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 35W 24V ** (*means any alphanumeric characters), JOLLY ** NFC ** (*means any alphanumeric characters) and JOLLY EASY ** (*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 26 November 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-167803

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

Kate Xu
Certification Manager

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DUTCH ACCREDITATION
COUNCIL

PRODUCTS
RvA C 001

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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 35W 24V ** (*means any alphanumeric characters), JOLLY ** NFC ** (*means any alphanumeric characters) and JOLLY EASY ** (*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.
Nature of supply	:	alternate current, direct current
Rated frequency	:	50/60 Hz, 0 Hz
Primary current	:	From 0,18 A to 0,2 A for a.c., from 0,23-0,24 A for d.c.
Secondary power	:	From 0,7 W to 38 W for CC selections, from 0,7 W to 12,6 W for 12 V selection, from 0 W to 35 W for 24 V selection
Secondary current	:	From 0,15 A to 1,05 A
Secondary voltage	:	From 12 V to 24 V
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. 3510153.290EU-1, 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 3510153.290.

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 controlgears for LED modules with stabilized output current (CC) or voltage (CV); DC 35W 24V K2 is not dimmable, the other models can be dimmed by DALI, Push switch or ADIM; the output parameter can be selected by the DIP switch or NFC. All models are SELV. The input voltage is 110-240 V or 220-240 V 50/60 Hz.

Type/s	ac/*dc supply (V)	ac/*dc current (A)	Power factor	Po (W)	SEC output	U_{out} (V dc)	ta (°C)	tc (°C)	Use [3]
JOLLY 38 DALI NFC (K2I07)	110-127	0,18	0,7 C-0,99 0,95 (Po≥4 W)	0,7-15	0,15-1,05 A	59	-25…45	85	II, 110
JOLLY 38 DALI NFC BI (K2I08)	220-240	0,2	0,38 C-0,99 0,95 (Po≥14 W)	0,7-38			-25...50	85	DI, 110
JOLLY 38 DALI NFC OF (K2I09)	176-275*	*0,24		0,7-38			-	80 [2]	OF
JOLLY EASY DALI (K2I07)	110-127	0,18	0,7 C-0,99 0,95 (Po≥4 W)	0,7-^12,6-15	0,3-1,05 A ^12 V ºº24 V	59 13 25	-25…45	85	II, 110
JOLLY EASY DALI BI (K2I08)	220-240	0,2	0,38 C-0,99 0,95 (Po≥14 W)	0,7-^12,6-ºº25,2-38			-25…50	85	DI, 110
JOLLY EASY DALI OF (K2I09)	176-275*	*0,24		0,7-^12,6-ºº25,2-38			-	80 [2]	OF
DC 35W 24V K2 (K2I10)	220-240	0,18	0,1 C-0,98 0,95 (Po>16 W)	0-35	24 V	24	-25…40/45 [1]	85	II, 110
DC 35W 24V BI (K2I11)	176-275*	*0,23		0-35			-25…50/45 [1]		DI, 110
DC 35W 24V OF (K2I12)							-	80 [2]	OF

Notes: The Kxxxx code can replace the type reference; * rated range: 196-250 V, extended range: 176-275 V; [1] – Different heating for Po>30 W or Po≤30 W; [2] – OF models: tc position is on the cap of C15 (C16 for DC 35W 24V OF). [3] – Symbols: II= independent class II; DI=Built-in with double insulation; OF= Built-in without enclosure; 110= products have an overheating protection (C.5.a automatic resetting type).

Connections		
Input supply	L, N	Terminal 0,5…1,5 mm² (0,75…1,5 mm² for independent model)
DALI control	DA/Ls, DA/N	Terminal 0,5…1,5 mm² (0,75…1,5 mm² for independent model)
Analog control	ADIM +, -	Terminal 0,5…1,5 mm²
Sincro signal	SYNC +, -	Connector
Output load	SEC +, -	Terminal 0,5…1,5 mm²

Additional information	
Use	Independent and built-in for ordinary luminaire; up to 2000 m above sea level.
Features	All models have the following features: for LED; stabilized output; multiple value load; short-circuit proof type; impulse withstand category II; Pollution degree 2; Material group IIIa. The tests for OF models have been performed using the same enclosure of BI models. Total circuit power: 42,5 W for JOLLY 38 DALI NFC and JOLLY EASY DALI models, 40 W for DC 35W 24V K2 models.

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 or 176-276 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)		
Between L, N ↔ DA/Ls, DA/N		B
Between DA/Ls, DA/N ↔ SEC, ADIM, SYNC		R
Between L, N ↔ SEC, L, N ↔ ADIM, L, N ↔ SYNC		R
Between ADIM ↔ SEC ↔ SYNC		—
Between active parts ↔ bottom of the enclosure for built-in models		R
Between active parts ↔ external touchable parts for independent models		R
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 in the final application. Assessment to EN IEC 60598-2-22:2022 used in conjunction with EN IEC 60598-1:2021 has been performed. All models are suitable for direct mounting on normally flammable surfaces for values (most unfavorable) up to ta or the tc =70 °C for JOLLY 38 DALI NFC, JOLLY EASY DALI, ta max for DC 35W 24V K2. Assessment to EN 62493:2015, EN 62493/A1:2022 has been performed. Assessment to Clauses 8.1.4, 19.11.4, 22.5, 22.27, 22.42, 24.1.1, 24.1.2, 29, 30.2.3, 30.2.4 of EN 60335-1:2012, A11:2014, A13:2017, A1:2019, A14:2019, A2:2019; A15:2021 has been performed for DC 35W 24V models. Assessment to EN IEC 62442-3:2022 has been performed.		