



Constructional Data Form for Electrical Products

(For TÜV Rheinland of N.A., Inc. use only)

Certificate # CU72201116 01 File # 50351263 001

License Holder : **SHENZHEN GOSPELL DIGITAL TECHNOLOGY CO., LTD.**
E. of 5F, Zone A, 1st Ind., Area, Fenghuanggang, Sou BaoTian 1Rd.,
Xixiang, Str., Bao An District, Shenzhen, Guangdong 518102, P.R. China

Factory : **SHENZHEN GOSPELL DIGITAL TECHNOLOGY CO., LTD**
E. of 5F, Zone A, 1st Ind., Area, Fenghuanggang, Sou BaoTian 1Rd.,
Xixiang, Str., Bao An District, Shenzhen, Guangdong 518102, P.R. China

Type of Product : POWER OVER ETHERNET INJECTOR

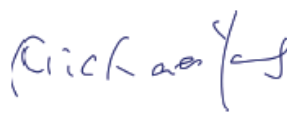
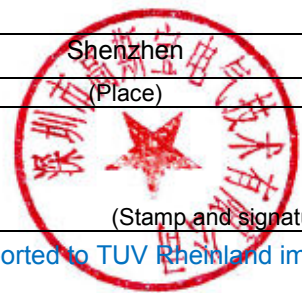
Model Number : G0720-xxx-yyy, G0720-240-zzz, 740-64214-001 (For definition of
variables "xxx", "yyy" and "zzz", see table A on page 2 for details) (Trade
mark: Gospower)

Rating : Input : 100-240V ~, 50/60Hz, 0.75A MAX
Output : See table B on page 2 for details.

Max. operating temperature: 40°C

Class of equipment: Class I

Maximum operating altitude: 5000m

 TUV Rheinland of North America, Inc.	Shenzhen	Apr. 02, 2020
	(Place)	(Date)
	 Luo Ziping (Stamp and signature of applicant)	
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Table A: Definition of variables

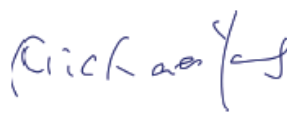
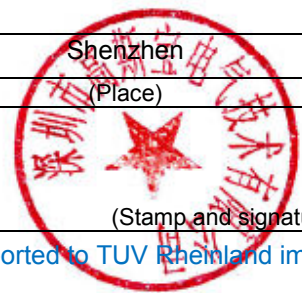
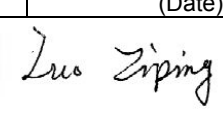
Variable	Range of variable	Content
xxx	360-560	'xxx' are 3 digit number, denotes 10 times of output voltage value in V. For example, 360 represents the output voltage is 36V, 560 represents the output voltage is 56V.
yyy	001-075	'yyy' are 3 digit number, denotes 100 times of output current value in A. For example, 001 represents the output current is 0.01A, 075 represents the output current is 0.75A.
zzz	001-100	'zzz' are 3 digit number, denotes 100 times of output current value in A. For example, 001 represents the output current is 0.01A, 100 represents the output current is 1.0A.

Table B: Model list

Model No.	Output voltage (Vdc)	Output current (A)	Max. output power (W)	Transformer
G0720-xxx-yyy	36-56	0.01-0.75	30	LT00783V01
G0720-240-zzz	24	0.01-1.0	24	
740-64214-001	48	0.5	24	

Note:

- 1) The rated output voltage is rising from 36.0V and in steps of 0.1V between specified voltage range.
- 2) The rated output current is rising from 0.01A and in steps of 0.01A between specified current range, but not more than the indicated max o/p current.
- 3) Actual output current depends on range of output voltage. The max. output current multiplied by output voltage cannot exceed the max. output power.

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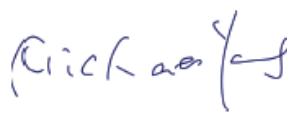
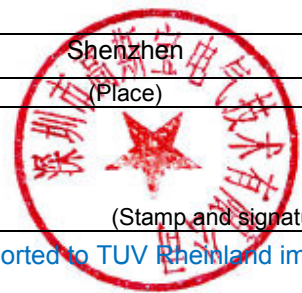
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List of Critical Components:

Item No.	Object/part no.	Manufacturer/ Trademark	Type/Model	Technical Data	Standard	Mark(s) of Conformity
1	Plastic Enclosure	SABIC INNOVATIVE PLASTICS US L L C	945 (GG)	PC, V-0, 120°C, min. thickness 1.5mm	UL 94	UL E121562
2	(Alternative)	SABIC JAPAN L L C	CH6410(GG)	PC, V-0, 100°C, min. thickness 1.5mm	UL 94	UL E207780
3	Appliance Inlet (CON3)	Dongguan HUACONN Electronics Co., Ltd	HC-66	2.5A, 250Vac	IEC/EN 60320-1 IEC/EN 60320-3 UL 60320-1 CAN/CSA-C22.2 No. 60320-1	VDE 40032581 UL E340249
4	(Alternative)	Zhe Jiang Bei Er Jia Electronic Co., Ltd.	ST-A04-001	2.5A, 250Vac	IEC/EN 60320-1 IEC/EN 60320-3 UL 60320-1 CAN/CSA-C22.2 No. 60320-1	VDE 40016045 UL E225980

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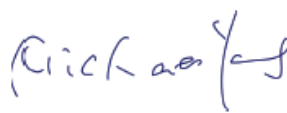
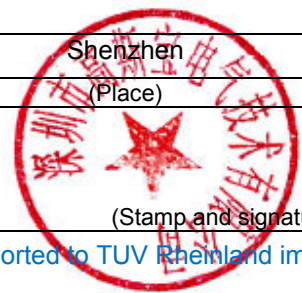
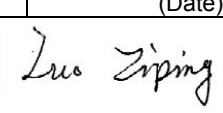
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5	(Alternative)	Zhejiang LECI Electronics Co., Ltd	DB-6	2.5A, 250Vac	IEC/EN 60320-1 IEC/EN 60320-3 UL 60320-1 CAN/CSA-C22.2 No. 60320-1	VDE 40032465 UL E302229
6	(Alternative)	Yueqing Yanhui Electronic Co., Ltd.	DB-14-S-1	2.5A, 250Vac	IEC/EN 60320-1 IEC/EN 60320-3 UL 60320-1 CAN/CSA-C22.2 No. 60320-1	VDE 40035402 UL E334847
7	Earthing wire	Interchangeable	1015	Min. 18 AWG, 300V, 105°C, green/yellow wire	UL 758 CSA-C22.2 No. 127	UL
8	PCB	Interchangeable	Interchangeable	Min. 130°C, V-1 or better	UL 94 UL 796	UL

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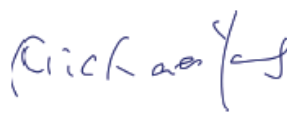
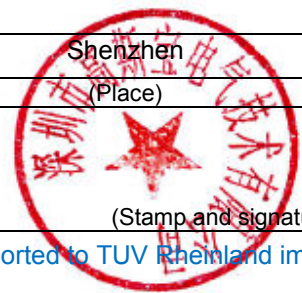
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9	Fuse (F1)	Conquer Electronics Co., Ltd.	MST	T3.15AL, 250Vac	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1 UL 248-14 CSA-C22.2 No. 248.1 CSA-C22.2 No. 248.14	VDE 40017118 UL E82636
10	(Alternative)	Honghu Bluelight Electronic Co., Ltd.	6ET	T3.15AL, 250Vac	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1 UL 248-14 CSA-C22.2 No. 248.1 CSA-C22.2 No. 248.14	VDE 40034107 UL E324232

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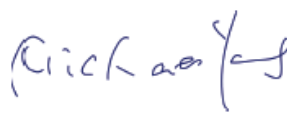
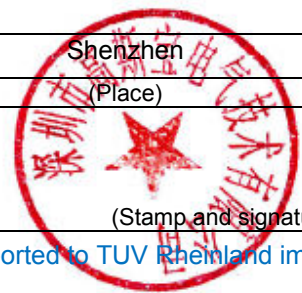
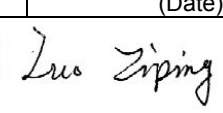
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11	(Alternative)	XC Electronics (Shen Zhen) Corp. Ltd.	5TE	T3.15AL, 250Vac	IEC/EN 60127-1 IEC/EN 60127-3 UL 248-1 UL 248-14 CSA-C22.2 No. 248.1 CSA-C22.2 No. 248.14	VDE 40029550 UL E249609
12	Varistor (MOV1) (Optional)	Thinking Electronic Industrial Co., Ltd.	TVR10561	Min. 350Vac, min. 85°C (Test for 6KV/3KA combination pulse), coating V-0	IEC 61051-1 IEC 61051-2 UL 1449 CSA C22.2 No. 269	VDE 40031391 UL E314979
13	(Alternative)	Brightking (Shenzhen) Co., Ltd.	10D561K	Min. 350Vac, min. 85°C (Test for 6KV/3KA combination pulse), coating V-0	IEC 61051-1 IEC 61051-2 UL 1449 CSA C22.2 No. 269	VDE 40027827 UL E327997
14	(Alternative)	Success Electronics Co., Ltd.	SVR10D561K	Min. 350Vac, min. 85°C (Test for 6KV/3KA combination pulse), coating V-0	IEC 61051-1 IEC 61051-2 UL 1449 CSA C22.2 No. 269	VDE 123677 UL E330256

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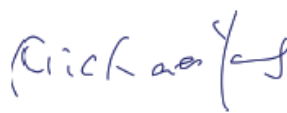
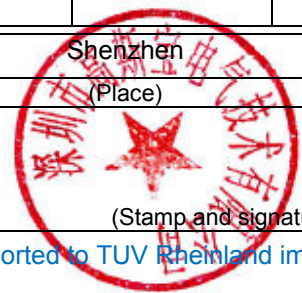
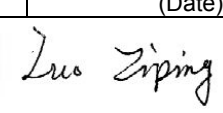
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15	(Alternative)	Cerglass MFG Inc	10D561K	Min. 350Vac, min. 85°C (Test for 6KV/3KA combination pulse), coating V-0	IEC 61051-1 IEC 61051-2 UL 1449 CSA C22.2 No. 269	VDE 40028836 UL E317616
16	(Alternative)	Shantou High-New Technology Dev. Zone Songtian Enterprise Co., Ltd.	10D561K	Min. 350Vac, min. 85°C (Test for 6KV/3KA combination pulse), coating V-0	IEC 61051-1 IEC 61051-2 UL 1449 CSA C22.2 No. 269	VDE 40023049 UL E330837
17	(Alternative)	Joyin Co., Ltd.	10S561K	Min. 350Vac, min. 85°C (Test for 6KV/3KA combination pulse), coating V-0	IEC 61051-1 IEC 61051-2 UL 1449 CSA C22.2 No. 269	VDE 40004658 UL E325508
18	(Alternative)	Fenghua Adv. Tech. (Holding) Co., Ltd. Xianhua New Sen. Comp. & Sensor Br. Co. (for VDE) GUANGDONG FENGHUA ADVANCED TECHNOLOGY HOLDING CO LTD. XIANHUA NEW SENSITIVE COMPONENTS BRANCH (for UL)	FNR-10K561	Min. 350Vac, min. 85°C (Test for 6KV/3KA combination pulse), coating V-0	IEC 61051-1 IEC 61051-2 UL 1449 CSA C22.2 No. 269	VDE 40008242 UL E325462

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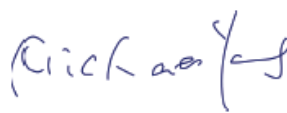
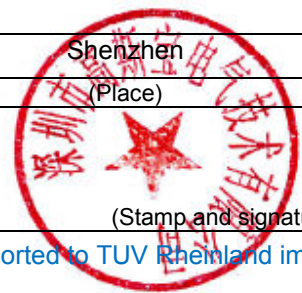
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19	X-Capacitors (C1) (Optional)	Tenta Electric Industrial Co. Ltd.	MEX	Max. 0.22 μ F, 275Vac, 100°C, X2 type	IEC 60384-14 EN 60384-14 UL 60384-14 CAN/CSA-E60384-14	VDE 119119 UL E222911
20	(Alternative)	Shantou High-new Technology Development Zone Songtian	MPX	Max. 0.22 μ F, min. 275Vac, 110°C, X2 type	IEC 60384-14 EN 60384-14 UL 60384-14 CAN/CSA-E60384-14	VDE 40034679 UL E208107
21	(Alternative)	Shenzhen Su Rong Capacitors Co., Ltd.	MPX/MKP	Max. 0.22 μ F, min. 280Vac, min. 100°C, X2 type	IEC 60384-14 EN 60384-14 UL 60384-14 CAN/CSA-E60384-14	VDE 40008924 UL E314875
22	(Alternative)	Dain Electronics Co., Ltd.	MPX	Max. 0.22 μ F, 275Vac, min. 100°C, X2 type	IEC 60384-14 EN 60384-14 UL 60384-14 CAN/CSA-E60384-14	VDE 40018798 UL E147776
23	(Alternative)	Shenzhen Yimanfeng Science And Technology Co., Ltd.	MPX/MKP	Max. 0.22 μ F, min. 275Vac, min. 100°C, X2 type	IEC 60384-14 EN 60384-14 UL 60384-14 CAN/CSA-E60384-14	VDE 40028516 UL E315567

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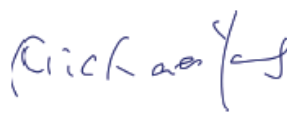
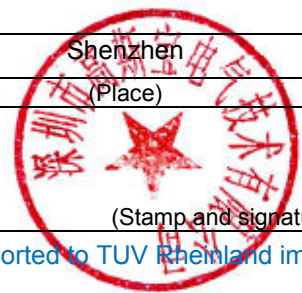
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24	(Alternative)	Hsuan Tai Electronic Co. Ltd.	MCY	Max. 0.22 μ F, 275Vac, 110°C, X2 type	IEC 60384-14 EN 60384-14 UL 60384-14 CAN/CSA-E60384-14	VDE 125205 UL E199069
25	(Alternative)	Guangdong JURCC electronics Co., LTD.	MPX/MKP	Max. 0.22 μ F, min. 275Vac, min. 110°C, X2 type	IEC 60384-14 EN 60384-14 UL 60384-14 CAN/CSA-E60384-14	VDE 40034920 UL E343072
26	Y-Capacitor (C13) (Optional)	Shantou High-New Technology Dev. Zone Songtian Enterprise Co., Ltd.	CD	Max. 3300pF, Min. 250Vac, 125°C, Y1 type	IEC 60384-14 EN 60384-14 UL 60384-14 CAN/CSA-E60384-14	VDE 40025754 UL E208107
27	(Alternative)	Guangdong South Hongming Electronic Science and Technology Co., Ltd.	F	Max. 3300pF, Min. 250Vac, 125°C, Y1 type	IEC 60384-14 EN 60384-14 UL 60384-14 CAN/CSA-E60384-14	VDE 40036393 UL E154899
28	(Alternative)	Jyh Chung Electronic Co., Ltd.	JD	Max. 3300pF, 400Vac, 125°C, Y1 type	IEC 60384-14 EN 60384-14 UL 60384-14 CAN/CSA-E60384-14	VDE 137027 UL E187963

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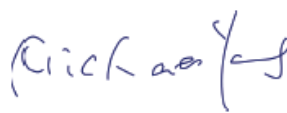
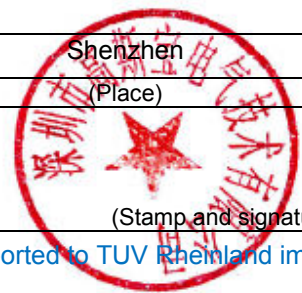
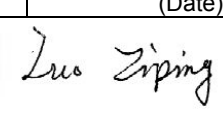
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29	(Alternative)	XIAMEN WANMING ELECTRONICS CO LTD	HJ	Max. 3300pF, Min. 250Vac, 125°C, Y1 type	IEC 60384-14 EN 60384-14 UL 60384-14 CAN/CSA-E60384-14	VDE 40034438 UL E221839
30	(Alternative)	Shaanxi Huaxing Electronic Development Co. Ltd.	CT7Y1	Max. 3300pF, 400Vac, 125°C, Y1 type	IEC 60384-14 EN 60384-14 UL 60384-14 CAN/CSA-E60384-14	VDE 40015542 UL E217400
31	(Alternative)	Hsuan Tai Electronic Co. Ltd.	CY	Max. 3300pF, 400Vac, 125°C, Y1 type	IEC 60384-14 EN 60384-14 UL 60384-14 CAN/CSA-E60384-14	VDE 40008912 UL E199069
32	(Alternative)	Shenzhen Teruixiang Electronic Co, Ltd.	TY	Max. 3300pF, 400Vac, 125°C, Y1 type	IEC 60384-14 EN 60384-14 UL 60384-14 CAN/CSA-E60384-14	VDE 40031733 UL E315719

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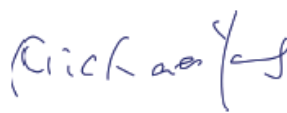
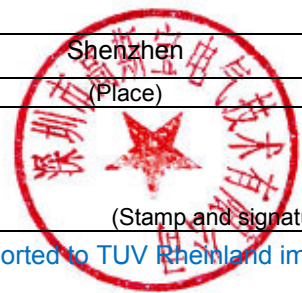
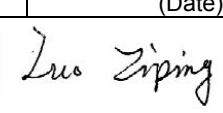
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33	Optocoupler (OT1)	COSMO Electronics Corporation	K1010, KPC817	Ext.cl $\geq 6.5\text{mm}$, 115°C	IEC 60747-5-5 EN 60747-5-5 UL 1577 CSA Component Acceptance Service Notice No. 5A	VDE 101347 UL E169586
34	(Alternative)	Lite-On Technology Corporation	LTV-817	Ext.cl $\geq 7.0\text{mm}$, 115°C	IEC 60747-5-5 EN 60747-5-5 UL 1577 CSA Component Acceptance Service Notice No. 5A	VDE 40015248 UL E113898
35	(Alternative)	Everlight Electronics Co., Ltd.	EL817	Ext.cl $\geq 7.6\text{mm}$, 110°C	IEC 60747-5-5 EN 60747-5-5 UL 1577 CSA Component Acceptance Service Notice No. 5A	VDE 132249 UL E214129

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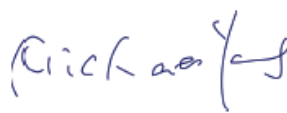
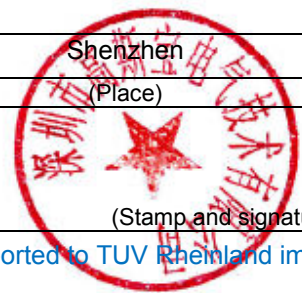
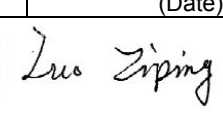
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36	(Alternative)	Fairchild Semiconductor Pte Ltd	H11A817(A; B; C; D; X)	Ext.cl $\geq 7.0\text{mm}$, 115°C	IEC 60747-5-5 EN 60747-5-5 UL 1577 CSA Component Acceptance Service Notice No. 5A	VDE 40026857 UL E90700
37	(Alternative)	Bright Led Electronics Corp.	BPC-817 (A,B,C,D,L), BPC-817S	Ext.cl $\geq 7.6\text{mm}$, 110°C	IEC 60747-5-5 EN 60747-5-5 UL 1577 CSA Component Acceptance Service Notice No. 5A	VDE 40007240 UL E236324
38	Thermistor (RT1)	Interchangeable	Interchangeable	Min. 3A, 5ohm , at 25°C	--	--
39	Bleeder resistor (R20, R21, R22, R23)	Interchangeable	Interchangeable	Each of max. 3.3M ohm, 1/4W	--	Tested with appliance
40	Current-limiting resistor (R16, R17)	Interchangeable	Interchangeable	Each of 1.0-3.0 ohm, 1/4W	--	Tested with appliance
41	Bridge Diode (D1, D2, D3, D6)	Interchangeable	Interchangeable	Each of min.1000V, min. 1A	--	Tested with appliance

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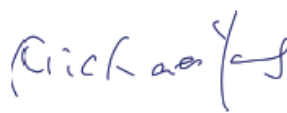
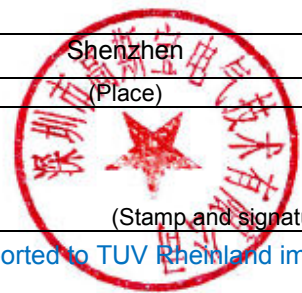
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Constructional Data Form for Electrical Products

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42	Transistor (Q1)	Interchangeable	Interchangeable	Min. 7A, Min. 650V	--	Tested with appliance
43	Electrolytic capacitor (C2)	Interchangeable	Interchangeable	22-47uF, 105°C, Min.400V	--	Tested with appliance
44	Inductor (L1)	DONGGUANSHI CHANGSHEN Electronic Co., LTD.	LL00053V00	130°C	IEC/EN/UL 62368-1 CAN/CSA- C22.2 No. 62368-1	Tested with appliance
45	--Bobbin of L1	CHANG CHUN PLASTICS CO LTD	T375J	Phenolic, V-0, 150°C, Min. thickness: 0.45mm	UL 94	UL E59481
46	--Magnet wire of L1	Interchangeable	Interchangeable	Min.130°C	UL 1446	UL
47	--Insulation tape of L1	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	PZ-280	130°C	UL 510A	UL E165111
48	--Varnishes of L1	HANG CHEUNG COATINGS (HUIYANG) LTD	8562A	155°C	UL 1446	UL E200154
49	Inductor (L1) (Alternative)	SHENZHEN HENGSIDA INDUSTRY CO., LTD	LL00053V00	130°C	IEC/EN/UL 62368-1 CAN/CSA- C22.2 No. 62368-1	Tested with appliance

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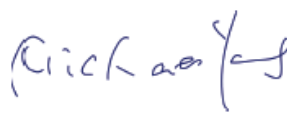
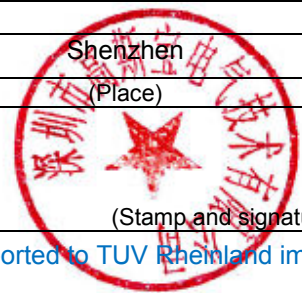
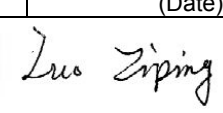
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Item No.	Object/part no.	Manufacturer/ Trademark	Type/Model	Technical Data	Standard	Mark(s) of Conformity
50	--Bobbin of L1	CHANG CHUN PLASTICS CO LTD	T375J	Phenolic, V-0, 150°C, Min.thickness: 0.45mm	UL 94	UL E59481
51	--Magnet wire of L1	Interchangeable	Interchangeable	Min.130°C	UL 1446	UL
52	--Insulation tape of L1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1 (b)	130°C	UL 510A	UL E17385
53	--Varnishes of L1	HANG CHEUNG COATINGS (HUIYANG) LTD	8562C	155°C	UL 1446	UL E200154
54	Inductor (L1) (Alternative)	SHENZHEN WANZHUYU TECHNOLOGY CO LTD	LL00053V00	130°C	IEC/EN/UL 62368-1 CAN/CSA-C22.2 No. 62368-1	Tested with appliance
55	--Bobbin of L1	CHANG CHUN PLASTICS CO LTD	T375J	Phenolic, V-0, 150°C, Min. thickness: 0.45mm	UL 94	UL E59481
56	--Magnet wire of L1	Interchangeable	Interchangeable	Min.130°C	UL 1446	UL
57	--Insulation tape of L1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1 (b)	130°C	UL 510A	UL E17385
58	--Varnishes of L1	HANG CHEUNG COATINGS (HUIYANG) LTD	8562*	155°C	UL 1446	UL E200154

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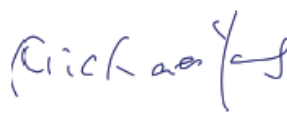
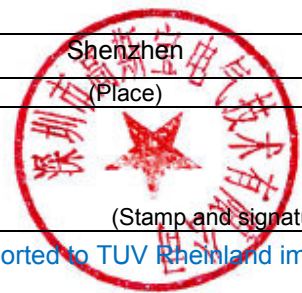
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Item No.	Object/part no.	Manufacturer/ Trademark	Type/Model	Technical Data	Standard	Mark(s) of Conformity
59	Inductor (L1) (Alternative)	HUIZHOU YONG JIN ELECTRIC CO., LTD	LL00053V00	130°C	IEC/EN/UL 62368-1 CAN/CSA- C22.2 No. 62368-1	Tested with appliance
60	--Bobbin of L1	CHANG CHUN PLASTICS CO LTD	T375J	Phenolic, V-0, 150°C, Min.thickness: 0.45mm	UL 94	UL E59481
61	--Magnet wire of L1	Interchangeable	Interchangeable	Min.130°C	UL 1446	UL
62	--Insulation tape of L1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350F-1 (b)	130°C	UL 510A	UL E17385
63	--Varnishes of L1	HANG CHEUNG COATINGS (HUIYANG) LTD	8562C	155°C	UL 1446	UL E200154
64	Transformer (T1)	ShenZhen JiaMeiRui ELECTRONICS CO., LTD	LT00783V01	Class B	IEC/EN/UL 62368-1 CAN/CSA- C22.2 No. 62368-1	Tested with appliance
65	--Bobbin of T1	SUMITOMO BAKELITE CO LTD	PM-9820, PM-9830	Phenolic, V-0, 150°C, Min. thickness: 0.70mm	UL 94	UL E41429
66	--Magnet wire of T1	Interchangeable	Interchangeable	Polyurethane, Min.130°C	UL 1446	UL

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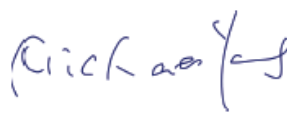
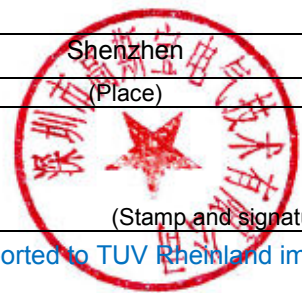
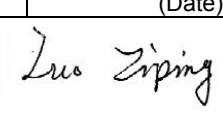
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Item No.	Object/part no.	Manufacturer/ Trademark	Type/Model	Technical Data	Standard	Mark(s) of Conformity
67	--Triple insulated wire of T1	Furukawa Electric Co., Ltd.	TEX-E	130°C	IEC 62368-1 EN 62368-1 UL 2353	VDE 006735 UL E206440
68	--(Alternative)	Totoku Electric Co. Ltd.	TIW-3	130°C	IEC 60950-1 EN 60950-1 UL 2353	VDE 40005154 UL E166483
67	--Tubing of T1	GREAT HOLDING INDUSTRIAL CO LTD	TFS	600V, 200°C, VW-1	UL 224	UL E156256
70	--Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350T-1 (b)	130°C	UL 510A	UL E17385
71	--(Alternative)	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	44T-A (a)	130°C	UL 510A	UL E17385
72	--Varnishes of T1	ELANTAS ELECTRICAL INSULATION ELANTAS PDG INC	468-2 (d)	130°C	UL 1446	UL E75225
73	Transformer (T1) (Alternative)	SHENZHEN HENGSIDA INDUSTRY CO., LTD	LT00783V01	Class B	IEC/EN/UL 62368-1 CAN/CSA-C22.2 No. 62368-1	Tested with appliance

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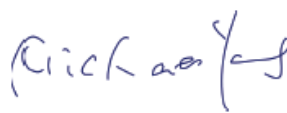
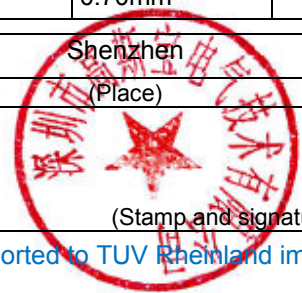
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Item No.	Object/part no.	Manufacturer/ Trademark	Type/Model	Technical Data	Standard	Mark(s) of Conformity
74	--Bobbin of T1	SUMITOMO BAKELITE CO LTD	PM-9820	Phenolic, V-0, 150°C, Min. thickness: 0.70mm	UL 94	UL E41429
75	--Magnet wire of T1	Interchangeable	Interchangeable	Polyurethane, Min.130°C	UL 1446	UL
76	--Triple insulated wire of T1	Furukawa Electric Co., Ltd.	TEX-E	130°C	IEC 62368-1 EN 62368-1 UL 2353	VDE 006735 UL E206440
77	--Tubing of T1	GREAT HOLDING INDUSTRIAL CO LTD	TFS	600V, 200°C, VW-1	UL 224	UL E156256
78	--Insulation tape of T1	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	1350T-1 (b)	130°C	UL 510A	UL E17385
79	--Varnishes of T1	ELANTAS ELECTRICAL INSULATION ELANTAS PDG INC	468-2 (d)	130°C	UL 1446	UL E75225
80	Transformer (T1) (Alternative)	CHENZHOU YUHUI ELECTRONIC TECHNOLOGY CO LTD	LT00783V01	Class B	IEC/EN/UL 62368-1 CAN/CSA-C22.2 No. 62368-1	Tested with appliance
81	--Bobbin of T1	SUMITOMO BAKELITE CO LTD	PM-9820	Phenolic, V-0, 150°C, Min. thickness: 0.70mm	UL 94	UL E41429

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82	--Magnet wire of T1	Interchangeable	Interchangeable	Polyurethane, Min.130°C	UL 1446	UL
83	--Triple insulated wire of T1	Furukawa Electric Co., Ltd.	TEX-E	130°C	IEC 62368-1 EN 62368-1 UL 2353	VDE 006735 UL E206440
84	--Tubing of T1	GREAT HOLDING INDUSTRIAL CO LTD	TFS	600V, 200°C, VW-1	UL 224	UL E156256
85	--Insulation tape of T1	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	PZ*(b)	130°C	UL 510A	UL E165111
86	--Varnishes of T1	ELANTAS ELECTRICAL INSULATION ELANTAS PDG INC	468-2 (d)	130°C	UL 1446	UL E75225

Routine Safety Testing:

Required: ☒

Not Required: ☐

Reason:
For NRCan

Class III product: ☐

Other:

Test Details:

☒ Dielectric Strength:

Test Points:

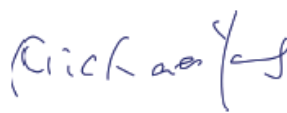
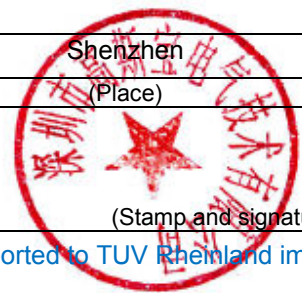
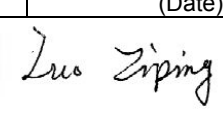
RI:L/N - Secondary

Test Values

4000Vdc

☐ Ground Continuity:

☐ Insulation Resistance:

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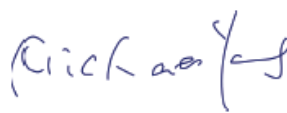
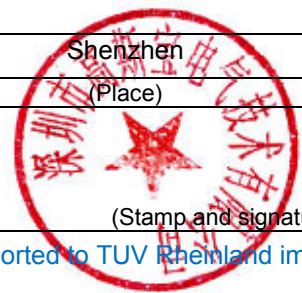
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☐ **Leakage Current:**

☐ **Other:**

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