

# 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 : Protector for controlgear  
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) : SPD GM CLI and SPD GM CLII

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 61347-2-11:2001 and EN 61347-1:2015
- 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 30 July 2020 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-115010

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



H.R.M. Barends  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



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

Product	: Protector for controlgear
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)	: SPD GM CLI and SPD GM CLII
Primary voltage	: 100-277 V
Nature of supply	: alternate current
Rated frequency	: 50-60 Hz
Type of load	: Controlgears
Ambient temperature	: From -30 to 60 °C
Classification	: Built in
Max. Surge Protection	: 12 kV, 10 kA

**TESTS****Test requirements**

EN 61347-2-11:2001

EN 61347-1:2015

**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. 2102987.50 is laid down in DEKRA test file 350033600; it contains test results and critical component list.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

TCI Telecomunicazioni Italia SrL  
Via Parma 14  
21047 Saronno (VA), Italy

**General product information:** Protector for controlgears against surge on the mains and signalling of switch-off protection (green LED off). The Kxxxx code can be used as reference type as in the following table:

Type/s	Primary voltage [V]	Rated frequency [Hz]	Max. Uc [V]	Max. surge protection	ta [°C]	tc [°C] [1]	Classification, notes
SPD GM CLI (K3042)	100-277	50-60	320	12 kV, 10 kA	-30...60	80	BI, 100, F1
SPD GM CLII (K3043)	100-277	50-60	320	12 kV, 10 kA	-30...60	80	BI, earth, 100, F1

Notes: BI=Built-in; Earth=with connector to earth for common mode protection; F1=external fuse 16A T; 100=max. temperature of enclosure for internal thermal protection.

**Additional information**

All models have the following features: impulse withstand category III, pollution degree 2 (Normal Pollution); material group IIIa; the material of enclosure was tested with favourable result for Glow-wire at temperature 960 °C; IN/OUT screw terminals (0,75-2,5mm<sup>2</sup>); max. load 3 A. In the final application the connections to the controlgears shall be according to IEC 60598-1 or national deviations of the country where installed.