

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) : Driver 150W 24V Dali/PUSH and SIRIO 150 24V R DALI

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

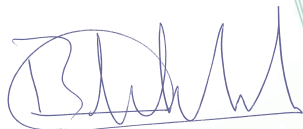
DEKRA hereby grants the right to use the ENEC certification mark.

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 17 February 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-153891

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Kate Xu
Certification Manager

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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)	: Driver 150W 24V Dali/PUSH and SIRIO 150 24V R DALI
Primary voltage	: 220-240 V, 196-250 V
Nature of supply	: alternate current, direct current
Rated frequency	: 50-60 Hz, 0 Hz
Primary current	: 0,74 A for alternate current, 0,9 A for direct current
Secondary power	: 150 W
Secondary voltage	: 24 V
Type of load	: LED modules
Classification	: Independent, class I for Driver 150W 24V Dali/PUSH, class II for SIRIO 150 24V R DALI

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

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

DEKRA test report No. 3510153.80 and 3510153.81 are laid down in DEKRA test file 351015300; they contain test results.

The list of components is laid down in test report 3510153.80.

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 electronic controlgears for LED modules with SELV output, with stabilized output voltage (CV).

Type/s	PRI voltage (V)	PRI Current (A)	Power Factor	Output Power (W)	SEC Parameter	U _{out} d.c. (V)	t _a (°C)	t _c (°C)	Use (°C) [1]
SIRIO 150 24V R DALI (K2J45)	220-240 176-275*	0,74 0,9*	0,95 (Po>30 W)	150	24 V	24	-25..45	70	II, DNC, 110
Driver 150W 24V Dali/PUSH									I, DNC, 110

Notes: The K2J45 code can replace the type reference; supply frequency=50-60 Hz; *0 Hz (see additional information for rated values). [1] – I=independent IP20 class I; II=independent IP20 class II; DNC= Do Not Cover; 110= overheating protection (C.5.a).

Connections		
Input supply	PRI, PE	screwless terminal 0,5...2,5 mm ² (0,75...2,5 mm ² for independent models)
DALI dimming	DA	screwless terminal 0,5...1,5 mm ² (0,75...1,5 mm ² for independent models)
Local dimming	ADIM +/-	screwless terminal 0,5...1,5 mm ²
Output load	SEC	screwless terminal 0,5...1,5 mm ²

Additional information	
Use	Independent controlgear for ordinary luminaire, up to 2000 m above sea level.
Features	For LED, multiple load; short-circuit proof type; impulse withstand category II; pollution degree 2; material group IIIa; overheating protection (C.5.a type) and suitable for direct mounting on normally flammable surfaces according to EN 60598-1; the material of enclosure was tested for Glow-wire at temperature of 750-960 °C with favourable result. DA port is for dimming, DALI or push dim. Total circuit power: 160 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 EN IEC 60598-2-22:2022 used in conjunction with EN IEC 60598-1:2021 has been performed.

The creepage distances, clearances and connections of control gears in the final application shall be according to IEC/EN 60598-1 or national deviations of the country where installed:

INSULATION (B= basic, S= supplementary, R= double or reinforced)	
PRI ↔ SEC, ADIM	R
PRI ↔ DA	R
DA ↔ SEC, ADIM	R
SEC ↔ ADIM	-
active parts ↔ touchable parts of enclosure of independent models	R

The connections of control gears in the final application shall be according to EN 60598-1 or national deviations of the country where installed.

Assessment to EN 62493:2015, EN 62493:2015/A1:2022 has been performed.

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