

# CERTIFICATE

Issued to:  
Applicant:  
**TCI Telecomunicazioni Italia S.r.l.**  
Via Parma, 14  
21047 Saronno (VA), Italy

Licensee:  
**TCI Telecomunicazioni Italia S.r.l.**  
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) : MAXI JOLLY SV 70 \*\* (\* means any alphanumeric characters)

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

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

- a type test according to EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 61347-1:2015, EN 61347-1:2015/A1:2021 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

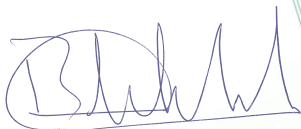
DEKRA hereby grants the right to use the ENEC certification mark.

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 14 May 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-140661

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



K Xu  
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE  
DUTCH ACCREDITATION  
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)	: MAXI JOLLY SV 70 ** (* means any alphanumeric characters)
Primary voltage	: 110-127 V, 220-240 V for a.c. supply, 196-250 V for d.c. supply
Rated frequency	: 50/60 Hz, 0 Hz
Primary current	: From 0,4 to 0,59 A for a.c. supply, 0,43 A for d.c. supply
Secondary current	: From 0,3 to 1,4 A
Secondary power	: From 16 to 70 W
Type of load	: LED modules, power LED
Classification	: Independent, Built in

**TESTS****Test requirements**

EN 61347-2-13:2014  
EN 61347-2-13:2014/A1:2017  
EN 61347-1:2015  
EN 61347-1:2015/A1:2021  
EN IEC 62384:2020

**Test result**

The test results are laid down in DEKRA test file 350964600.

**Additional information**

DEKRA test report No. 3509646.80 and 3509646.81 are laid down in DEKRA test file 350964600; they contain test results.

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

The list of components is laid down in test report 3509646.80.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

TCI Telecomunicazioni Italia S.r.l.  
Via Parma, 14  
21047 Saronno (VA), Italy



<b>General product information:</b>									
The devices are controlgears for LED modules with SELV stabilized output current (CC) depending on the selection of the S100 DIP switch or NFC programming. Dimming features are detailed in the technical specification.									
Type/s	a.c./*d.c. supply (V) [1]	Input current (A)	Power factor	Max. Output power (W)	Output current (A)	Uout d.c. (V)	ta (°C)	tc (°C)	Use [2]
MAXI JOLLY SV 70 EASY DALI (K2J12)	220-240 110-127	0,4 0,59	0,93 C (Po≥30 W) 0,9 C (Po≥8 W)	35-70 35-50	0,65-1,4	59	-25...45	85	II, 110
MAXI JOLLY SV 70 EASY DALI 142104ASN	*176-275	*0,43		*35-70			-25...40		II, 110, DNC
MAXI JOLLY SV 70 DALI NFC (K2J13)				16-70 16-50	0,3-1,4		-25...45		II, 110
MAXI JOLLY SV 70 DALI NFC 142100ASN				*16-70			-25...40		II, 110, DNC
MAXI JOLLY SV 70 DALI NFC BI (K2J14)							-25...50		BI, 110

Notes: The Kxxxx code can replace the type reference. [1] – a.c. at 50/60 Hz; \*d.c. supply, see additional information for rated/operative range. [2] – II=independent IP20 class II; 110= overheating protection (C.5.a type); DNC=do not cover (AS 61347.1).

<b>Connections</b>		
Supply	PRI (L, N)	screwless terminal block 0,5...2,5 mm <sup>2</sup> for built-in models screwless terminal block 0,75...2,5 mm <sup>2</sup> for independent models
External control	DA/Ls, DA/N	screwless terminal block 0,5...2,5 mm <sup>2</sup> for built-in models screwless terminal block 0,75...2,5 mm <sup>2</sup> for independent models
Output reference	PR	screwless terminal block 0,5...2,5 mm <sup>2</sup> for built-in models screwless terminal block 0,75...2,5 mm <sup>2</sup> for independent models
Local control	ADIM +/-	screwless terminal block 0,5...1,5 mm <sup>2</sup> for built-in models screwless terminal block 0,75...1,5 mm <sup>2</sup> for independent models
Auxiliary	NTC, 12Vaux	screwless terminal block 0,5...1,5 mm <sup>2</sup>
SYNC	Master, Slave	connector
Output load	SEC +/-	screwless terminal blok 0,5...1,5 mm <sup>2</sup>

<b>Additional information</b>	
Use	Independent or built-in controlgear for ordinary luminaire, up to 2000 m above sea level.
Features	For LED; stabilized output current; multiple value load; short-circuit proof type; impulse withstand category II; Pollution degree 2; Material group IIIa; thermal protection protection (C.5.a); The material of enclosure was tested with favourable result for Glow-wire at temperature 750-960 °C. Total circuit power: 76 W.
DC operation	Models suitable for d.c. operation (EL symbol) have been tested in the rated supply range 196-250 V for the specific use in centralized emergency installations (extended range 176-275 V); assessment to IEC 60598-2-22:2021 used in conjunction with IEC 60598-1:2020 (valid for EN IEC 60598-2-22:2022 used in conjunction with EN IEC 60598-1:2021) has been performed for independent models (for built-in models only Clauses 22.7.2 and 22.7.3 have been assessed).

The creepage distances, clearances and connections of control gears in the final application shall be according to EN 60598-1 or national deviations of the country where installed:		
INSULATION (B= basic, S= supplementary, R= double or reinforced)	Independent models	BI model
active parts ↔ touchable parts	R	-
active parts ↔ bottom surface of enclosure	R	R
PRI ↔ SEC, NTC, 12Vaux, ADIM +/-, SYNC; PRI ↔ PR	R	
PRI ↔ DA	B	
PR ↔ SEC, NTC, 12Vaux, ADIM +/-, SYNC	B	
DA ↔ PR; DA ↔ SEC, NTC, 12Vaux, ADIM +/-, SYNC	S	
Assessment to EN IEC 60598-2-22:2022 used in conjunction with EN IEC 60598-1:2021 has been performed. Assessment to EN 62493:2015, EN 62493/A1:2022 has been performed. Assessment to normally flammable surfaces according to EN 60598-1:2021 have been performed. Assessment to EN IEC 62442-3:2022 has been performed.		