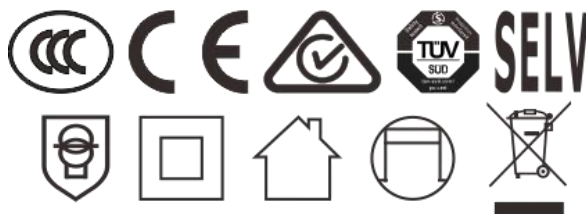



Constant Current Driver 恒流电源
Model 型号: KEDHXXXSXXXNR52A7


Model 型号	Output Current 输出电流	Input Current 输入电流	Input Power 输入功率	Output Power Range 输出功率范围	PF 功率因素	Efficiency 效率	Output Voltage 输出电压	No load Voltage 空载电压
KEDH001S0350NR52A7	350mA	0.06A	4W	0.7-1.4W	0.4	60%	2-4V	20V
KEDH003S0300NR52A7	300mA	0.06A	5W	1.5-3W	0.4	72%	5-10V	25V
KEDH003S0700NR52A7	700mA	0.06A	5W	1.4-2.8W	0.4	66%	2-4V	20V
KEDH005S0120NR52A7	120mA	0.11A	10W	3.6-4.8W	0.5	76%	30-40V	58V
KEDH006S0150NR52A7	150mA	0.11A	10W	4.5W-6W	0.5	76%	30-40V	58V
KEDH006S0200NR52A7	200mA	0.11A	10W	3-6W	0.5	76%	15-30V	50V
KEDH006S0250NR52A7	250mA	0.11A	10W	3-6W	0.5	76%	12-24V	50V
KEDH006S0300NR52A7	300mA	0.11A	10W	3-6W	0.5	76%	10-20V	35V
KEDH006S0350NR52A7	350mA	0.11A	10W	2.8-6.3W	0.5	76%	8-18V	35V
KEDH006S0500NR52A7	500mA	0.11A	10W	3-6W	0.5	74%	6-12V	30V
KEDH006S0700NR52A7	700mA	0.11A	10W	3.5W-6.3W	0.5	74%	5-9V	30V

* Test result @230V, 50Hz, Full Load. 所有测试参数基于@230V, 50Hz, 满载

1. Parameters 参数表

Category 类别	Item 项目	Technical Norm 技术指标
Features 特性	Output Type 输出类型	Constant Current 恒流
	IP Grade 等级	IP20
	Insulation Class 绝缘等级	Class II
Input 输入参数	Rated Input Voltage 额定输入电压	220-240VAC
	Range of Input Voltage 交流输入电压范围	180-264VAC or 230-280VDC
	Frequency 输入频率	50/60Hz
	Input Current 输入电流	≤0.11A
	Input Power 输入功率	≤9 W
	Power Factor 功率因素	≥0.4(230VAC, full load)
	THD 谐波	符合 EN61000-3-2 (230VAC, ≥70%full load)
	No-load Power Consumption 空载功耗	≤0.5W @230VAC
	Inrush Current 浪涌电流	≤20A/400us (230VAC, Full-load)
Output	Current Accuracy 电流精度	120-200mA:±7%



输出参数		250-700mA:±5%
	Max. Output Power 最大输出功率	6.3W
	Started Delay Time 启动延时	≤0.5S (230VAC, full load)
	LF Current Ripple (< 120 Hz) 低频纹波电流(< 120 Hz)	±5% (Imax-Imin) / (Imax+Imin)
	PstLM 频闪	≤1
	SVM 频闪效应	≤0.4
	DF 相移因素	≥0.7 @230VAC
Protection 保护特性	Short Circuit Protection 短路保护	Auto Recovery
	Overload Protection 过载保护	Auto Recovery
	No-load Protection 空载保护	Auto Recovery
	Insulation voltage 绝缘电压	I/P to O/P , 3.75KVac/1min
	Insulation resistance 绝缘电阻	>100M ohm @ 500VDC
	Leakage current 漏电流	I/P to O/P < 250μA
Environment 使用环境	Ta/Operation Temperature 工作温度	-20....+45℃
	Ts/Storage Temperature 储存温度	-40....+85℃
	Tc/Enclosure Temperature 外壳温度	75 ℃
	Humidity 湿度	10%....90%RH
	Atmosphere 大气压强	86-108KPa
Construction 安装	Connection Method 连接方式	Push-in Terminal 按压式端子
	Installation 安装方式	Independent 独立式
	PRI Wire preparation 输入线径	0.75-1.0□
	SEC Wire preparation 输出线径	0.5-1.0□
	Dimension 尺寸	80X22X21mm (L*W*H)
Standards 标准	Certification 证书	TUV+CCC+SAA
	Safety Standards 安全标准	EN61347-2-13:2014/A1:2017, EN62493:2015 , EN 61347-1:2015/A1:2021,EN62493:2015 AS 61347.2.13:2018,AS/NZS 61347.1:2016 Inc A1;GB/T17743-2021,GB19510.1-2009,GB 19510.14-2009
	EMC Standards 电磁兼容标准	ENIEC55015:2019,ENIEC55015:2019/A11:2020, ENIEC61000-3-2:2019/A1:2021;EN61000-3-3:2013/A2:2021; EN61547:2009,
	Performance 性能标准	EN62384
	Surge 浪涌	L-N/1KV
Others 其它	RoHS 环保	complied to 2011/65/EU
	Life Time 寿命	30000h @Ta / TC
	Warranty 质保	5years , F.R. <10000ppm 质保期过的失效率
	Noise 噪音	≤24dB @Background noise≤18dB, Interval≥15cm

Remark/备注

所有参数无特别说明, 均在输入电压 230VAC/50Hz 和 25℃ 的环境温度下测得。All Parameters, if not specified, are measured at 230VAC/50Hz and 25℃ ambient temperature.

LED 电源作为整灯中的一个零部件与终端设备结合使用, 因 EMC 性能受 LED 灯具以及走线的影响, 终端设备制造

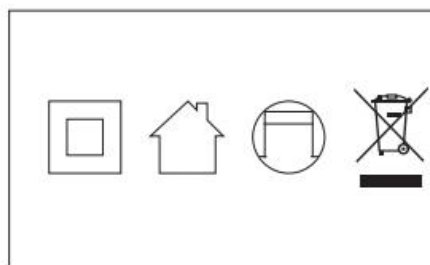


商需对整套装置重新进行 EMC 确认。LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.

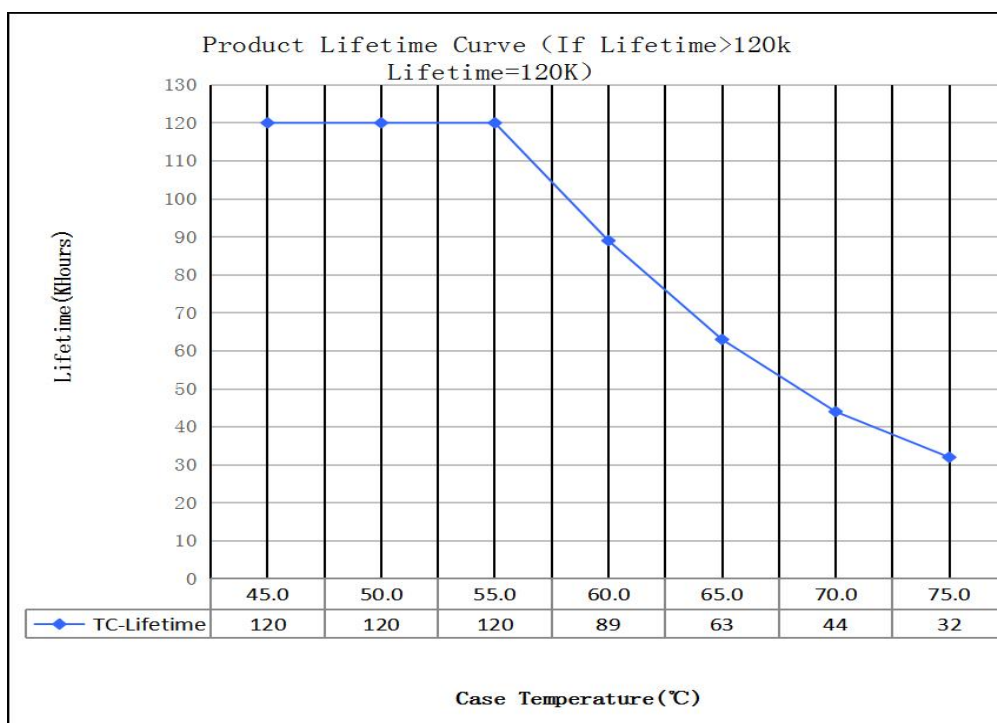
2. Connected quantities of different current Breaker 不同类型断路器数量

TYPE	Connected quantities of different current Breaker					Input Voltage	Inrush Current	Time
	current (A)	10	13	16	20			
	Installation wire diameter	1.5mm ²	2.5mm ²	2.5mm ²	4mm ²	4mm ²		
TYPE B		30	39	48	60	75	@230VAC	20
TYPE C		48	62	77	96	120		
TYPE D		77	100	123	154	192		

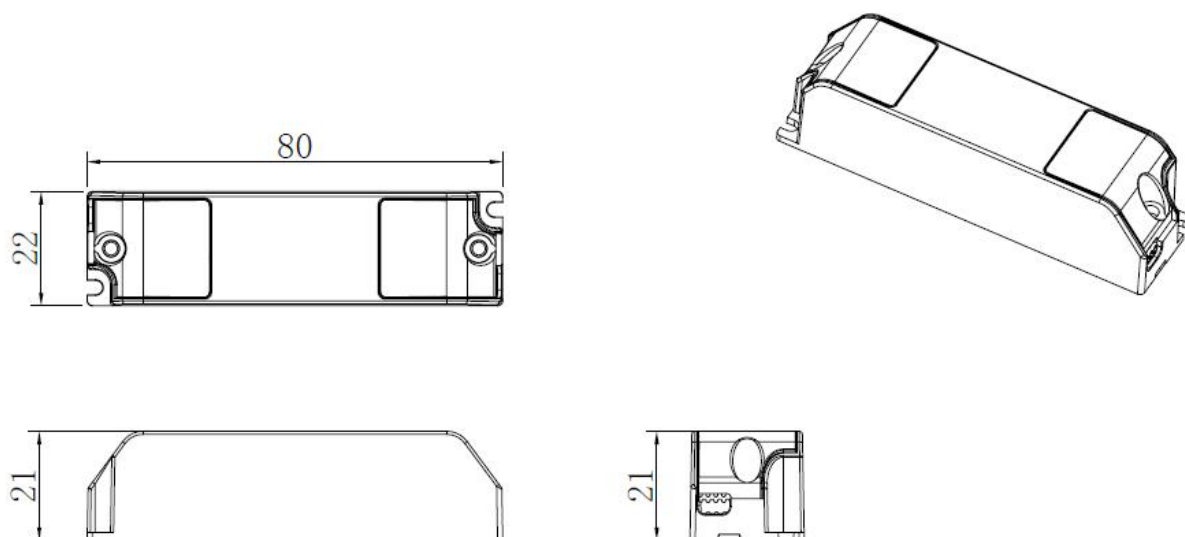
3. Label 铭牌



4. Lifetime curve 寿命曲线



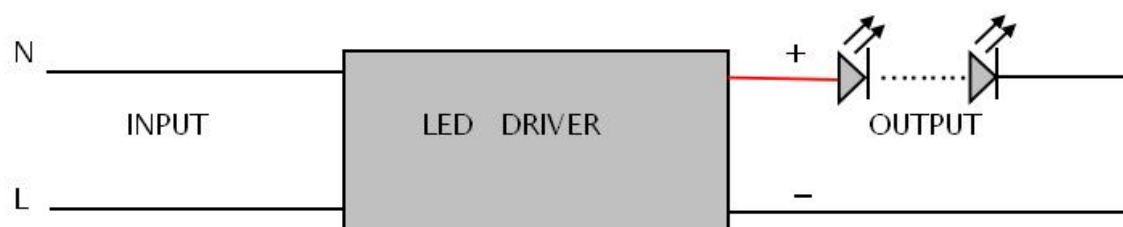
5. Dimension 尺寸 (Unit: mm)



6. Packing information 装箱信息

packing way	Carton L*W*H(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
With white box and manual	450*240*200	125	0.04	6.75	7.1
Without white box and manual		210	0.04	8.4	9.75

7. Wiring Diagram 接线图



8. Wiring instructions 接线说明

- All connections must be kept as short as possible to ensure good EMI behaviour

所有的连接线尽可能的短，以保证良好的 EMI

- Mains leads should be kept apart from LED Driver and other leads (ideally 5 – 10 cm distance)

电源线应和驱动器以及其他连接线保持一定的距离（建议 5-10cm）

- Advice the maximum length of output wires is 3 m

建议输出线的最大长度不超过 3m

- Secondary switching is not permitted (Except for constant voltage)

不允许二次侧开关（恒压除外）

- Incorrect wiring can damage LED modules.

错误的布线会损坏 LED 模组

- The wiring must be protected against short circuits to earth (sharp edged metals parts, metal cable clips, louver, etc.)

防止线路电线对地短路。（尖锐的金属零件、金属电缆夹、百叶窗等）

9. REVISION HISTORY 修订历史

DATE 日期	VER 版本	REMARK 备注
2022-08-23	V1.0	Initial release.首次发行