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)	:	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)	:	MINI TRACK** (* means any alphanumeric characters), SUPERFLAT** (* means any alphanumeric characters), SUPERSLIM** (* means any alphanumeric characters), SUPERTRACK** (* means any alphanumeric characters) and TWINFLAT** (* 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 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 61347-1:2015, EN 61347-1:2015/A1:2021 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 13 May 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-156419

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

Kate Xu
Certification Manager

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DUTCH ACCREDITATION
COUNCIL

PRODUCTS
RvAC 001

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

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Type(s)/model(s)	:	MINI TRACK** (* means any alphanumeric characters), SUPERFLAT** (* means any alphanumeric characters), SUPERSLIM** (* means any alphanumeric characters), SUPERTRACK** (* means any alphanumeric characters) and TWINFLAT** (* means any alphanumeric characters)
Primary voltage	:	120-240 V for a.c., 196-250 V for d.c.
Rated frequency	:	50-60 Hz or 50/60 Hz, 0 Hz
Primary current	:	From 0,1 A to 0,35 A for a.c., from 0,14 A to 0,16 A for d.c.
Secondary power	:	From 0,75 to 40 W
Secondary current	:	From 0,125 A to 1,05 A
Secondary voltage	:	24 V for SUPERSLIM 24V models
Type of load	:	LED modules, power LED
Classification	:	Built-in

TESTS

Test requirements

EN 61347-2-13:2014
EN 61347-2-13:2014/A1:2017
EN 61347-1:2015
EN 61347-1:2015/A1:2021
EN IEC 62384:2020

Test result

The test results are documented in DEKRA test file 351015300.

Additional information

For model differences, refer to General product information in the following pages.

DEKRA test report No. 3510153.140 and 3510153.141 are laid down in DEKRA test file 351015300; they contain test results.

The list of components is laid down in test report 3510153.140.

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:

All models are electronic controlgears for high power Light Emitting Diodes or LED modules. The input is 220-240 V (120-240 V for SUPERFLAT 120V PWG OF) 50-60 Hz or 50/60 Hz for a.c. supply; d.c. supply is specified in the following table. The output is SELV, stabilized current (CC) according to the DIP switch selection or 24 V (CV). SUPERSLIM 1-10V (local dimming), SUPERFLAT CASAMBI, SUPERFLAT BLL and DALI models are dimmable; after the code /yyy may be present where yyy=current value for factory setting.

Type/s	a.c. d.c. PRI Current (A)	Power Factor	P_{rated} (W)	Constant SEC parameter	Uout (V)	ta (°C)	tc (°C) [2]	Use [3]
SUPERSLIM (K2565)	0,15 0,16 [1]	0,9 C (0,95 Po>8W)	5-25	350-500 mA (step 50 mA)	59	-25...50	90	BI, IP54, MM, 100
SUPERSLIM MM (K2E25)								BI, MM, 100
SUPERSLIM OF 127330OF (K2566), SUPERSLIM OF 127334L, SUPERSLIM MM OF (K2E26)						-	80	OF
SUPERSLIM OFM (K2567)						-25...50	85	BI, 100
SUPERSLIM 24V (K2E35)	0,12 0,14 [1]	0,95 (P>8 W)	8-20	24 V	27	-25...45	80	BI, IP54, MM, 100
SUPERSLIM 24V OF (K2E36)						-	80	OF
SUPERSLIM 32 DALI AM (K2J15), SUPERSLIM 32 DALI AM-PWM (K2J50)	0,17	0,85 C-0,98 (0,95 P>12 W)	6,3-31,8	450-600 mA (step 50 mA)	59	-	85	OF
SUPERSLIM HC (K2E37)	0,15 0,16 [1]	0,95 (P>8 W)	8-24	540/640/ 730/830 mA	59	-20...45	90	BI, IP54, MM, 100
SUPERSLIM HC OF (K2E38)						-	80	OF
SUPERSLIM 1-10V 230V 127464 (K2E27), SUPERSLIM 1-10V 230V 151465 (K2F84), SUPERSLIM DALI (K2E29), SUPERSLIM DALI AM (K2F86)	0,15 0,16 [1]	0,95 (P>8 W)	8-25	350-500 mA (step 50 mA)	59	-25...50	90	BI, IP54, MM, 100
SUPERSLIM 1-10V 230V OF 127464OF (K2E28), SUPERSLIM 1-10V 230V OF 151465OF (K2F85), SUPERSLIM DALI OF (K2E30), SUPERSLIM DALI AM OF (K2F87)						-	80	OF
SUPERSLIM RR 1450 (K2F88), SUPERSLIM RR 750 (K2F89), SUPERSLIM RR 1450 DALI (K2F90), SUPERSLIM RR 750 DALI (K2F91)	0,15				59	-20...50	85	BI, MM, 100
SUPERSLIM RR 1450 500MA (K2F92), SUPERSLIM RR 750 500MA (K2F93), SUPERSLIM RR 1450 DALI 500MA (K2E31), SUPERSLIM RR 750 DALI 500MA (K2E32)	0,15	0,95 (P>8 W)	8-25	500 mA	59	-20...50	85	BI, MM, 100
SUPERSLIM RR 1450 350MA (K2F94), SUPERSLIM RR 750 350MA (K2F95), SUPERSLIM RR 1450 DALI 350MA (K2E33), SUPERSLIM RR 750 DALI 350MA (K2E34)	0,11	0,95 (P>8 W)	8-17,5	350 mA	59	-20...50	80	BI, MM, 100
SUPERFLAT SLIM (K2767)	0,15 0,16	0,95 (P>8 W)	8-25	350-500 mA (step 50 mA)	59	-20...45	90	BI, MM, 110
SUPERFLAT SLIM OF or (K2768)						-	80	OF
SUPERFLAT SLIM DALI (K2741)						-25...45	90	BI, MM, 110
SUPERFLAT SLIM DALI OF or (K2742)						-	80	OF

Notes: see following page.

Type/s	a.c. PRI Current (A)	Power Factor	P_{rated} (W)	Constant SEC parameter	Uout (V)	tc (°C) [2]	Use [3]
TWINFLAT OF (K2881)	0,15	0,96 (P>10 W)	10-24	500-650 mA (step 50 mA)	59	70	OF
TWINFLAT I OF (K2A92)	0,17	0,96 (P>14 W)	14-31	550-700 mA (step 50 mA)	59	70	OF
TWINFLAT LC OF (K2882)	0,10	0,96 (P>11 W)	11-16,5	300/350/400/440 mA	59	70	OF
TWINFLAT LC I OF (K2A93)	0,13	0,96 (P>10 W)	10-22	350-500 mA (step 50 mA)	59	70	OF
TWINFLAT MIT OF (K2E39)	0,17	0,9 C-0,95 (P>8,4 W)	8,4-31	200-700 mA (step 50 mA)	59	70	OF
TWINFLAT PRO OF (K2F66)	0,17	0,9 C-0,95 (P>8,6 W)	8,6--31	200-700 mA (step 50 mA)	59	70	OF
TWINFLAT PRO X OF (K2G10)	0,17	0,9 C-0,95 (P>8,6 W)	8,6-30	200-700 mA (step 50 mA)	59	70	OF
TWINFLAT 30W PRO OF (K2G90)	0,16	0,95 (P>12,2 W)	12,2-30	200-750 mA (step 50 mA)	59	80	OF
TWINFLAT 30W HE OF (K2I95)	0,16	0,95 (P>13 W)	13-30	300-850 mA (step 50 mA)	59	80	OF
TWINFLAT 40W PRO OF (K2H01)	0,22	0,95 (P>19 W)	19-40	300-1050 mA (step 50 mA)	59	80	OF
TWINFLAT PRO X DALI OF (K2G11)	0,13	0,9 C-0,95 (P>5,2 W)	5,2-21	125-500 mA (step 50 mA)	59	70	OF
TWINFLAT PRO X DALI 725 OF (K2J16)	0,15	0,95 (Po>8 W)	8-28	350-725 mA (step 25 mA)	47	88	OF
TWINFLAT 20W OF (K2G07)	0,13	0,9 C-0,95 (P>10 W)	10-20	250/350/400/500 mA	59	75	OF
TWINFLAT 30W OF (K2G08)	0,2	0,9 C-0,95 (P>11 W)	11-30	550/600/700/750 mA	59	80	OF
TWINFLAT 40W OF (K2G09)	0,22	0,9 C-0,95 (P>17 W)	17-40	850/900/ 1000/1050 mA	59	80	OF
SUPERFLAT OF (K2673)	0,18	0,95 (P>25 W)	25-32	700-850 mA (step 50 mA)	49	80	OF
SUPERFLAT I OF (K2A94)	0,21	0,97 (P>13 W)	13-36	525-900 mA (step 25 mA)	59	75	OF
SUPERFLAT PRO OF (K2D15)	0,18	0,95 (P>12 W)	12-32	100-850 mA (step 50 mA)	59	80	OF
SUPERFLAT 675-1050 OF (K2D16), SUPERFLAT PRO HC OF (K2D17)	0,22	0,9 C-0,95 (P>12,8 W)	12,8-40	675-1050 mA	59	80	OF
SUPERFLAT HC BLL OF (K2G12), SUPERFLAT HC BLL PIR OF (K2G13)	0,22	0,97 (P>13,7 W)	13,7-40	675-1050 mA	59	80	OF
SUPERFLAT 300-1050 OF (K2F68)	0,22	0,9 C-0,95 (P>12,6 W)	12,6-40	300-1050 mA (step 50 mA)	59	80	OF
SUPERFLAT BLL OF (K2A91), SUPERFLAT BLL AM OF (K2B29), SUPERFLAT BLL PIR OF (K2D13)	0,17	0,9 C-0,95 (P>11,2 W)	11,2-31	325-700 mA (step 25 mA)	59	75	OF
SUPERFLAT CASAMBI OF (K2D14)							
SUPERTRACK DALI OF (K2A90), SUPERTRACK DALI2 OF (K2E47), SUPERTRACK DALI AM OF (K2B28)							

SUPERFLAT 1050 NFC CASAMBI OF (K2F67)	0,22	0,9 C-0,95 (P>11,2 W)	11,2-40	300-1050 mA	59	80	OF
SUPERFLAT 120V PWG OF (K2G14)	0,18/0,35	0,78 C-0,97 (P>10 W)	10-36	250-900 mA	59	70	OF
SUPERTRACK 1050 DALI OF (K2E40)	0,22	0,9 C-0,95 (P>13,7 W)	13,7-40	675-1050 mA (step 25 mA)	59	80	OF
SUPERTRACK 300-1050 DALI OF (K2F69)	0,22	0,9 C-0,95 (P>12,6 W)	12,6-40	300-1050 mA (step 50 mA)	59	80	OF
SUPERTRACK 300-1050 DALI VLC OF (K2I96)	0,22	0,9 C-0,95 (P>12,6 W)	12,6-40	300-1050 mA (step 50 mA)	59	85	OF
MINI TRACK 40 300-1050 EASY DALI OF (K2J17)	0,22	0,6 C-0,99 (0,95 P>14 W)	1,5-40	300-1050 mA (step 50 mA)	59	80	OF
MINI TRACK 40 150-1050 DALI NFC OF (K2J51)	0,22	0,4 C-0,99 (0,95 P>14 W)	0,75-40	150-1050 mA (step 50 mA)	59	80	OF

Notes: The Kxxxx code can replace the type reference. [1] d.c. supply in the operative 176-275 V range. [2] – the t_c point for OF models is measured on the metal cap of C_{15} or C_{CE2} capacitor. [3] –BI=built-in; IP54=case IP54; OF= built-in without enclosure; MM= suitable for direct mounting on normally flammable surfaces (IEC/EN 60598-1); 100, 110= overheating protection (C.5.a type).

Connections		Connection device (0,2-0,75 mm^2 or *0,5-1,5 mm^2)	tails	terminals (0,2-0,5 mm^2 or "0,5-1,5 mm^2)
Supply connection	PRI, J1, N, L or F, JP1A, JP1B, PAD1, PAD2	*SUPERSLIM MM, *SUPERFLAT SLIM DALI models, SUPERFLAT SLIM models, SUPERFLAT OF models, SUPERTRACK models, TWINFLAT PRO X OF	Other SUPERSLIM models, TWINFLAT models, SUPERFLAT 300-1050 DALI OF TWINFLAT PRO X DALI OF, TWINFLAT 30W PRO OF, TWINFLAT 40W PRO OF, FLAT PCB models, TWINFLAT PRO X DALI 725 OF, MINI TRACK 40 300-1050 EASY DALI OF, MINI TRACK 40 150-1050 DALI NFC OF	-
Control (if present)	JP1, J2, J3A, DA	*SUPERFLAT SLIM DALI models	Other SUPERSLIM models, TWINFLAT PRO X DALI OF, TWINFLAT PRO X DALI 725 OF, MINI TRACK 40 300-1050 EASY DALI OF, MINI TRACK 40 150-1050 DALI NFC OF	"SUPERTRACK DALI models
Load connection	SEC, J2, JP2, J3, J40, JP50, + -	*SUPERSLIM MM, SUPERFLAT SLIM DALI models, TWINFLAT models, TWINFLAT PRO X models	Other SUPERSLIM models	SUPERFLAT SLIM models, SUPERFLAT OF models, SUPERTRACK models, TWINFLAT 30W PRO OF, TWINFLAT 40W PRO OF, FLAT PCB models, TWINFLAT PRO X DALI 725 OF, MINI TRACK 40 300-1050 EASY DALI OF, MINI TRACK 40 150-1050 DALI NFC OF

Additional information	
Use	Built-in controlgear for ordinary luminaire, up to 2000 m above sea level.

Features	For LED; stabilized output current or voltage; multiple value load; short-circuit proof type; impulse withstand category II; Pollution degree 2; Material group IIIa. The material of enclosure for SUPERSLIM and SUPERFLAT SLIM models was tested with favourable result for Glow-wire at temperature 750-960 °C. The case of SUPERSLIM is IP54 (cable diameter ≥1,6 mm). Total circuit power: 11,6 W for FLAT PCB 10W - 90/140/190/240MA, 16,6 W for FLAT PCB 15W - 250/275/325/350MA; 19 W for TWINFLAT LC OF; 21 W for SUPERSLIM RR 1450 DALI 350MA, SUPERSLIM RR 750 DALI 350MA; 22,8 W for TWINFLAT 20 OF; 23 W for FLAT PCB 21W - 350/400/450/500MA; 24 W for SUPERSLIM 24V models, SUPERFLAT PRO X DALI OF; 25 W for TWINFLAT LC I OF; 28 W for SUPERSLIM HC models, TWINFLAT OF; 29 W for SUPERSLIM models, SUPERSLIM 1-10V models, SUPERSLIM RR models, SUPERFLAT SLIM models, SUPERSLIM DALI models, SUPERFLAT SLIM DALI models, SUPERSLIM RR 1450 DALI 500MA, SUPERSLIM RR 750 DALI 500MA; 32 W for TWINFLAT PRO X DALI 725 OF; 33,8 W for TWINFLAT 30 OF; 34 W for TWINFLAT 30W PRO OF, SUPERFLAT PRO X OF, TWINFLAT 30W HE OF; 35 W for TWINFLAT I OF, TWINFLAT MIT OF, TWINFLAT PRO OF, SUPERFLAT BLL models, SUPERFLAT CASAMBI OF, SUPERTRACK DALI models, SUPERTRACK DALI2 OF, FLAT PCB 30W - 550/600/700/750MA; 36 W for SUPERFLAT PRO OF, SUPERSLIM 32 DALI AM, SUPERSLIM 32 DALI AM-PWM; 37 W for SUPERFLAT OF; 40 W for SUPERFLAT 120V PWG OF; 41 W for SUPERFLAT I OF; 43 W for MINI TRACK 40 300-1050 EASY DALI OF, MINI TRACK 40 150-1050 DALI NFC OF; 45 W for TWINFLAT 40W PRO OF, TWINFLAT 40 OF, SUPERFLAT HC BLL OF models, SUPERTRACK 1050 DALI OF, SUPERFLAT 1050 NFC CASAMBI OF, SUPERFLAT 300-1050 OF, SUPERTRACK 300-1050 DALI OF; 46 W for SUPERFLAT 675-1050 OF, SUPERFLAT PRO HC OF, SUPERTRACK 300-1050 DALI VLC OF; 47 W SFLAT PCB 40 300/1050 OF; 49 W for FLAT PCB 40W - 800/900/950/1050MA.
d.c. operation	Models suitable for d.c. operation (EL symbol) have been tested in the rated supply range 196-250 V for the specific use in centralized emergency installations (extended range 176-275 V); assessment to Clauses 22.7.2, 22.7.3, 22.11, 22.13, 22.14, 22.19 and Annex 2 of EN IEC 60598-2-22:2022 used in conjunction with EN IEC 60598-1:2021 has been performed for built-in models with enclosure.

OF models and FLAT PCB models have been tested inside the enclosure of SUPERSLIM, SUPERFLAT and MILANOinTRACK. SUPERSLIM 24V, SUPERFLAT SLIM, SUPERFLAT SLIM DALI are suitable for direct mounting on normally flammable surfaces (EN 60598-1) at declared tc, other SUPERSLIM built-in models only at tc≤85 °C. The creepage distances, clearances and connections of control gears in the final application shall be according to EN 60598-1 or national deviations of the country where installed:

INSULATION B= basic, S= supplementary, R= double or reinforced	BI models	OF and FLAT PCB models
PRI, P ↔ SEC, 1-10	R	R
PRI ↔ DA for SUPERSLIM 32 DALI AM, SUPERSLIM 32 DALI AM-PWM, TWINFLAT PRO X DALI 725 OF, MINI TRACK 40 300-1050 EASY DALI OF, MINI TRACK 40 150-1050 DALI NFC OF	-	R
PRI, P ↔ DA for other DALI models	B	B
DALI ↔ SEC for SUPERSLIM 32 DALI AM, SUPERSLIM 32 DALI AM-PWM, TWINFLAT PRO X DALI 725 OF, MINI TRACK 40 300-1050 EASY DALI OF, MINI TRACK 40 150-1050 DALI NFC OF	-	R
DA ↔ SEC for other DALI models	S	S
SUPERSLIM OFM: active parts ↔ touchable parts	B	-
Other SUPERSLIM models: active parts ↔ touchable parts	R	-
SUPERFLAT SLIM, SUPERFLAT SLIM DALI: active parts ↔ bottom side of enclosure	R	-

Assessment to EN 62493:2015, EN 62493:2022 has been performed.
Assessment to EN IEC 62442-3:2022 has been performed.