

# CERTIFICATE

Issued to:  
Applicant:  
**TCI Telecomunicazioni Italia Srl**  
Via Parma 14  
21047 Saronno (VA), Italy

Licensee:  
**TCI Telecomunicazioni Italia Srl**  
Via Parma 14  
21047 Saronno (VA), Italy

Product : Electronic controlgear for LED modules  
Trade name(s) : TCI or TN101  
Type(s)/model(s) : MSE 10/350-500 and MSE 10/350-500 DALI

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 61347-1:2015, EN 62384:2006 and EN 62384:2006/A1:2009
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a 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 of the ENEC certification agreement and under the conditions of the ENEC certification agreement.

This certificate is issued on 5 July 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-104894

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



Kreny Lin  
Certification Manager

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**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: Electronic controlgear for LED modules
Trade name(s)	: TCI or TN101
Type(s)/model(s)	: MSE 10/350-500 and MSE 10/350-500 DALI
Type of load	: LED modules, power LED
Primary voltage	: 220-240 V
Nature of supply	: alternate current or direct current
Rated frequency	: 0/50-60 Hz
Primary current	: Max. 0,056 A
Power factor	: 0,98
Working voltage U-OUT	: 289 V
Rated maximum temperature (tc)	: 80 °C
Type of thermal protection	: 110
Classification	: Built in

**TESTS****Test requirements**

EN 61347-2-13:2014  
EN 61347-2-13:2014/A1:2017  
EN 61347-1:2015  
EN 62384:2006  
EN 62384:2006/A1:2009

**Test result**

The test results are laid down in DEKRA test file 350033600.

**Additional information**

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

DEKRA test report No. 2102690.50 and 2102690.60 are laid down in DEKRA test file 350033600; they contain test results and critical component list.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

TCI Telecomunicazioni Italia Srl  
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<b>General product information:</b> The devices are intended to supply high power Light Emitting Diodes or LED modules. The devices have a constant output current, depending on the presence/absence of the jumper JP1 as in the markings. The stabilized output (SEC) is dimmable by push switch or DALI protocol. The output power can be up to Pout max with proportionate values of lin. The DALI model is dimmable. All models have SELV output for built-in use.										
Types	Primary voltage (50/60 Hz) (V) [1]	Max. primary current (A)	Power Factor	Operative d.c. range (0 Hz) [2]	Max. Output Power (W) [3]	Output Parameter (mA) [3]	Uout (V)	t <sub>a</sub> (°C)	t <sub>c</sub> (°C)	Thermal Protection [4]
MSE 10/350-500 DALI (K2D08)	220-240	0,057	0,98	176-275 V 0,07 A	10	350/500	60	-25..50	80	110 °C
MSE 10/350-500 (K2D09)										
Notes: [1] – Rated value for AC range; [2] – 176-275 V is the operative d.c. range at which the product can work; they can be used for centralized emergency installations (EN 50171 and EN 50172) in the rated 196-250 V. [3] – Different values according to the presence/absence of the jumper JP1 (see marking). [4] – The products have an overheating protection (C.5.a) and comply with temperature limit of clause 4.16.2 of IEC 60598-1:03 (“F” triangle marking), IEC 60598-1:2014/AMD1:2017.										

Connections			
Input supply	PRI	screwless terminal block 0,5-1,5 mm <sup>2</sup>	
Input for dimming or control (if present)	DA1, DA2	screwless terminal block 0,5-1,5 mm <sup>2</sup>	
Output load	SEC	screwless terminal block 0,5-1,5 mm <sup>2</sup>	
Additional information			
All models have the following features: for LED; stabilized output current (CC); multiple value load; short-circuit proof type; impulse withstand category II; Pollution degree 2; Material group IIIa. The creepage distances, clearances and connections of control gears in the final application shall be according to IEC 60598-1 or national deviations of the country where installed in the final application:			
INSULATION: B= basic, S= supplementary, D= double or reinforced	PRI	DA1, DA2	SEC
PRI	-	B	D
DA1, DA2	B	-	S
SEC	D	S	-

INSULATION: B= basic, S= supplementary, D= double or reinforced	
Between active parts and external surface of enclosure	D