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)	:	BRUGMAN, 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)	:	MD ** SLIM (*means any alphanumeric characters) and MSE ** SLIM (*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 61347-1:2015, EN 61347-1:2015/A1:2021, EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017 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 3 February 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-146919 REV.1

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

Susan Lehner
Certification Manager

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DUTCH ACCREDITATION
COUNCIL

PRODUCTS
RvA C 001

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	Electronic controlgear for LED modules
Trade name(s)	:	BRUGMAN, 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)	:	MD ** SLIM (*means any alphanumeric characters) and MSE ** SLIM (*means any alphanumeric characters)
Primary voltage	:	220-240 V
Nature of supply	:	alternate current
Rated frequency	:	50-60 Hz
Primary current	:	From 0,12 to 0,39 A
Type of load	:	LED modules, power LED
Secondary current	:	From 0,2-1,6 A
Secondary power	:	From 10,8 to 76,8 W
Classification	:	Built in

TESTS

Test requirements

EN 61347-1:2015
EN 61347-1:2015/A1:2021
EN 61347-2-13:2014
EN 61347-2-13:2014/A1:2017
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. 3510153.50 and 3510153.51 are laid down in DEKRA test file 351015300; they contain test results.

This certificate replaces certificate No. 81-146919 which we hereby declare invalid.

The list of components is laid down in test report 3510153.50.

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 controlgears for LED modules. The devices have a stabilized output current (CC).								
Type/s	Primary Current (A) [1]	Power Factor	Output power (W)	Output Current (A)	Uout (V)	t_a (°C)	t_c (°C)	Use [2]
MD 30/500-850 SLIM or K2J29	0,16	0,95	20-30	0,5-0,85 (step 0,05)	59	-25…55	75	BI, 110a, TED
MD 40/700-1050 SLIM or K2J30	0,21	0,95	26,6-40	0,7-1,05 (step 0,05)	59	-25…50	75	BI, 110a, TED
MSE 18/350 SLIM	0,12	0,9 C (P>13,5 W)	10,8-18,9	0,2-0,35 (step 0,05)	60	-20…50	70	BI, 110e
MSE 42/800 SLIM	0,23	0,95 (P>21 W)	27-43,2	0,5-0,8 (step 0,1)	60	-20…50	85	BI, 110e
MSE 60/1200 SLIM	0,32	0,95	48,6-61,2	0,9-1,2 (step 0,1)	60	-20…50	90	BI, 110e
MSE 75/1600 SLIM	0,39	0,95 (P>30 W)	70,2-76,8	1,3-1,6 (step 0,1)	60	-20…50	85	BI, 110e
Notes: The Kxxxx code can replace the type reference. [1] – Value at 220-240 V 50-60 Hz and max. rated power. [2] – BI= built-in; 110a= The products have an overheating protection (C.5.a type); 110e= The products have an overheating protection (C.5.e type); TED= suitable for trailing edge dimmer.								

Connections	
Connection to supply (PRI)	screwless terminals 0,5…1,5 mm², 0,2…1,5 mm² for cod. T
Connection to load (SEC)	screwless terminals 0,5…1,5 mm², 0,2…1,5 mm² for cod. T

Additional information	
Use	Built-in models for ordinary luminaire, up to 2000 m above sea level.
Features	For LED; stabilized output current (CC); multiple value load; short-circuit proof type. Total circuit power: 22 W for MSE 18/350 SLIM, 33,9 W for MD 30/500-850 SLIM, 45 W for MD 40/700-1050 SLIM, 49,3 W for MSE 42/800 SLIM, 70,1 W for MSE 60/1200 SLIM, 86 W for MSE 75/1600 SLIM.
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)	
Supply ↔ earth; active parts ↔ accessible parts of enclosure	B
PRI ↔ SEC	R
Assessment to EN 62493:2015 and EN 62493:2015/A1:2022 has been performed. Assessment to EN IEC 62442-3:2022 has been performed.	