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 MINI JOLLY ** DALI ** (*means any alphanumeric characters) and MINI JOLLY ** DALI ** (*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 021
- 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 certificate is issued on 17 October 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-144729 REV.1

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

Miranda Zhou
Certification Manager

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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 MINI JOLLY ** DALI ** (*means any alphanumeric characters) and MINI JOLLY ** DALI ** (*means any alphanumeric characters)
Primary voltage	:	110-240 V (or 110-127 V, 220-240 V) for a.c., 196-250 V for d.c.
Rated frequency	:	50/60 Hz, 0 Hz
Primary current	:	From 0,11 A to 0,16 A for a.c., from 0,07-0,16 A for d.c.
Secondary current	:	From 0,1 to 0,9 A
Secondary power	:	From 0,2 to 25 W
Secondary voltage	:	24 V
Secondary power	:	From 0,3 to 22 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 351015300.

Additional information

Above statement, reflects the information shown in the Summary of Testing, document reference No. 3510153.280EU-1, on which this Certificate is based.

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

This certificate replaces certificate No. 81-144729 which we hereby declare invalid.

The list of components is laid down in test report 3510153.280.

Conclusion

The examination has confirmed that all requirements were met.

Factory location

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

General product information for Group 1: The devices are electronic controlgears for LED modules with SELV output.									
Type/s	PRI voltage (V)	PRI Current (A)	Power Factor	Output Power (W) [1]	SEC outputs [1]	U_{out} d.c. (V)	t_a (°C)	t_c (°C) [2]	Use [3]
DC MINI JOLLY 10 DALI (K2J24)	110-240	0,11	0,62 C-0,99 (0,95@Po>7 W)	0,7-10	0,25-0,7 A 24 V	55	-25..45	70	II, 110, DNC
DC MINI JOLLY 10 DALI BI (K2J25)	176-280*	0,07*							DI, 110
DC MINI JOLLY 10 DALI OF (K2J26)							-	80	OF
MINI JOLLY EASY DALI (K2J18)	220-240	0,13	0,27 C-0,99 (0,95@Po>9 W)	0,3-^22-25	0,15-0,9 A ^24 V	59	-25..45	75	II, 110
MINI JOLLY EASY DALI BI (K2J19)	110-127	0,16	0,62 C-0,99 (0,95@Po>3 W)	0,3-13,5			-25..50		DI, 110
MINI JOLLY EASY DALI OF (K2J20)	176-280*	0,16*					-	80	OF
MINI JOLLY 25 DALI NFC (K2J21)	220-240	0,13	0,25 C-0,99 (0,95@Po>9 W)	0,2-25	0,1-0,9 A	59	-25..45	75	II, 110
MINI JOLLY 25 DALI NFC BI (K2J22)	110-127 176-280*	0,16 0,16*	0,6 C-0,99 (0,95@Po>3 W)	0,2-13,5			-25..50		DI, 110
MINI JOLLY 25 DALI NFC OF (K2J23)							-	80	OF
Notes: The Kxxxx code can replace the type reference. Supply frequency=50/60 Hz; *0 Hz (see Additional information for rated values). [1] – Different values according to DIP switch or NFC selection (see label). [2] – tc is on the cap of C15 capacitor for OF models. [3] – II = independent IP20 class II; DI = built-in with double insulation; OF = built-in without enclosure; DNC = Do Not Cover; 110 = overheating protection.									

Connection: Screw-less terminal	Connection to supply (PRI) L, N	Connection to control (DALI) DA1, DA2	Connection to NTC +/-	Connection to control ADIM +/-	Connection to load (SEC) +/-
DC MINI JOLLY 10 DALI	0,75-1,5 mm²	0,75-1,5 mm²	0,5-1,5 mm²	-	0,5-1,5 mm²
MINI JOLLY EASY DALI, MINI JOLLY 25 DALI NFC	0,75-1,5 mm²	0,75-1,5 mm²	-	0,5-1,5 mm²	0,5-1,5 mm²
DC MINI JOLLY 10 DALI BI, DC MINI JOLLY 10 DALI OF	0,5-1,5 mm²	0,5-1,5 mm²	0,5-1,5 mm²	0,5-1,5 mm²	0,5-1,5 mm²
MINI JOLLY EASY DALI BI, MINI JOLLY EASY DALI OF, MINI JOLLY 25 DALI NFC BI, MINI JOLLY 25 DALI NFC OF	0,5-1,5 mm²	0,5-1,5 mm²	-	0,5-1,5 mm²	0,5-1,5 mm²

Additional information	
Use	Independent and built-in for ordinary luminaire; up to 2000 m above sea level.

Features	For LED; stabilized output current (CC) or voltage (CV); multiple value load; short-circuit proof type; impulse withstand category II; Pollution degree 2; Material group IIIa; the material of enclosure was tested with favourable result for Glow-wire at temperature 750-960 °C. The output of DC MINI JOLLY 10 DALI models can be reduced by NTC signal in case of overheating on the LED module. Dimming features (local ADIM, DALI network) are detailed in the technical specification.
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 176-280 V); 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 models only Clauses 22.7.2, 22.7.3**, 22.19 and Annex 2** have been assessed).

INSULATION (B= basic, S= supplementary, R= double or reinforced)	
PRI ↔ DALI	B
DALI ↔ SEC, DALI ↔ NTC for DC MINI JOLLY 10 DALI models	S
DALI ↔ SEC, DALI ↔ ADIM for MINI JOLLY EASY DALI, MINI JOLLY 25 DALI NFC models	R
PRI ↔ SEC, active parts ↔ external surfaces of enclosure	R

The OF models have been tested in the same enclosure of BI models, the safety evaluations must be repeated if they will be assembled alone in the final luminaire. The connections of controlgears in the final application shall be according to EN IEC 60598-1 or national deviations of the country where installed.
Assessment to normally flammable surfaces according to EN IEC 60598-1:2021 has been performed.
Assessment to EN 62493:2015, EN 62493/A1:2022 has been performed.
Assessment to EN IEC 62442-3:2022 has been performed.