

CERTIFICATE



Issued to:
Applicant:
T C I Telecomunicazioni S.r.l.
Via Parma 14
21047 Saronno (VA) - ITALY

Manufacturer/Licensee:
T C I Telecomunicazioni S.r.l.
Via Parma 14
21047 Saronno (VA) - ITALY

Product(s) : Electronic step-down convertor for filament lamps
Trade name(s) : TCI or TN101
Type(s)/model(s) : MW (series)

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 61347-2-2:2012; EN 61347-1:2008+A1:2011+A2:2013
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2033016

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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

This certificate is issued on: December 22, 2014 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2102455.01

DEKRA Certification B.V.

drs. G.J. Zoetbrood
Managing Director

Massimiliano Triulzi
Certification Manager

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All testing, inspection, auditing and certification activities of the former KEMA Quality are an integral part of the DEKRA Certification Group.

ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION



General product information:									
The devices are electronic controlgears for halogen lamps.									
Type/s	PRI voltage 50-60 Hz (V)	PRI current (A)	SEC power (W)	SEC Voltage (V)	t _a (°C)	t _c (°C)	Protect. Type / value (°C)	Class (IP grade)	Classification
MW 70 or K1055, MW.X70 or K1063	230	0,30	10-70	11,5	40	90	C.5.a 100 [2]	II (IP20)	Independent SELV output
MW70/240 or K1059, MW.X70/240 or K1067	240	0,29							
MW 60 or K1056, MW.X60 or K1064	230	0,26	10-60	11,5	40	90	C.5.a 100 [2]	II (IP20)	Independent SELV output
MW60/240 or K1060, MW.X60/240 or K1068	240	0,25							
MW 50 or K1057, MW.X50 or K1065	230	0,22	10-50	11,5	40	90	C.5.a 100 [2]	II (IP20)	Independent SELV output
MW50/240 or K1061, MW.X50/240 or K1069	240	0,20							
MW 40 or K1058, MW.X40 or K1066	230	0,18	10-40	11,5	40	90	C.5.a 100 [2]	II (IP20)	Independent SELV output
MW40/240 or K1062, MW.X40/240 or K1070	240	0,16							
MW 70 LED or K1209	230/240	0,30	5-70	12	40	90	C.5.a 100 [2]	II (IP20)	Independent SELV output
MW 70 LED 119773 or K1215			[1]						

Notes: [1] – Power range for halogen lamps; the load can be 2,5-50 W LED lamps (see DEKRA 2102410.01); [2] – The products have an overheating protection and comply with temperature limit of clause 4.16.2 of EN 60598-1:04 (“F” triangle marking), EN 60598-1:2008, EN 60598-1 /A11:2009, VDE 0710 T14 (“MM” triangle marking).

MW 70 LED model can work also with LED lamps; MW 70 LED 119773 is derived from MW 70 LED model, without dimmable feature; all other models are dimmable by trailing edge dimmer (dimming features are detailed in the technical specification).

Common parameters for MBL/F (series)		
Connection to supply (PRI)	screw terminal block 0,5...1,5 mm ² (2,5 mm ² for MW 70 LED and MW 70 LED 119773)	
Connection to load (SEC)	screw terminal block 0,5...1,5 mm ² (2,5 mm ² for MW 70 LED and MW 70 LED 119773)	
Additional information		
All models with enclosure fulfil the requirements for: Impulse withstand category II; Pollution degree 2 (Normal Pollution); Material group IIIa.		
All models have the following features: output protection to open and short circuit.		
INSULATION	PRI	SEC
PRI	-	double
SEC	double	-
In the final application the connections of external wiring shall be according to IEC 60598-1 or national deviations of the country where installed. Creepage distances and clearances for open frame models shall comply with the requirements of IEC/EN 60598-1 when the device is installed in the final application:		

TESTS

Test requirements

EN 61347-2-2:2012; EN 61347-1:2008+A1:2011+A2:2013

Test result

The test results are laid down in DEKRA test files No.2102455.50

Remarks

This KEMA-KEUR certificate replaces the KEMA-KEUR with number 2033448.01 dated February 02, 2010 and 2102410.02, dated July 23, 2012.

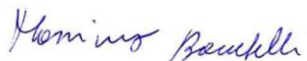
This certificate covers:

- Update to reference standard EN 61347-2-2:2012; EN 61347-1:2008+A1:2011+A2:2013.
- Alternative suppliers for plastic material of enclosure, pwb and terminal blocks.
- MW 70 LED 119773 is derived from MW 70 LED model, without dimmable feature.

Conclusions

The examination proved that all test requirements were met.

Tested by : Massimo Banchelli



Checked by : Franco Vasta



Factory-Location

TCI Telecomunicazioni Italia S.r.l.

Via Parma 14

I-21047 Saronno (VA)