voltage [1]	: 100-240 V (50/60 Hz)
Primary current [A] [2]	: 0,76
Sec. Power [W]	: 50
Sec. Parameter [V]	: 24
Ta [°C]	: 45
Ta [°C]	: 80
Thermal protection [3]	: 110 °C

Class (IP grade) : II
IP20

Product data – type DC 75W 12V VPS LP or K 2953

Primary voltage [1] : 100-240 V (50/60 Hz)
Primary current [A] [2] : 0,98
Sec. Power [W] : 75
Sec. Parameter [V] : 12
Ta [°C] : 45
Ta [°C] : 80
Thermal protection [3] : 110 °C
Class (IP grade) : II
IP20

Product data – type DC 75W 24V VPS LP or K 2954

Primary voltage [1] : 100-240 V (50/60 Hz)
Primary current [A] [2] : 0,98
Sec. Power [W] : 75
Sec. Parameter [V] : 24
Ta [°C] : 45
Ta [°C] : 80
Thermal protection [3] : 110 °C
Class (IP grade) : II
IP20

TESTS**Test requirements**

EN 61347-2-13:2014
EN 61347-1:2015

Test result

The test results are laid down in DEKRA test file 350033600.

Additional Information

The test results are laid down in DEKRA test report No.2102544.50

General product information: The devices are controlgears for LED modules with SELV output. The devices have a stabilized output voltage and they are independent. Power factor = 0,96 for 30 W models, 0,90 C for the other models.

Notes: [1] – The models were tested in ± 10 % operational range. [2] – Value at max. rated power. [3] – The products have an overheating protection (C.5.e type) and comply with temperature limit of clause 4.16.2 of EN 60598-1:04 ("F" triangle marking), EN 60598-1:2015; VDE 0710 T14 ("MM" triangle marking) is applicable only to DC 45W 24V VPS MD.

Conclusion

The examination proved that all requirements were met.

Factory location

Yuyao Xianyao electronic Co., Ltd.
No. 22 Xingye Road
Technical Zone, Yangming
315400 Yuyao City, China