

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 : Filter for lighting control gears
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) : ** FILTER ** (** 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 61347-2-11:2001, EN 61347-2-11:2001/A1:2019, EN 61347-1:2015 and EN 61347-1:2015/A1:2021
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2033015

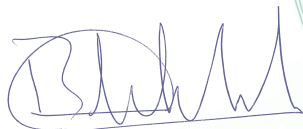
DEKRA hereby grants the right to use the ENEC certification mark.

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

Certificate number: 81-119005 REV.1

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



MT Tonsi
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Filter for lighting control gears
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)	: ** FILTER ** (** means any alphanumeric characters)
Primary voltage	: From 0 to 300 V
Nature of supply	: alternate current or direct current
Rated frequency	: 50-60 Hz or 0 Hz
Output Voltage	: From 0 to 300 V

TESTS**Test requirements**

EN 61347-2-11:2001
EN 61347-2-11:2001/A1:2019
EN 61347-1:2015
EN 61347-1:2015/A1:2021

Test result

The test results are documented in DEKRA test file 350964600.

Additional information

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

This certificate replaces certificate No. 81-119005 which we hereby declare invalid.

The list of components is laid down in test report 3509646.340.

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: Miscellaneous electronic devices for lighting controlgears or luminaire: EMI, harmonic or glowing filter.

Type/s	Primary voltage (A)	Rated frequency (Hz)	Max. current (A)	ta (°C)	tc (°C)	Overheating protection (°C) [4]	Use [5]
EL/EMI FILTER (K3001)	110-240	50-60	1,0	-40...60	95	110	II
EL/EMI FILTER OF (K3002)				-	100 [1]	-	OF
EMI FILTER (K3003)	100-240	50-60	0,9	-40...60	95	110	II
EMI FILTER OF (K3004)				-	100 [1]	-	OF
EL/EMI FILTER A (K3005)	110-240	50-60	0,8	-40...60	95	110	II
EL/EMI FILTER A OF (K3006)				-	100 [1]	-	OF
EL/EMI FILTER/GND (K3007)	110-240	50-60	1,0	-40...60	95	110	I
EL/EMI FILTER/GND OF (K3008)				-	100 [1]	-	OF
FM EMI FILTER (K3009)	0-240	0/50-60	1,05	-40...60	65	110	II
FM EMI FILTER OF (K3010)				-	80 [2]	-	OF
SRG FILTER (K3013)	100-240	50-60	2	-40...60	65	110	II
THD FILTER – A (K3041)	100-240	50-60	0,02	-40...60	65	110	II
X2 FILTER 47N (K3046)	0-300	0/50-60	2	-40...85	85	-	BI
X2 FILTER 47N OF (K3050)				-	85 [3]	-	OF
X2 FILTER 47N 119933BE	0-60	0-60	2	-40...85	85	-	BI
Y1 FILTER 4N7 (K3047)	0-300	0/50-60	2	-40...85	85	-	BI
Y1 FILTER 4N7 OF (K3051)				-	85 [3]	-	OF
Y2 FILTER 47N (K3048)	0-300	0/50-60	2	-40...85	85	-	II
Y2 FILTER 47N OF (K3052)				-	85 [3]	-	OF
Y2 FILTER 82N (K3049)	0-300	0/50-60	2	-40...85	85	-	II
Y2 FILTER 82N OF (K3053)				-	85 [3]	-	OF

Note: [1] – tc is measured on the top of L1. [2] – tc is measured on the top of F1. [3] – tc is measured on the top of capacitor. [4] – Thermal protection: non-renewable, non-resetting type. [5] – I=independent, class I, IP20; II=independent, class II, IP20; BI=built-in; OF=built-in without enclosure.

Connections

Input	INPUT, IN	screw terminal block 0,75...1,5 mm ² (for independent models) screw terminal block 0,5...1,5 mm ² (for OF models)
Output	OUT	screw terminal block 0,75...1,5 mm ² (for independent models) screw terminal block 0,5...1,5 mm ² (for OF models)
Terminals	A, B	screwless terminal block 0,5...1,5 mm ² (for X2 FILTER models, Y1 FILTER models, Y2 FILTER models)