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)	:	DC MICRO JOLLY ** (* means any alphanumeric characters) and DC Micro Z ** (* 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 based on:
- 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 421
- a DEKRA certification agreement with the number 2033015

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

Compliance with the requirements of this Standard carries a presumption of conformity with the essential safety requirements of the Low voltage directive (LVD) 2014/35/EU.

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 licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification.

This certificate is issued on 14 July 2026 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-179059

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

Kreny Lin
Certification Manager

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ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL

PRODUCTS
RvA C 001

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)	:	DC MICRO JOLLY ** (* means any alphanumeric characters) and DC Micro Z ** (* means any alphanumeric characters)
Primary voltage	:	220-240 V AC, 196-250 V DC
Nature of supply	:	AC/DC
Rated frequency	:	50/60 Hz or 50-60 Hz, 0 Hz
Rated current	:	0,05-0,07 A for AC, 0,023-0,039 A for DC
Output current	:	From 0,35 to 0,5 A
Output power	:	From 4 to 6 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 documented in DEKRA test file 351061900.

Additional information

Above statement reflects the information shown in the Summary of Testing, document reference No. 3510619.140EU, on which this Certificate is based.

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

The list of components is laid down in test report 3510619.140.

Conclusion

The examination has confirmed that all requirements were met.

Factory location

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

General product information: The devices are intended to supply high power Light Emitting Diodes or LED modules by the following primary voltage: 220-240 V 50/60 Hz or 50-60 Hz; 196-250 Vdc 0 Hz. The output current is stabilized, SELV.

Type/s	ac/*dc supply current (A)	Power Factor	Output Power (W)	Output current (A)	U_{OUT} (V)	ta (°C)	tc (°C)	Use [2]
DC MICRO JOLLY 350 (K2674)	0,07 *0,031-0,039	0,55 C	6	0,35	24	-25...50	70	II, 110
DC MICRO JOLLY 350 OF (K2675)						-	80 [1]	OF
DC MICRO JOLLY 500 (K2676)	0,07 *0,031-0,039	0,55 C		0,5	12	-25...50	70	II, 110
DC MICRO JOLLY 500 OF (K2677)						-	80 [1]	OF
DC Micro Z (K2678)	0,05 *0,023-0,028	0,5 C	4	0,35	13	-25...50	70	DI, 100
DC Micro Z OF (K2679)						-	80 [1]	OF

Notes: The Kxxxx can replace the type. [1] – tc measured on the top of C3 capacitor for OF models. [2] – II = independent, class II, IP20; DI = built-in with double insulation; OF = built-in without enclosure; 100-110= overheating protection (C.5.a type).

Connection			
Models		DC MICRO JOLLY 350, DC MICRO JOLLY 500, DC MICRO JOLLY 350 OF, DC MICRO JOLLY 500 OF	DC Micro Z, DC Micro Z OF
Supply	PRI	Screw terminals, 0,75-2,5 mm²	Screw terminals, 0,5-1,5 mm² (stranded wire) 2,5 mm² (solid wire)
Control (if present)	PUSH/1…10V	Screwless terminals, 0,5-1,0 mm²	-
Load	SEC	Screwless terminals, 0,5- 1,0 mm²	0,5 mm² tails (H05V2-K)

Additional information	
Use	Independent or built-in for ordinary luminaire, up to 2000 m above sea level.
Features	For LED; short-circuit proof type; impulse withstand category II; pollution degree 2; material group IIIa. Suitable for direct mounting on normally flammable surfaces. Total circuit power: 8,2 W for DC MICRO JOLLY models; 5,8 W for DC Micro Z models.
DC operation	All models are suitable for d.c. operation (EL symbol) and they have been tested in the rated supply range 196-250 V for the specific use in centralized emergency installations (extended range 176-275 V), not intended for use in luminaires for high-risk task area lighting. Assessment to EN IEC 60598-2-22:2022 used in conjunction with EN IEC 60598-1:2021 has been performed for independent models (for built-in model only Clauses 22.7.2, 22.7.3 and Annex 2 have been assessed).

INSULATION: B= basic, S= supplementary, R= double or reinforced	
PRI ↔ SEC, PUSH/1…10V	R
SEC ↔ PUSH/1…10V	-
active parts ↔ the external surfaces of enclosure for all models with enclosure	R
OF models have been tested inside the enclosure of equivalent independent models. The creepage distances, clearances and connections of control gears in the final application shall be according to EN IEC 60598-1 or national deviations of the country where installed. Assessment to EN 62493:2015, EN 62493:2022 has been performed. Assessment to EN IEC 62442-3:2022 has been performed.	