

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) : STM ** (* 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.

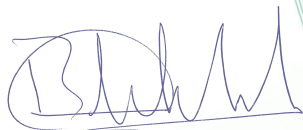
The ENEC certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the ENEC certification agreement.

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 5 October 2026 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-183503

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Matilde Tonsi
Certification Manager

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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)	: STM ** (* means any alphanumeric characters)
Primary voltage	: 100-240 V or 220-240 V for AC; 196-250 V for DC
Nature of supply	: Alternate/Direct current
Rated frequency	: 50/60 Hz or 50-60 Hz
Primary current	: From 0,07 to 0,1 A for AC; from 0,04 to 0,08 A for DC
Secondary current	: From 0,1 to 0,7 A
Secondary power	: From 0,3 to 12 W
Type of load	: LED modules
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. 3510153.320EU-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 3510153.320.

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 stabilized output current (C.C.); STMR DALI NFC models have the NFC for the setting of output current and they are dimmable by DALI or PUSH mode.

Type/s	Input voltage (V) [1]	Max. input current (A) [1]	Power Factor	Output Power (W)	Output Current (A)	U _{OUT} (V)	ta (°C)	tc (°C)	Use [3]
STM 6W 150mA HPFU (K2J80)	100-240	0,09	0,35 C-0,95	0,3-6	0,15	42	-20...55	75	BI, 100
STM 6W 150mA HPFU OF (K2J81)	"196-250	"0,04					-	80 [2]	OF
STM 6W 500mA HPFU S (K2J82)	100*-127*-220-240	0,1	0,8-0,9* C	6	0,5	13	-20...50*/55	75	BI, 100
STM 6W 500mA HPFU S OF (K2J84)	"196-250	"0,04					-	80 [2]	OF
STM 8W 700mA HPFU S (K2J85)	100*-127*-220-240	0,1	0,87 C	6* / 8	0,7	13	-20...45	80	BI, 100
STM 8W 700mA HPFU S OF (K2J83)	"196-250	"0,05					-	80 [2]	OF
STMR DALI NFC (K2J98)	220-240	0,07	0,6 C-0,99 (0,95@Pout ≥5W)	0,5-12	0,1-0,7	54	-20...45	90	IND, 100, DNC
STMR DALI NFC OF (K2J99)	"196-250	"0,08					-	85 [2]	OF

Notes: The Kxxxx code can replace the type reference. [1] – 50-60 Hz for STMR models, 50/60 Hz for other models; "0 Hz, see additional information for the d.c. range; [2] – tc for OF models is measured on the top of C15A for STMR DALI NFC models and C2A for other models; [3] – BI= built-in; IND= independent, class II, case IP20; OF= built-in without enclosure; 100= overheating protection (C.5.a type).

Connection		STM models	STMR DALI NFC
Supply	PRI	screw terminal block 0,5-2,5 mm ²	H03VVH2-F 2x0,75 mm ²
Dimming	DA1, DA2	-	H03VVH2-F 2x0,75 mm ²
Load	SEC	screw terminal block 0,5-2,5 mm ²	AWG20

Additional information

Use	Independent, built-in for ordinary luminaire, up to 2000 m above sea level.
Features	For LED; multiple value load control gear; short-circuit proof type; impulse withstand category II and III; pollution degree 2 (Normal Pollution); material group IIIa. Total circuit power: 7,5 W for STM 6W 150mA HPFU models, 8,4 W for STM 6W 500mA HPFU S models, 8-10,2 W for STM 8W 700mA HPFU S models, 15 W for STMR DALI NFC 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); 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, 22.15, 22.19 and Annex 2 have been assessed).

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)	Independent models	Built-in models	OF models
PRI ↔ SEC	R	R	R
DALI ↔ SEC for STMR models	R	-	R
PRI ↔ DALI for STMR models	B	-	B
active parts ↔ the external surfaces of enclosure	R	-	-
active parts ↔ the supporting surface on the bottom of enclosure	-	R	-
OF models have been tested inside the enclosure of equivalent independent/built-in models. Assessment to EN 62493:2015, EN 62493/A1:2022 has been performed. All models are suitable for direct mounting on normally flammable surfaces. STMR DALI NFC is suitable for Do Not Cover up to: $t_a = 45^\circ\text{C}$. Assessment to EN IEC 62442-3:2022 has been performed.			