

Aufbauübersicht für Elektrogeräte und Maschinen

Data form for electrical equipment and machinery



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Auftraggeber/Applicant: SHENZHEN 3NLED LIGHTING CO.,LTD
Building3, Tiankou Industrial Park, Huangtian, Xixiang Town, Bao'an District, Shenzhen, China

Fertigungsstätte/Production facility: Same as above

Geräteart/Type of equipment: T8 LED TUBE

Typenbezeichnung/Type/model: SNT8B-06E, SNT8B-09E, SNT8B-12E, SNT8B-15E, SNT8B-06S, SNT8B-09S, SNT8B-12S, SNT8B-15S, SNT8B-06D, SNT8B-09D, SNT8B-12D, SNT8B-15D.

Seriennr./Serial no.: N/A

Nennspannung/Frequenz / Rated voltage/frequency: 100-240V~, 50/60Hz; G13 lamp cap

Nennaufnahme/Nennstrom / Rated input power/current: See model list

Anschlußdaten-Pneumatik / Connection to pneumatic power: N/A

Anschlußdaten-Wasser / Connection to water installation: N/A

Lärmemission / noise emission (dB A): N/A

Ausführung / Construction:

Ortsfest	Stationary	<input type="checkbox"/>
Ortsveränderlich	Portable	<input type="checkbox"/>
Handgerät	Hand-held	<input type="checkbox"/>
Einbaugerät	Open-frame	<input type="checkbox"/>

Schutzklasse/Protection class:

Schutzklasse I:	Schutzleiteranschluß	PE-connection	<input type="checkbox"/>
Schutzklasse II:	Schutzisoliert	Double insulation	<input checked="" type="checkbox"/>
Schutzklasse III:	Schutzkleinspannung/ interne Stromversorgung	SELV/internally powered	<input type="checkbox"/>

Schutzart / Degree of protection against liquids: IP40

Anschlußart / Supply connection:

Feste Anschlußleitung	Non detachable cord	<input type="checkbox"/>
Fester Anschluß	Permanent connection	<input type="checkbox"/>
Gerätesteckvorrichtung	Appliance inlet	<input type="checkbox"/>
G13 lamp cap		<input checked="" type="checkbox"/>

Netzbetriebsart / Rated operation:

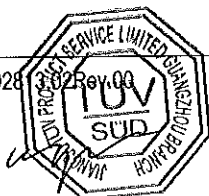
Dauerbetrieb	Continuous operation	<input checked="" type="checkbox"/>
Aussetzbetrieb	Intermittent operation	<input type="checkbox"/>
Kurzzeitbetrieb	Short time operation	<input type="checkbox"/>

Material: a) Gehäuse/Enclosure plastic and metal
b) Leiterplatten/p.c.b. N/A.

Zusätzliche Angaben für Laser, Klassifizierung nach EN 60825
Additional information for Laser equipment, classification according to EN 60825

Klasse/Class: N/A
Wellenlänge/Wavelength: N/A
Pulsdauer/Pulse duration: N/A

Prüfbericht Nr. / Test Report No.: 64.140.11.028



Projektleiter / Project engineer: Kenny Chen

Ort/place: Shenzhen

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Sicherheitsrelevante Bauteile: (Schalter, Temperaturregler, Heizkörper, Stecker, Fassungen, Leitungen, Kondensatoren, Motoren und sonstige Wicklungen z.B. Transformatoren, Magnetspulen)
(Not-Aus Geräte, 2-Handsteuerungen, Verriegelungsschalter, Sicherheits-Lichtschranken, Sicherheitsventile, Programmierbare Steuerungen-SPS, hydraulische Steuerungen, pneumatische Steuerungen)
Safety relevant components: (switch, temperature regulator, heating element, plug, socket, wiring, capacitor, motors and other components with windings e.g. transformers, coils)
(emergency off devices, 2-hand-control-devices, interlock switches, safety light barriers, safety valves, programmable electronic controllers -PLC, hydraulic controllers, pneumatic controllers)

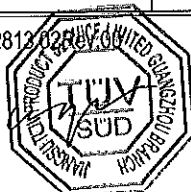
Bauteil/ Kind of component	Hersteller / Manufacturer	Angaben über Typ, Stromstärke, Leistung, Transformatorspezifikationsnummer, Isolationsklasse/ Information about type, current, power, transformer specification number, insulating class	Standard	Prüfzeichen von Test mark from (VDE, BSI, UL etc.)
1. Primary lead wire	SHENZHEN CITY DE XING LONG ELECTRIC CO LTD	Type: 1672; 300VAC, 105°C, 20AWG, VW-1, double insulation	EN60598-1	UL E328945 Tested with appliance
2. Secondary lead wire	NIZING ELECTRIC CO LTD	Type: 3239; 60kVDC, 200°C, 22AWG, VW-1	EN60598-1	UL E215834 Tested with appliance
3. Heat shrinkable tubing (wrapped on power supply and F1)	SHENZHEN WOER HEAT- SHRINKABLE MATERIAL CO LTD	Type: RSFR(CB); 300V, 125°C	EN60598-1	UL E203950 Tested with appliance
4. PCB of driver and LED module	SHANDONG JINBAO ELECTRONICS CO LTD	Type: ZD-98F; V-0, 130°C	EN60598-1 EN61347-1 EN61347-2-13	UL E141940 Tested with appliance
5. LED driver	Shenzhen BOKE LED Drivers Co., Ltd.	Type: BK-TF-41V0A480-A46; Input: AC100-240V, output: DC27-41V 480mA	EN61347-1 EN61347-2-13	Tested with appliance
6. Fuse	Shenzhen Lanson Electronics Co. Ltd.	Type: 3K T2A250V; T2AL 250VAC	EN60127-1 EN60127-3	VDE 40010682
	Walter Electronic Co., Ltd.	Type: ICP-series; T2AL 250VAC		VDE 40012824
	Conquer Electronics Co., Ltd.	Type: PTU; T2AL 250VAC		VDE 40001462
7. Varistor	Shantou High-New Technology Dev. Zone Songtian Enterprise Co., Ltd.	Type: STE-07D471K; Class current: 10A; Max. peak current: 1200A, 50-420VAC, 65-560 VDC	EN61051	VDE 40023049
	HONGZHI ENTERPRISES LTD	Type: HEL07D471K; 470V	EN60598-1 EN61347-1 EN61347-2-13	UL E324904 Tested with appliance
8. Line filter (L1, L2)	Shenzhen Boke Led Drivers Co., Ltd.	Type: BKL-EE15-001; N1: Φ 0,2 mm / 100T, N2: Φ 0,2 mm / 100T	EN60598-1 EN61347-1 EN61347-2-13	Tested with appliance
9. Winding of L1, L2	Hoi Iuen Electrical Mfr. Co., Ltd.	Type: 2UEW; Polyurethane, 130°C	EN60598-1 EN61347-1 EN61347-2-13	UL E164409 Tested with appliance
10. Bobbin of L1, L2	MOMENTIVE SPECIALTY CHEMICALS GMBH	Type: PF 2400(b); V-0, 150°C, BK	EN60598-1 EN61347-1 EN61347-2-13	UL E61040 Tested with appliance
11. X2 capacitor (CX1, CX2)	Shenzhen Su Rong Electronic Co., Ltd.	Type: MPX/MKP; 280 Vac, 0.1 uF, 40/100/21/C, X2	EN60384-14	VDE 40008924
	Shantou High-New Technology Dev. Zone Songtian Enterprise Co., Ltd.	Type: MPX; 275 VAC, 0.1 uF, 40/110/56/B, X2		TÜV RH R50136379
12. Y-cap. (CY1)	Shantou High-New Technology	Type: CD-Series; 400 VAC, 2200pF,	EN60384-14	VDE 40025754

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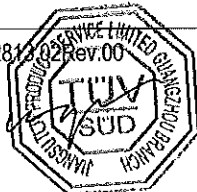
Bauteil / Kind of component	Hersteller / Manufacturer	Angaben über Typ, Stromstärke, Leistung, Transformatorspezifikationsnummer, Isolationsklasse / Information about type, current, power, transformer specification number, insulating class	Standard	Prüfzeichen von Test mark from (VDE, BSI, UL etc.)
	Dev. Zone Songtian Enterprise Co., Ltd.	25/125/21/C,Y1		
	Guangdong South Hongming Electronic Science and Technology Co., Ltd.	Type: F; 250 VAC, 2200pF, 25/125/21/C, Y1		VDE 118357
13. Optocoupler (U2)	Everlight Electronics Co., Ltd.	Type: EL817; Int. Cr: 6.0mm / Ext. Cr: 7.7 mm / Dti: 0.5 mm, 100°C	EN60747-5-2	VDE 132249
	Sharp Corporation	Type: PC817; Int. Cr: 6.5mm / Ext. Cr: 8 mm / Dti: 0.45 mm, Max110°C		VDE 40008087
	Lite-on Technology Corporation	Type: LTV-817; Int. Cr: >4mm / Ext. Cr: 8 mm / Dti: ≥0.4 mm, Max110°C		VDE 40015248
	COSMO Electronics Corporation	Type: K1010; Int. Cr: 5.3mm / Ext. Cr: 8 mm / Dti: 0.5 mm, Max115°C		VDE 101347
14. Transformer (T1)	Shenzhen Boke Led Drivers Co., Ltd.	Type: BKT-ER4108-001; N1: Φ0,2 mm / 8T, N2: Φ0,25 mm / 16T, N3: Φ0,25mm / 16T, N4: Φ0,25mm / 16T.	EN60598-1 EN61347-1 EN61347-2-13	Tested with appliance
15. Primary winding of T1	Hoi Iuen Electrical Mfr. Co., Ltd.	Type: 2UEW; Polyurethane, 130°C	EN60598-1 EN61347-1 EN61347-2-13	UL E164409 Tested with appliance
16. Secondary winding of T1	Furukawa Electric Co., Ltd.	Type: TEX-E; reinforced insulation, 130°C(Class B)	EN60598-1 EN61347-1 EN61347-2-13	UL E206440 Tested with appliance
17. Bobbin of T1	CHANG CHUN PLASTICS CO LTD	Type: T375J; 150°C, V-0	EN60598-1 EN61347-1 EN61347-2-13	UL E59481 Tested with appliance
18. Plastic lampshade	SABIC INNOVATIVE PLASTICS JAPAN L L C	Type: DMX9455 (GG); V-0	EN60598-1 EN61347-1 EN61347-2-13	UL E207780 Tested with appliance
19. G13 lamp cap	SHENZHEN 3NLED LIGHTING CO.,LTD	--	EN60598-1 EN61195	Tested with appliance
20. Plastic of lamp cap	CHANG CHUN CHEMICAL (ZHANGZHOU) CO LTD	Type: T-210LA; V-0, 150°C	EN60598-1 EN61195	UL E304813 Tested with appliance
21. Pin of lamp cap	Kaiping Sanhui illuminate electric appliances co.,ltd	Cu, D=2.35mm	EN60598-1 EN61195	Tested with appliance
22. Enclosure of starter	NAN YA PLASTICS CORP PLASTICS 4TH DIV	Type: 3307(f1); V-0, 110°C	EN60598-1 EN60155	UL E130155 Tested with appliance
23. Fuse of starter	Shenzhen Lanson Electronics Co. Ltd.	Type: 3K T2A250V; T2AL 250VAC	EN60127-1 EN60127-3	VDE 40010682
24. Pin of starter	Kaiping Sanhui illuminate electric appliances co.,ltd	Cu, D=4.7mm	EN60598-1 EN60155	Tested with appliance
25. Plastic material for fixing the pin of starter	NAN YA PLASTICS CORP PLASTICS 4TH DIV	Type: 3307(f1); V-0, 110°C	EN60598-1 EN60155	UL E130155 Tested with appliance
26. LED for SNT8B-06S, SNT8B-09S, SNT8B-12S, SNT8B-15S	SAMSUNG LED CO., LTD.	Type: SPMWHT521MDWAP0S0; White, If=65mA, Vf=2.8-3.3V, 5500-6000K	EN62471	Tested with appliance

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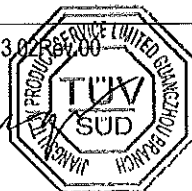
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27. LED for SNT8B-06E, SNT8B-09E, SNT8B-12E, SNT8B-15E	EVERLIGHT ELECTRONICS CO., LTD.	Type: 67-21/X2C-BXXXXXXXXXX/2T; White, Vr=5V, If=30mA, Pd=110Mw, 4500-5650K	EN62471	Tested with appliance
28. LED for SNT8B-06D, SNT8B-09D, SNT8B-12D, SNT8B-15D	Shenzhen Runlite Technology Co., Ltd.	Type: YL-P0513W-PA-XX; White, Vr=5V, Vf=3- 3.6V, If=20mA, Pd=60mW, 5650-6500K	EN62471	Tested with appliance

Model list

No	Model	Voltage & frequency	Power	Length of LED tube
1	SNT8B-06E	AC100-240V 50/60Hz	9W	0.6m
2	SNT8B-09E		14W	0.9m
3	SNT8B-12E		18W	1.2m
4	SNT8B-15E		22W	1.5m
5	SNT8B-06S		9W	0.6m
6	SNT8B-09S		14W	0.9m
7	SNT8B-12S		18W	1.2m
8	SNT8B-15S		22W	1.5m
9	SNT8B-06D		9W	0.6m
10	SNT8B-09D		14W	0.9m
11	SNT8B-12D		18W	1.2m
12	SNT8B-15D		22W	1.5m

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