

CERTIFICATE

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

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

Product : Electronic controlgear for LED modules
Trade name(s) : TCI, TCI (with little dragon), TCI LED, TCI LED (with little dragon),
TCI LIGHT (with little dragon and ball in square), TCI LIGHT Saronno Italy or
TN101
Type(s)/model(s) : VEGA FPD IP67 (series)

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(s) EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 61347-1:2015 and EN IEC 62384:2020
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2033015

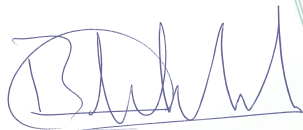
DEKRA hereby grants the right to use the ENEC certification mark.

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

This certificate is issued on 9 May 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-123555 REV.1

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



R Zhou
Certification Manager

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COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Electronic controlgear for LED modules
Trade name(s)	: TCI, TCI (with little dragon), TCI LED, TCI LED (with little dragon), TCI LIGHT (with little dragon and ball in square), TCI LIGHT Saronno Italy or TN101
Type(s)/model(s)	: VEGA FPD IP67 (series)
Primary voltage	: 100-240V/277V or 100-277V
Nature of supply	: alternate current
Rated frequency	: 50/60 Hz
Primary current	: From 0,4 to 7,5 A
Output current	: From 0,75 to 12,5 A
Output power	: From 75 to 600 W
Type of load	: LED modules, power LED
Classification	: Independent

TESTS**Test requirements**

EN 61347-2-13:2014
EN 61347-2-13:2014/A1:2017
EN 61347-1:2015
EN IEC 62384:2020

Test result

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

Additional information

For specific Model/Type electrical rating refer to following pages.

DEKRA test report No. 3500336.600 and 3500336.601 are laid down in DEKRA test file 350033600; they contain test results; DEKRA test report No. 3500336.600 contains critical component list.

This certificate replaces certificate No. 81-123555 which we hereby declare invalid.

Conclusion

The examination proved that all requirements were met.

Factory locations

Huizhou MOSO Energy Technology Co., Ltd.
Hongda International Industrial City, Luoyang Town, Boluo County
516100 Huizhou City Guangdong, China

Moso Power Supply Technology Co., Ltd.
Sangtai Industrial Park, Guanwai Xiaobaimang Songbai Road, Nanshan District,
518108 Shenzhen Guangdong, China

General product information: The devices are class I, independent LED drivers with metal enclosure filled with potting material. The LED drivers are constant current output types, and the output current can be adjusted by the dimming circuit. The supply voltage is 100-240/277 V 50/60 Hz or 100-277 V 50/60 Hz.

Type/s	ac input current (A) [1]	Power factor	Output Power (W)	Output Current (A)	U _{OUT} (Vdc)	ta (°C) [2]	tc (°C)	Use [3]
VEGA 75/940-1880 FPD IP67	1,1 0,4 [▲]	0,95 (Po>42 W)	75	0,94-1,88 0,19 [■]	70	50 (100-200 V) 60 (200-240 V, 277 V)	90	SELV, 110, DIM
VEGA 200/750-1500 FPD IP67	2,8 0,9 [▲]	0,95 (Po>97 W)	75	0,75-1,5 0,15 [■]	210	50 (100-200 V) 60 (200-240 V, 277 V)	90	ISO, 110, DIM
VEGA 480/5000-10000 12V FPD IP67	6 2,3 [▲]	0,95 (Po>301 W)	480	5-10 1 [■]	70	45 (100-200 V) 55 (200-240 V, 277 V)	90	SELV, 110, DIM, 12V
VEGA 600/875-1750 12V FPD IP67	7,5 2,8 [▲]	0,95 (Po>279 W)	600	0,875-1,75 0,175 [■]	450	45 (100-200 V) 55 (200-240 V, 277 V)	90	ISO, 110, DIM, 12V
VEGA 600/6250-12500 12V FPD IP67	7,5 2,8 [▲]	0,95 (Po>262 W)	600	6,25-12,5 1,25 [■]	60	45 (100-200 V) 55 (200-240 V, 277 V)	90	SELV, 110, DIM, 12V

Notes: [1] – Supply: 100-240/277 V 50/60 Hz or 100-277 V 50/60 Hz; [▲] value at 277 V; [■] value at minimum dimming; [2] – ta min is -40 °C for all models; [3] – SELV=SELV output; ISO=isolating controlgear; 110=the products have an overheating protection (C.5.e thermistor) and comply with temperature limit of EN 60598-1:2015/A1:2018; DIM=dimnable; 12V=auxiliary output.

Connections		VEGA 75/940-1880 FPD IP67	VEGA 200/750-1500 FPD IP67	VEGA 480/5000-10000 12V FPD IP67	VEGA 600/875-1750 12V FPD IP67	VEGA 600/6250-12500 12V FPD IP67
Input supply	PRI	Tails 3x 1 mm ²	Tails 3x 1 mm ²	Tails 3x 1 mm ²	Tails 3x 1 mm ²	Tails 3x 1 mm ²
Dimming control	DIM +, DIM-	Tails 2x 1 mm ²	Tails 2x 1 mm ²	Tails 3x 1 mm ²	Tails 3x 1 mm ²	Tails 3x 1 mm ²
Auxiliary output	12+, 12-	-	-			
Output load	Vo+, Vo-	Tails 2x 1 mm ² or 2x 18AWG	Tails 2x 1 mm ² or 2x 18AWG	Tails 2x 1 mm ² or 2x 18AWG	Tails 2x 1 mm ² or 2x 18AWG	Tails 4* 16AVG

Additional information

Use	Independent with enclosure IP67; up to 2000 m above sea level.	
Features	All models have the following features: for LED; stabilized output current (CC); multiple value load; short-circuit proof type; impulse withstand category II; Pollution degree 2; Material group IIIa. DIM port can be set for dimming; Constant Light Output (CLO) or midnight features are available. VEGA 480/5000-10000 12V FPD IP67, VEGA 600/875-1750 12V FPD IP67, VEGA 600/6250-12500 12V FPD IP67 have assistant output incorporated in the dimming circuit for the sensor/dimmer device: 12 V max. 300 mA 3,6 W. Total circuit power: 85-87 W for VEGA 75/940-1880 FPD IP67, 215-220 W for VEGA 200/750-1500 FPD IP67, 510-520 W for VEGA 480/5000-10000 12V FPD IP67, 635-650 W for VEGA 600/875-1750 12V FPD IP67, VEGA 600/6250-12500 12V FPD IP67.	
INSULATION (B= basic, S= supplementary, R= double or reinforced)		
PRI ↔ SEC, PRI ↔ DIM		R
SEC ↔ DIM, SEC ↔ 12V		S
12V ↔ DIM		-
PRI ↔ external of enclosure, SEC (other than SELV) ↔ external of enclosure		R

Assessment to EN IEC 60598-2-1:2021 used in conjunction with EN IEC 60598-1:2021 has been performed. Assessment to EN 62493:2015 has been performed. Assessment to EN IEC 62442-3:2022 has been performed.
