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)	:	PROFESSIONALE 50

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.

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

Certificate number: 81-146573

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

MT Tonsi
Certification Manager

ACCREDITED BY THE
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)	:	PROFESSIONALE 50
Primary voltage	:	220-240 V
Nature of supply	:	alternate current
Rated frequency	:	50/60 Hz
Primary current	:	0,27 A
Type of load	:	LED modules, power LED
Secondary current	:	From 0,75 to 1, 5 A
Secondary power	:	From 36 to 53,3 W
Classification	:	Built in or independent
Working voltage U-OUT	:	60 V

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 350964600.

Additional information

DEKRA test report No. 3509646.280 and 3509646.281 are laid down in DEKRA test file 350964600; they contain test results.

The list of components is laid down in test report 3509646.280.

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 and other remarks:

The device is a controlgear for LED modules with stabilized output current (CC) depending on the selection of the S50 DIP switch, SELV output.

Type/s	supply (V) [1]	Input current (A)	Power factor	Output power (W)	Output current (A)	Uout d.c. (V)	ta (°C)	tc (°C)	Use [2]
PROFESSIONALE 50 or K2J28	220-240	0,27	0,95 (Po≥24 W)	36-53,3	0,75-1,5 (STEP 0,05)	60	-20..45	85	DI, 110

Notes: The K2J28 code can replace the type reference. [1] – a.c. at 50/60 Hz. [2] DI=built-in with double insulation, independent only with cable retainer (accessory); 110= overheating protection (C.5.a type).

Connections

Supply	PRI (L N)	screwless terminal block 0,2…1,5 mm² for built-in models screwless terminal block 0,75…1,5 mm² for independent models
Output load	SEC (+ -)	screwless terminal block 0,2…1,5 mm²

Additional information

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. The material of enclosure was tested with favourable result for Glow-wire at temperature 850-960 °C. Total circuit power: 58 W.

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)

active parts ↔ touchable parts of enclosure	R
PRI ↔ SEC	R

Assessment to EN IEC 60598-2-2:2024 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 IEC 60598-1:2021 have been performed.

Assessment to EN IEC 62442-3:2022 has been performed.