



田 PRODUCT SELECTION CATALOGUE

Product Selection Catalogue

产品选型手册

Zhejiang Leikang Electric Co., Ltd.

浙江雷康电气有限公司

Surge Protective Devices · Fuse Holder Bases · DC Circuit Breakers

浪涌保护器·熔断器底座·直流断路器

✓ ISO 9001

✓ TUV Certified

✓ OEM/ODM

About Leikang Electric

关于雷康电气

2001

成立
ESTABLISHED

Zhejiang, China/中国浙江

5,000m²

Facility
生产基地

3

Product Line
产品线

20+

Years
年

50+

Countries
国家

Professional Electrical Protection Manufacturer

专业电气保护设备制造商

Zhejiang Leikang Electric Co., Ltd., founded in 2001, is a leading manufacturer specializing in surge protective devices (SPD), cylindrical fuse holder bases, and DC miniature circuit breakers. With a 5,000m² production facility, we maintain complete in-house capabilities from mold design to automated assembly.

浙江雷康电气有限公司成立于2001年,是专业生产浪涌保护器、圆柱形熔断器底座和直流微型断路器的领先制造商。拥有5000平方米生产基地,从模具设计到自动化装配实现全程自主生产。

✓ ISO 9001 Certified / ISO 9001 认证

✓ TUV Certification / TUV 认证

✓ In-house R&D/自主研发

✓ OEM/ODM Service /定制服务



Full-Chain Manufacturing 全产业链制造

From raw materials to finished products — all under one roof for complete quality control.

从原材料到成品,一站式完成,全程品质管控。



Production of MOV chips MOV芯片制作

Proprietary surge protection chips developed and manufactured in-house.

防雷芯片自主研发和生产,确保卓越性能。



Certified Quality 品质认证

ISO 9001 quality system and TUV product certification ensure reliable quality.

ISO 9001质量体系 and TUV 产品认证,确保品质可靠。



Global Export 全球出口

Products exported to Korea, Japan, Europe and 10+ countries worldwide.

产品远销韩国、日本、欧洲等10余个国家和地区。

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AC Surge Protective Devices

交流浪涌保护器



D3 Model



D4 Model



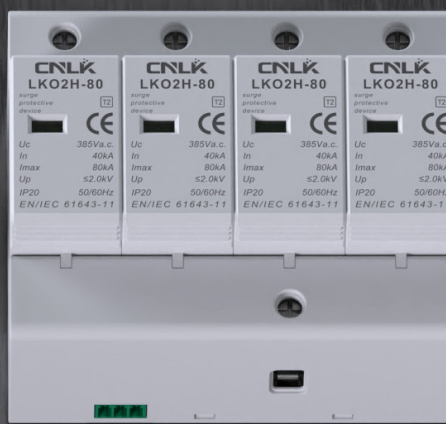
D6 Model



O2 Model



HF Model



O2H Model

TYPE1+2 AC LKD4-12.5



可选模型

D6 Model

D4 Model

D3 Model

O2 Model

HF Model

O2H Model

LKD4-12.5是一款Type1+2级交流浪涌保护器, 专为建筑总配电系统设计。其冲击放电电流达12.5kA, 最大放电电流可达60kA, 电压保护水平低至1.5kV, 响应时间 $\leq 25\text{ns}$ 。适用于TT/TN-S系统, 为电力系统提供可靠的雷电防护。

The LKD4- is a Type 1+2 AC surge protection device designed for building main distribution systems. With an impulse discharge current of 12.5kA, maximum discharge current up to 60kA, voltage protection level as low as 1.5kV, and response time $\leq 25\text{ns}$. Suitable for TT/TN-S systems, providing reliable lightning protection for power systems.

- Type 1+2 AC surge protection device
- 1+2型交流浪涌保护装置
- Impulse/maximum discharge current [Iimp/ Imax]:12.5kA / 50kA
- 脉冲/最大放电电流 [Iimp/Imax]: 12.5kA / 50kA
- Varistor voltage limiting technology, low residual voltage design
- 压敏电阻限压技术, 低残余电压设计
- Pluggable design and internal thermal disconnection devices
- 可插拔式结构, 内置热脱扣装置
- Operating /fault indication, optional remote signal
- 具备运行/故障指示功能, 可选远程信号输出
- Conform to IEC 61643-11, EN 61643-11, GB/T 18802.11
- 符合IEC 61643-11、EN 61643-11、GB/T 18802.11标准

LK XX - 12.5 - XXX - R

1 2 3 4

1 Model/模型

2 Iimp/冲击放电电流

3 Maximum Continuous Operating Voltage/最大持续工作电压

4 Remote Signal(Optional)/远程信号 (可选)

TECHNOLOGY PARAMETER / 技术参数

Model / 型号	Sym	LKD4-12.5-275	LKD4-12.5-320	LKD4-12.5-385	LKD4-12.5-440
AC Operating Voltage / 交流工作电压	[Un]	230Vac	230Vac	230Vac	230Vac
Max. Continuous Operating Voltage / 最大持续工作电压	[Uc]	275Vac	320Vac	385Vac	440Vac
TOV-5s / 暂态过电压5s	[Ut]	335Vac	335Vac	500Vac	580Vac
TOV-120min / 暂态过电压120min	[Ut]	440Vac	440Vac	650Vac	770Vac
Nominal Discharge Current [8/20us] / 标称放电电流	[In]	20kA(30kA)	20kA(30kA)	20kA(30kA)	20kA(30kA)
Max. Discharge Current [8/20us] / 最大放电电流	[Imax]	50kA(60kA)	50kA(60kA)	50kA(60kA)	50kA(60kA)
Impulse Discharge Current [10/350us] / 冲击放电电流	[Iimp]	12.5kA	12.5kA	9kA	9kA
Voltage Protection Level / 电压保护水平	[Up]	$\leq 1.5\text{kV}$	$\leq 1.6\text{kV}$	$\leq 1.8\text{kV}$	$\leq 2.0\text{kV}$
Short-circuit Current Rating / 短路耐受电流	[Iscrr]	25kA	25kA	25kA	25kA
Response Time / 响应时间	[tA]	$\leq 25\text{ns}$	$\leq 25\text{ns}$	$\leq 25\text{ns}$	$\leq 25\text{ns}$
Max. Backup Fuse / 最大后备熔断器	[I]	160A~200A gG	160A~200A gG	160A~200A gG	160A~200A gG

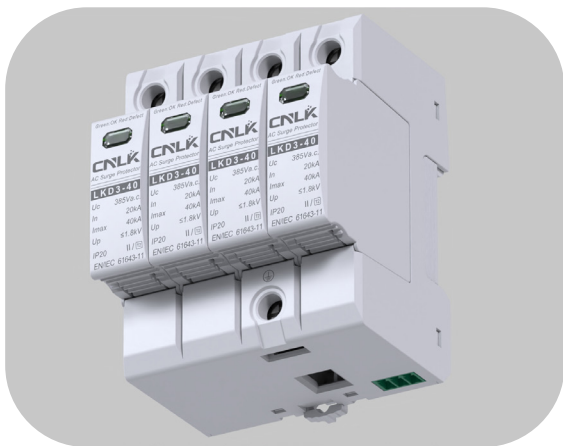
MECHANICAL DATA / 机械数据

Item / 项目	Description / 描述
Wiring Method / 接线方式	Screw terminal 2.5-25mm ²
Status Indication / 状态指示	Green(OK)/Red(Fault)
Remote Signal / 通信	Optional / 可选
Installation / 安装方式	35mm DIN rail / 35mm导轨
Operating Temp. / 工作温度	-40~+85°C
Protection Level / 防护等级	IP20
Enclosure Material / 外壳材料	UL94-V0

ORDER INFORMATION / 订购信息

MODEL	PROT.MODE	Iimp	Iimp TOTAL	Up(L-PE)	Up(N-PE)	Up(L-N)
LKD4-12.5-275/1+0	L/N-PE	12.5kA	12.5kA	$\leq 1.5\text{kV}$	/	$\leq 1.5\text{kV}$
LKD4-12.5-275/2+0	L,N-PE	12.5kA	25kA	$\leq 1.5\text{kV}$	/	$\leq 1.5\text{kV}$
LKD4-12.5-275/3+0	L-PE	12.5kA	37.5kA	$\leq 1.5\text{kV}$	/	$\leq 1.5\text{kV}$
LKD4-12.5-275/4+0	L,N-PE	12.5kA	50kA	$\leq 1.5\text{kV}$	/	$\leq 1.5\text{kV}$
LKD4-12.5-275/1+1	L-N,N-PE	12.5kA	12.5kA	/	$\leq 1.2\text{kV}$	$\leq 1.5\text{kV}$
LKD4-12.5-275/3+1	L-N,N-PE	12.5kA	12.5kA	$\leq 1.5\text{kV}$	$\leq 1.5\text{kV}$	$\leq 1.5\text{kV}$
LKD4-12.5-320/1+0	L/N-PE	12.5kA	12.5kA	$\leq 1.6\text{kV}$	/	$\leq 1.6\text{kV}$
LKD4-12.5-320/2+0	L,N-PE	12.5kA	25kA	$\leq 1.6\text{kV}$	/	$\leq 1.6\text{kV}$
LKD4-12.5-320/3+0	L-PE	12.5kA	37.5kA	$\leq 1.6\text{kV}$	/	$\leq 1.6\text{kV}$
LKD4-12.5-320/4+0	L,N-PE	12.5kA	50kA	$\leq 1.6\text{kV}$	/	$\leq 1.6\text{kV}$
LKD4-12.5-320/1+1	L-N,N-PE	12.5kA	12.5kA	/	$\leq 1.5\text{kV}$	$\leq 1.6\text{kV}$
LKD4-12.5-320/3+1	L-N,N-PE	12.5kA	12.5kA	$\leq 1.5\text{kV}$	$\leq 1.5\text{kV}$	$\leq 1.6\text{kV}$
LKD4-12.5-385/1+0	L/N-PE	9kA	9kA	$\leq 1.8\text{kV}$	/	$\leq 1.8\text{kV}$
LKD4-12.5-385/2+0	L,N-PE	9kA	18kA	$\leq 1.8\text{kV}$	/	$\leq 1.8\text{kV}$
LKD4-12.5-385/3+0	L-PE	9kA	27kA	$\leq 1.8\text{kV}$	/	$\leq 1.8\text{kV}$
LKD4-12.5-385/4+0	L,N-PE	9kA	36kA	$\leq 1.8\text{kV}$	/	$\leq 1.8\text{kV}$
LKD4-12.5-385/1+1	L-N,N-PE	9kA	9kA	/	$\leq 1.5\text{kV}$	$\leq 1.8\text{kV}$
LKD4-12.5-385/3+1	L-N,N-PE	9kA	9kA	$\leq 1.5\text{kV}$	$\leq 1.5\text{kV}$	$\leq 1.8\text{kV}$
LKD4-12.5-440/1+0	L/N-PE	9kA	9kA	$\leq 2.0\text{kV}$	/	$\leq 1.6\text{kV}$
LKD4-12.5-440/2+0	L,N-PE	9kA	18kA	$\leq 2.0\text{kV}$	/	$\leq 1.6\text{kV}$
LKD4-12.5-440/3+0	L-PE	9kA	27kA	$\leq 2.0\text{kV}$	/	$\leq 1.6\text{kV}$
LKD4-12.5-440/4+0	L,N-PE	9kA	36kA	$\leq 2.0\text{kV}$	/	$\leq 1.6\text{kV}$
LKD4-12.5-440/1+1	L-N,N-PE	9kA	9kA	/	$\leq 1.5\text{kV}$	$\leq 1.6\text{kV}$
LKD4-12.5-440/3+1	L-N,N-PE	9kA	9kA	$\leq 1.5\text{kV}$	$\leq 1.5\text{kV}$	$\leq 1.6\text{kV}$

TYPE1+2 AC LKXX-7



可选模型

D6 Model



O2 Model



D4 Model

HF Model

D3 Model

O2H Model

LKXX-7是一款紧凑型Type1+2交流浪涌保护器, 标称放电电流20kA, 最大放电电流50kA。采用35mm导轨安装, 具备状态指示和遥信功能, 适用于各类低压配电系统的雷电防护。

The LKXX7 is a compact Type 1+2 AC surge protection device with nominal discharge current of 20kA and maximum discharge current of 50kA. Features 35mm DIN rail mounting, status indication, and remote signaling. Suitable for lightning protection of various LV distribution systems.

- Type1+2 AC surge protection device
- Type1+2 AC浪涌保护装置
- Impulse/maximum discharge current [Iimp/Imax]: 7kA/50kA
- 脉冲/最大放电电流 [Iimp/Imax]: 7kA/50kA
- Varistor voltage limiting technology, low residual voltage design
- 压敏电阻限压技术, 低残余电压设计
- Pluggable design and internal thermal disconnection devices
- 可插拔式设计, 内置热脱扣装置
- Operating /fault indication, optional remote signal
- 运行/故障指示, 可选远程信号输出
- Conform to IEC 61643-11, EN 61643-11, GB/T 18802.11, VDE 0675-6-11
- 符合IEC 61643-11、EN 61643-11、GB/T 18802.11、VDE 0675-6-11标准

TECHNOLOGY PARAMETER / 技术参数

Model / 型号	Sym	LKXX-7-275	LKXX-7-320	LKXX-7-385	LKXX-7-440
AC Operating Voltage / 交流工作电压	[Un]	230Vac	230Vac	230Vac	230Vac
Max. Continuous Operating Voltage / 最大持续工作电压	[Uc]	275Vac	320Vac	385Vac	440Vac
TOV-5s / 暂态过电压5s	[Ut]	335Vac	335Vac	500Vac	580Vac
TOV-120min / 暂态过电压120min	[Ut]	440Vac	440Vac	650Vac	770Vac
Nominal Discharge Current [8/20us] / 标称放电电流	[In]	20kA	20kA	20kA	20kA
Max. Discharge Current [8/20us] / 最大放电电流	[Imax]	50kA	50kA	50kA	50kA
Impulse Discharge Current [10/350us] / 冲击放电电流	[Iimp]	7kA	7kA	6.25kA	6.25kA
Voltage Protection Level / 电压保护水平	[Up]	≤1.5kV	≤1.6kV	≤1.8kV	≤2.0kV
Short-circuit Current Rating / 短路耐受电流	[Iscrr]	25kA	25kA	25kA	25kA
Response Time / 响应时间	[tA]	≤25ns	≤25ns	≤25ns	≤25ns
Max. Backup Fuse / 最大后备熔断器	[I]	125A gG	125A gG	125A gG	125A gG

MECHANICAL DATA / 机械数据

Item / 项目	Description / 描述
Wiring Method / 接线方式	Screw terminal 2.5-25mm ²
Status Indication / 状态指示	Green(OK)/Red(Fault)
Remote Signal / 遥信	Optional / 可选
Installation / 安装方式	35mm DIN rail / 35mm导轨
Operating Temp. / 工作温度	-40~+85°C
Protection Level / 防护等级	IP20
Enclosure Material / 外壳材料	UL94-V0

ORDER INFORMATION / 订购信息

MODEL	PROT.MODE	Iimp	Iimp TOTAL	Up(L-PE)	Up(N-PE)	Up(L-N)
LKXX-7-275/1+0	L/N-PE	7kA	7kA	≤1.5kV	/	≤1.5kV
LKXX-7-275/2+0	L,N-PE	7kA	14kA	≤1.5kV	/	≤1.5kV
LKXX-7-275/3+0	L-PE	7kA	21kA	≤1.5kV	/	≤1.5kV
LKXX-7-275/4+0	L,N-PE	7kA	28kA	≤1.5kV	/	≤1.5kV
LKXX-7-275/1+1	L-N,N-PE	7kA	7kA	/	≤1.5kV	≤1.5kV
LKXX-7-275/3+1	L-N,N-PE	7kA	7kA	≤1.5kV	≤1.5kV	≤1.5kV
LKXX-7-320/1+0	L/N-PE	7kA	7kA	≤1.6kV	/	≤1.6kV
LKXX-7-320/2+0	L,N-PE	7kA	14kA	≤1.6kV	/	≤1.6kV
LKXX-7-320/3+0	L-PE	7kA	21kA	≤1.6kV	/	≤1.6kV
LKXX-7-320/4+0	L,N-PE	7kA	28kA	≤1.6kV	/	≤1.6kV
LKXX-7-320/1+1	L-N,N-PE	7kA	7kA	/	≤1.6kV	≤1.6kV
LKXX-7-320/3+1	L-N,N-PE	7kA	7kA	≤1.6kV	≤1.6kV	≤1.6kV
LKXX-7-385/1+0	L/N-PE	6.25kA	6.25kA	≤1.8kV	/	≤1.8kV
LKXX-7-385/2+0	L,N-PE	6.25kA	12.5kA	≤1.8kV	/	≤1.8kV
LKXX-7-385/3+0	L-PE	6.25kA	18.75kA	≤1.8kV	/	≤1.8kV
LKXX-7-385/4+0	L,N-PE	6.25kA	25kA	≤1.8kV	/	≤1.8kV
LKXX-7-385/1+1	L-N,N-PE	6.25kA	6.25kA	/	≤1.8kV	≤1.8kV
LKXX-7-385/3+1	L-N,N-PE	6.25kA	6.25kA	≤1.8kV	≤1.8kV	≤1.8kV
LKXX-7-440/1+0	L/N-PE	6.25kA	6.25kA	≤2.0kV	/	≤2.0kV
LKXX-7-440/2+0	L,N-PE	6.25kA	12.5kA	≤2.0kV	/	≤2.0kV
LKXX-7-440/3+0	L-PE	6.25kA	18.75kA	≤2.0kV	/	≤2.0kV
LKXX-7-440/4+0	L,N-PE	6.25kA	25kA	≤2.0kV	/	≤2.0kV
LKXX-7-440/1+1	L-N,N-PE	6.25kA	6.25kA	/	≤2.0kV	≤2.0kV
LKXX-7-440/3+1	L-N,N-PE	6.25kA	6.25kA	≤2.0kV	≤2.0kV	≤2.0kV

TYPE2 AC LKXX-60



可选模型

D6 Model



O2 Model



D4 Model

HF Model

D3 Model

O2H Model

LKXX-60是一款高性能Type2交流浪涌保护器,标称放电电流30kA,最大放电电流可达60kA。电压保护水平 $\leq 2.4\text{kV}$,短路耐受电流25kA,适用于配电箱和楼层配电系统的二级防护。

The LKXX-60 is a high-performance Type 2 AC surge protection device with nominal discharge current of 30kA and maximum discharge current up to 60kA. Features voltage protection level $\leq 2.4\text{kV}$, short-circuit current rating 25kA. Suitable for secondary protection in distribution panels and floor distribution systems.

- Type2 AC surge protection device
Type2交流浪涌保护装置
- Nominal maximum discharge Current [In/Imax] :30kA/60kA
标称最大放电电流 [In/Imax]: 30kA/60kA
- Varistor voltage limiting technology, low residual voltage design
采用压敏电阻限压技术,低残余电压设计
- Pluggable design and internal thermal disconnection devices
可插拔式结构,内置热脱扣装置
- Operating /fault indication,optional remote signal
具备运行/故障指示功能,可选配远程信号输出
- Conform to IEC 61643-11,EN 61643-11,GB/T 18802.11
符合IEC 61643-11、EN 61643-11、GB/T 18802.11标准

LK	XX	-	60	-	XXX	-	R
	1		2		3		4

1 Model/模型

2 Imax/最大放电电流

3 Maximum Continuous Operating Voltage/最大持续工作电压

4 Remote Signal(Optional)/远程信号 (可选)

TECHNOLOGY PARAMETER / 技术参数

Model / 型号	Sym	LKXX-60-275	LKXX-60-320	LKXX-60-385	LKXX-60-440
AC Operating Voltage / 交流工作电压	[Un]	230Vac	230Vac	230Vac	230Vac
Max. Continuous Operating Voltage / 最大持续工作电压	[Uc]	275Vac	320Vac	385Vac	440Vac
TOV-5s / 暂态过电压5s	[Ut]	335Vac	335Vac	500Vac	580Vac
TOV-120min / 暂态过电压120min	[Ut]	440Vac	440Vac	650Vac	770Vac
Nominal Discharge Current [8/20us] / 标称放电电流	[In]	30kA	30kA	30kA	30kA
Max. Discharge Current [8/20us] / 最大放电电流	[Imax]	60kA	60kA	60kA	60kA
Voltage Protection Level / 电压保护水平	[Up]	$\leq 1.8\text{kV}$	$\leq 2.0\text{kV}$	$\leq 2.2\text{kV}$	$\leq 2.4\text{kV}$
Short-circuit Current Rating / 短路耐受电流	[Iscrr]	25kA	25kA	25kA	25kA
Response Time / 响应时间	[tA]	$\leq 25\text{ns}$	$\leq 25\text{ns}$	$\leq 25\text{ns}$	$\leq 25\text{ns}$
Max. Backup Fuse / 最大后备熔断器	[I]	100A gG	100A gG	100A gG	100A gG

MECHANICAL DATA / 机械数据

Item / 项目	Description / 描述
Wiring Method / 接线方式	Screw terminal 2.5-25mm ²
Status Indication / 状态指示	Green(OK)/Red(Fault)
Remote Signal / 遥信	Optional / 可选
Installation / 安装方式	35mm DIN rail / 35mm导轨
Operating Temp. / 工作温度	-40~+85°C
Protection Level / 防护等级	IP20
Enclosure Material / 外壳材料	UL94-V0

ORDER INFORMATION / 订购信息

MODEL	PROT.MODE	Iimp	Iimp TOTAL	Up(L-PE)	Up(N-PE)	Up(L-N)
LKXX-60-275/1+0	L/N-PE	30kA	30kA	$\leq 1.8\text{kV}$	/	$\leq 1.8\text{kV}$
LKXX-60-275/2+0	L,N-PE	30kA	60kA	$\leq 1.8\text{kV}$	/	$\leq 1.8\text{kV}$
LKXX-60-275/3+0	L-PE	30kA	90kA	$\leq 1.8\text{kV}$	/	$\leq 1.8\text{kV}$
LKXX-60-275/4+0	L,N-PE	30kA	120kA	$\leq 1.8\text{kV}$	/	$\leq 1.8\text{kV}$
LKXX-60-275/1+1	L,N,N-PE	30kA	30kA	/	$\leq 1.8\text{kV}$	$\leq 1.8\text{kV}$
LKXX-60-275/3+1	L,N,N-PE	30kA	30kA	$\leq 1.8\text{kV}$	$\leq 1.8\text{kV}$	$\leq 1.8\text{kV}$
LKXX-60-320/1+0	L/N-PE	30kA	30kA	$\leq 2.0\text{kV}$	/	$\leq 2.0\text{kV}$
LKXX-60-320/2+0	L,N-PE	30kA	60kA	$\leq 2.0\text{kV}$	/	$\leq 2.0\text{kV}$
LKXX-60-320/3+0	L-PE	30kA	90kA	$\leq 2.0\text{kV}$	/	$\leq 2.0\text{kV}$
LKXX-60-320/4+0	L,N-PE	30kA	120kA	$\leq 2.0\text{kV}$	/	$\leq 2.0\text{kV}$
LKXX-60-320/1+1	L,N,N-PE	30kA	30kA	/	$\leq 2.0\text{kV}$	$\leq 2.0\text{kV}$
LKXX-60-320/3+1	L,N,N-PE	30kA	30kA	$\leq 2.0\text{kV}$	$\leq 2.0\text{kV}$	$\leq 2.0\text{kV}$
LKXX-60-385/1+0	L/N-PE	30kA	30kA	$\leq 2.2\text{kV}$	/	$\leq 2.2\text{kV}$
LKXX-60-385/2+0	L,N-PE	30kA	60kA	$\leq 2.2\text{kV}$	/	$\leq 2.2\text{kV}$
LKXX-60-385/3+0	L-PE	30kA	90kA	$\leq 2.2\text{kV}$	/	$\leq 2.2\text{kV}$
LKXX-60-385/4+0	L,N-PE	30kA	120kA	$\leq 2.2\text{kV}$	/	$\leq 2.2\text{kV}$
LKXX-60-385/1+1	L,N,N-PE	30kA	30kA	/	$\leq 2.2\text{kV}$	$\leq 2.2\text{kV}$
LKXX-60-385/3+1	L,N,N-PE	30kA	30kA	$\leq 2.2\text{kV}$	$\leq 2.2\text{kV}$	$\leq 2.2\text{kV}$
LKXX-60-440/1+0	L/N-PE	30kA	30kA	$\leq 2.4\text{kV}$	/	$\leq 2.4\text{kV}$
LKXX-60-440/2+0	L,N-PE	30kA	60kA	$\leq 2.4\text{kV}$	/	$\leq 2.4\text{kV}$
LKXX-60-440/3+0	L-PE	30kA	90kA	$\leq 2.4\text{kV}$	/	$\leq 2.4\text{kV}$
LKXX-60-440/4+0	L,N-PE	30kA	120kA	$\leq 2.4\text{kV}$	/	$\leq 2.4\text{kV}$
LKXX-60-440/1+1	L,N,N-PE	30kA	30kA	/	$\leq 2.4\text{kV}$	$\leq 2.4\text{kV}$
LKXX-60-440/3+1	L,N,N-PE	30kA	30kA	$\leq 2.4\text{kV}$	$\leq 2.4\text{kV}$	$\leq 2.4\text{kV}$

TYPE2 AC LKXX-40



可选模型

D6 Model



O2 Model



D4 Model

HF Model

D3 Model

O2H Model

LKXX-40是一款经济型Type2交流浪涌保护器,标称放电电流20kA,最大放电电流40kA。电压保护水平 $\leq 2.0\text{kV}$,具备优异的TOV耐受能力,适用于商业和工业建筑的配电系统保护。

The LKXX-40 is a cost-effective Type 2 AC surge protection device with nominal discharge current of 20kA and maximum discharge current of 40kA. Features voltage protection level $\leq 2.0\text{kV}$ and excellent TOV withstand capability. Suitable for commercial and industrial building distribution system protection.

- Type2 AC surge protection device
Type2交流浪涌保护装置
- Nominal/maximum discharge Current [In/Imax] :20kA/40kA
额定/最大放电电流 [In/Imax]: 20kA/40kA
- Varistor voltage limiting technology, low residual voltage design
压敏电阻限压技术,低残余电压设计
- Pluggable design and internal thermal disconnection devices
可插拔式设计,内置热脱扣装置
- Operating/fault indication,optional remote signal
具备运行/故障指示功能,可选远程信号输出
- Conform to IEC 61643-11,EN 61643-11,GB/T 18802.11,VDE 0675-6-11
符合IEC 61643-11、EN 61643-11、GB/T 18802.11、VDE 0675-6-11标准

LK	XX	-	40	-	XXX	-	R
	1		2		3		4

1 Model/模型

2 Imax/最大放电电流

3 Maximum Continuous Operating Voltage/最大持续工作电压

4 Remote Signal(Optional)/远程信号 (可选)

TECHNOLOGY PARAMETER / 技术参数

Model / 型号	Sym	LKXX40-275	LKXX40-320	LKXX40-385	LKXX40-440
AC Operating Voltage / 交流工作电压	[Un]	230Vac	230Vac	230Vac	230Vac
Max. Continuous Operating Voltage / 最大持续工作电压	[Uc]	275Vac	320Vac	385Vac	440Vac
TOV-5s / 暂态过电压5s	[Ut]	335Vac	335Vac	500Vac	580Vac
TOV-120min / 暂态过电压120min	[Ut]	440Vac	440Vac	650Vac	770Vac
Nominal Discharge Current [8/20us] / 标称放电电流	[In]	20kA	20kA	20kA	20kA
Max. Discharge Current [8/20us] / 最大放电电流	[Imax]	40kA	40kA	40kA	40kA
Voltage Protection Level / 电压保护水平	[Up]	$\leq 1.5\text{kV}$	$\leq 1.6\text{kV}$	$\leq 1.8\text{kV}$	$\leq 2.0\text{kV}$
Short-circuit Current Rating / 短路耐受电流	[Iscrr]	25kA	25kA	25kA	25kA
Response Time / 响应时间	[tA]	$\leq 25\text{ns}$	$\leq 25\text{ns}$	$\leq 25\text{ns}$	$\leq 25\text{ns}$
Max. Backup Fuse / 最大后备熔断器	[I]	63A gL/gG	63A gL/gG	63A gL/gG	63A gL/gG

MECHANICAL DATA / 机械数据

Item / 项目	Description / 描述
Wiring Method / 接线方式	Screw terminal 2.5-25mm ²
Status Indication / 状态指示	Green(OK)/Red(Fault)
Remote Signal / 遥信	Optional / 可选
Installation / 安装方式	35mm DIN rail / 35mm导轨
Operating Temp. / 工作温度	-40~+85°C
Protection Level / 防护等级	IP20
Enclosure Material / 外壳材料	UL94-V0

ORDER INFORMATION / 订购信息

MODEL	PROT.MODE	Iimp	Iimp TOTAL	Up(L-PE)	Up(N-PE)	Up(L-N)
LKXX40-275/1+0	L/N-PE	20kA	20kA	$\leq 1.5\text{kV}$	/	$\leq 1.5\text{kV}$
LKXX40-275/2+0	L,N-PE	20kA	40kA	$\leq 1.5\text{kV}$	/	$\leq 1.5\text{kV}$
LKXX40-275/3+0	L-PE	20kA	60kA	$\leq 1.5\text{kV}$	/	$\leq 1.5\text{kV}$
LKXX40-275/4+0	L,N-PE	20kA	80kA	$\leq 1.5\text{kV}$	/	$\leq 1.5\text{kV}$
LKXX40-275/1+1	L,N,N-PE	20kA	20kA	/	$\leq 1.5\text{kV}$	$\leq 1.5\text{kV}$
LKXX40-275/3+1	L,N,N-PE	20kA	20kA	$\leq 1.5\text{kV}$	$\leq 1.5\text{kV}$	$\leq 1.5\text{kV}$
LKXX40-320/1+0	L/N-PE	20kA	20kA	$\leq 1.6\text{kV}$	/	$\leq 1.6\text{kV}$
LKXX40-320/2+0	L,N-PE	20kA	40kA	$\leq 1.6\text{kV}$	/	$\leq 1.6\text{kV}$
LKXX40-320/3+0	L-PE	20kA	60kA	$\leq 1.6\text{kV}$	/	$\leq 1.6\text{kV}$
LKXX40-320/4+0	L,N-PE	20kA	80kA	$\leq 1.6\text{kV}$	/	$\leq 1.6\text{kV}$
LKXX40-320/1+1	L,N,N-PE	20kA	20kA	/	$\leq 1.6\text{kV}$	$\leq 1.6\text{kV}$
LKXX40-320/3+1	L,N,N-PE	20kA	20kA	$\leq 1.6\text{kV}$	$\leq 1.6\text{kV}$	$\leq 1.6\text{kV}$
LKXX40-385/1+0	L/N-PE	20kA	20kA	$\leq 1.8\text{kV}$	/	$\leq 1.8\text{kV}$
LKXX40-385/2+0	L,N-PE	20kA	40kA	$\leq 1.8\text{kV}$	/	$\leq 1.8\text{kV}$
LKXX40-385/3+0	L-PE	20kA	60kA	$\leq 1.8\text{kV}$	/	$\leq 1.8\text{kV}$
LKXX40-385/4+0	L,N-PE	20kA	80kA	$\leq 1.8\text{kV}$	/	$\leq 1.8\text{kV}$
LKXX40-385/1+1	L,N,N-PE	20kA	20kA	/	$\leq 1.8\text{kV}$	$\leq 1.8\text{kV}$
LKXX40-385/3+1	L,N,N-PE	20kA	20kA	$\leq 1.8\text{kV}$	$\leq 1.8\text{kV}$	$\leq 1.8\text{kV}$
LKXX40-440/1+0	L/N-PE	20kA	20kA	$\leq 2.0\text{kV}$	/	$\leq 2.0\text{kV}$
LKXX40-440/2+0	L,N-PE	20kA	40kA	$\leq 2.0\text{kV}$	/	$\leq 2.0\text{kV}$
LKXX40-440/3+0	L-PE	20kA	60kA	$\leq 2.0\text{kV}$	/	$\leq 2.0\text{kV}$
LKXX40-440/4+0	L,N-PE	20kA	80kA	$\leq 2.0\text{kV}$	/	$\leq 2.0\text{kV}$
LKXX40-440/1+1	L,N,N-PE	20kA	20kA	/	$\leq 2.0\text{kV}$	$\leq 2.0\text{kV}$
LKXX40-440/3+1	L,N,N-PE	20kA	20kA	$\leq 2.0\text{kV}$	$\leq 2.0\text{kV}$	$\leq 2.0\text{kV}$

TYPE2+3 AC LKXX-20



可选模型

D6 Model



O2 Model



D4 Model

HF Model

D3 Model



O2H Model

LKXX-20是一款精密型Type2+3交流浪涌保护器,标称放电电流10kA,最大放电电流20kA。电压保护水平 $\leq 1.6\text{kV}$,响应时间 $\leq 25\text{ns}$,适用于敏感电子设备的末端精细保护。

The LKXX-20 is a precision Type 2+3 AC surge protection device with nominal discharge current of 10kA and maximum discharge current of 20kA. Features voltage protection level $\leq 1.6\text{kV}$ and response time $\leq 25\text{ns}$. Suitable for fine protection of sensitive electronic equipment at the end.

- Type2+3 AC surge protection device
Type2+3交流浪涌保护装置
- Nominal/maximum discharge Current [In/Imax]:10kA/20kA
额定/最大放电电流 [In/Imax]: 10kA/20kA
- Varistor voltage limiting technology, low residual voltage design
压敏电阻限压技术, 低残余电压设计
- Pluggable design and internal thermal disconnection devices
可插拔式设计, 内置热脱扣装置
- Operating /fault indication,optional remote signal
具备运行/故障指示功能, 可选远程信号输出
- Conform to IEC 61643-11,EN 61643-11,GB/T 18802.11
符合IEC 61643-11、EN 61643-11、GB/T 18802.11标准

LK XX - 20 - XXX - R
1 2 3 4

1 Model/模型

2 Imax/最大放电电流

3 Maximum Continuous Operating Voltage/最大持续工作电压

4 Remote Signal(Optional)/远程信号 (可选)

TECHNOLOGY PARAMETER / 技术参数

Model / 型号	Sym	LKXX20-275	LKXX20-320	LKXX20-385	LKXX20-420
AC Operating Voltage / 交流工作电压	[Un]	230Vac	230Vac	230Vac	230Vac
Max. Continuous Operating Voltage / 最大持续工作电压	[Uc]	275Vac	320Vac	385Vac	420Vac
TOV-5s / 暂态过电压5s	[Ut]	335Vac	335Vac	500Vac	580Vac
TOV-120min / 暂态过电压120min	[Ut]	440Vac	440Vac	650Vac	770Vac
Nominal Discharge Current [8/20us] / 标称放电电流	[In]	10kA	10kA	10kA	10kA
Max. Discharge Current [8/20us] / 最大放电电流	[Imax]	20kA	20kA	20kA	20kA
Open Circuit Voltage / 开路电压	[Uoc]	6kV	6kV	6kV	6kV
Voltage Protection Level / 电压保护水平	[Up]	$\leq 1.2\text{kV}$	$\leq 1.3\text{kV}$	$\leq 1.5\text{kV}$	$\leq 1.6\text{kV}$
Short-circuit Current Rating / 短路耐受电流	[Iscrr]	25kA	25kA	25kA	25kA
Response Time / 响应时间	[tA]	$\leq 25\text{ns}$	$\leq 25\text{ns}$	$\leq 25\text{ns}$	$\leq 25\text{ns}$
Max. Backup Fuse / 最大后备熔断器	[I]	32A gG	32A gG	32A gG	32A gG

MECHANICAL DATA / 机械数据

Item / 项目	Description / 描述
Wiring Method / 接线方式	Screw terminal 2.5-25mm ²
Status Indication / 状态指示	Green(OK)/Red(Fault)
Remote Signal / 通信	Optional / 可选
Installation / 安装方式	35mm DIN rail / 35mm导轨
Operating Temp. / 工作温度	-40~+85°C
Protection Level / 防护等级	IP20
Enclosure Material / 外壳材料	UL94-V0

ORDER INFORMATION / 订购信息

MODEL	PROT.MODE	Iimp	Iimp TOTAL	Up(L-PE)	Up(N-PE)	Up(L-N)
LKXX20-275/1+0	L/N-PE	10kA	10kA	$\leq 1.2\text{kV}$	/	$\leq 1.2\text{kV}$
LKXX20-275/2+0	L,N-PE	10kA	20kA	$\leq 1.2\text{kV}$	/	$\leq 1.2\text{kV}$
LKXX20-275/3+0	L-PE	10kA	30kA	$\leq 1.2\text{kV}$	/	$\leq 1.2\text{kV}$
LKXX20-275/4+0	L,N-PE	10kA	40kA	$\leq 1.2\text{kV}$	/	$\leq 1.2\text{kV}$
LKXX20-275/1+1	L-N,N-PE	10kA	10kA	/	$\leq 1.2\text{kV}$	$\leq 1.2\text{kV}$
LKXX20-275/3+1	L-N,N-PE	10kA	10kA	$\leq 1.2\text{kV}$	$\leq 1.2\text{kV}$	$\leq 1.2\text{kV}$
LKXX20-320/1+0	L/N-PE	10kA	10kA	$\leq 1.3\text{kV}$	/	$\leq 1.3\text{kV}$
LKXX20-320/2+0	L,N-PE	10kA	20kA	$\leq 1.3\text{kV}$	/	$\leq 1.3\text{kV}$
LKXX20-320/3+0	L-PE	10kA	30kA	$\leq 1.3\text{kV}$	/	$\leq 1.3\text{kV}$
LKXX20-320/4+0	L,N-PE	10kA	40kA	$\leq 1.3\text{kV}$	/	$\leq 1.3\text{kV}$
LKXX20-320/1+1	L-N,N-PE	10kA	10kA	/	$\leq 1.3\text{kV}$	$\leq 1.3\text{kV}$
LKXX20-320/3+1	L-N,N-PE	10kA	10kA	$\leq 1.3\text{kV}$	$\leq 1.3\text{kV}$	$\leq 1.3\text{kV}$
LKXX20-385/1+0	L/N-PE	10kA	10kA	$\leq 1.5\text{kV}$	/	$\leq 1.5\text{kV}$
LKXX20-385/2+0	L,N-PE	10kA	20kA	$\leq 1.5\text{kV}$	/	$\leq 1.5\text{kV}$
LKXX20-385/3+0	L-PE	10kA	30kA	$\leq 1.5\text{kV}$	/	$\leq 1.5\text{kV}$
LKXX20-385/4+0	L,N-PE	10kA	40kA	$\leq 1.5\text{kV}$	/	$\leq 1.5\text{kV}$
LKXX20-385/1+1	L-N,N-PE	10kA	10kA	/	$\leq 1.5\text{kV}$	$\leq 1.5\text{kV}$
LKXX20-385/3+1	L-N,N-PE	10kA	10kA	$\leq 1.5\text{kV}$	$\leq 1.5\text{kV}$	$\leq 1.5\text{kV}$
LKXX20-420/1+0	L/N-PE	10kA	10kA	$\leq 1.6\text{kV}$	/	$\leq 1.6\text{kV}$
LKXX20-420/2+0	L,N-PE	10kA	20kA	$\leq 1.6\text{kV}$	/	$\leq 1.6\text{kV}$
LKXX20-420/3+0	L-PE	10kA	30kA	$\leq 1.6\text{kV}$	/	$\leq 1.6\text{kV}$
LKXX20-420/4+0	L,N-PE	10kA	40kA	$\leq 1.6\text{kV}$	/	$\leq 1.6\text{kV}$
LKXX20-420/1+1	L-N,N-PE	10kA	10kA	/	$\leq 1.6\text{kV}$	$\leq 1.6\text{kV}$
LKXX20-420/3+1	L-N,N-PE	10kA	10kA	$\leq 1.6\text{kV}$	$\leq 1.6\text{kV}$	$\leq 1.6\text{kV}$

TYPE2 AC LKXX-80



可选模型

D6 Model

D4 Model

D3 Model

O2 Model

HF Model

O2H Model

LKXX-80是一款大流量Type2交流浪涌保护器,标称放电电流40kA,最大放电电流80kA,电压保护水平 $\leq 1.8\text{kV}$,响应时间 $\leq 25\text{ns}$,适用于建筑物配电系统第二级雷电防护。

The LKXX-80 is a high-capacity Type 2 AC surge protection device with nominal discharge current of 40kA and maximum discharge current of 80kA. Features voltage protection level $\leq 1.8\text{kV}$ and response time $\leq 25\text{ns}$. Suitable for secondary lightning protection in building distribution systems.

- Type2 AC surge protection device
Type2交流浪涌保护装置
- Nominal/maximum discharge current [In/Imax]: 40kA/80kA
额定/最大放电电流 [In/Imax]: 40kA/80kA
- Varistor voltage limiting technology, low residual voltage design
压敏电阻限压技术,低残余电压设计
- Pluggable design and internal thermal disconnection devices
可插拔式设计,内置热脱扣装置
- Operating/fault indication, optional remote signal
具备运行/故障指示功能,可选远程信号输出
- Conform to IEC 61643-11, EN 61643-11, GB/T 18802.11
符合IEC 61643-11、EN 61643-11、GB/T 18802.11标准

LK	XX	-	80	-	XXX	-	R
	1		2		3		4

1 Model/模型

2 Imax/最大放电电流

3 Maximum Continuous Operating Voltage/最大持续工作电压

4 Remote Signal(Optional)/远程信号 (可选)

TECHNOLOGY PARAMETER / 技术参数

Model / 型号	Sym	LKXX80-275	LKXX80-320	LKXX80-385	LKXX80-440
AC Operating Voltage / 交流工作电压	[Un]	230Vac	230Vac	230Vac	230Vac
Max. Continuous Operating Voltage / 最大持续工作电压	[Uc]	275Vac	320Vac	385Vac	440Vac
TOV-5s / 暂态过电压5s	[Ut]	335Vac	335Vac	500Vac	580Vac
TOV-120min / 暂态过电压120min	[Ut]	440Vac	440Vac	650Vac	770Vac
Nominal Discharge Current [8/20us] / 标称放电电流	[In]	40kA	40kA	40kA	40kA
Max. Discharge Current [8/20us] / 最大放电电流	[Imax]	80kA	80kA	80kA	80kA
Voltage Protection Level / 电压保护水平	[Up]	$\leq 1.8\text{kV}$	$\leq 2.0\text{kV}$	$\leq 2.1\text{kV}$	$\leq 2.5\text{kV}$
Short-circuit Current Rating / 短路耐受电流	[Iscrr]	25kA	25kA	25kA	25kA
Response Time / 响应时间	[tA]	$\leq 25\text{ns}$	$\leq 25\text{ns}$	$\leq 25\text{ns}$	$\leq 25\text{ns}$
Max. Backup Fuse / 最大后备熔断器	[I]	125A gG	125A gG	125A gG	125A gG

MECHANICAL DATA / 机械数据

Item / 项目	Description / 描述
Wiring Method / 接线方式	Screw terminal 2.5-25mm ²
Status Indication / 状态指示	Green(OK)/Red(Fault)
Remote Signal / 遥信	Optional / 可选
Installation / 安装方式	35mm DIN rail / 35mm导轨
Operating Temp. / 工作温度	-40~+85°C
Protection Level / 防护等级	IP20
Enclosure Material / 外壳材料	UL94-V0

ORDER INFORMATION / 订购信息

MODEL	PROT.MODE	Iimp	Iimp TOTAL	Up(L-PE)	Up(N-PE)	Up(L-N)
LKXX80-275/1+0	L/N→PE	40kA	40kA	$\leq 1.8\text{kV}$	/	$\leq 1.8\text{kV}$
LKXX80-275/2+0	L,N→PE	40kA	80kA	$\leq 1.8\text{kV}$	/	$\leq 1.8\text{kV}$
LKXX80-275/3+0	L→PE	40kA	120kA	$\leq 1.8\text{kV}$	/	$\leq 1.8\text{kV}$
LKXX80-275/4+0	L,N→PE	40kA	160kA	$\leq 1.8\text{kV}$	/	$\leq 1.8\text{kV}$
LKXX80-275/1+1	L→N,N→PE	40kA	40kA	/	$\leq 1.8\text{kV}$	$\leq 1.8\text{kV}$
LKXX80-275/3+1	L→N,N→PE	40kA	40kA	$\leq 1.8\text{kV}$	$\leq 1.8\text{kV}$	$\leq 1.8\text{kV}$
LKXX80-320/1+0	L/N→PE	40kA	40kA	$\leq 2.0\text{kV}$	/	$\leq 2.0\text{kV}$
LKXX80-320/2+0	L,N→PE	40kA	80kA	$\leq 2.0\text{kV}$	/	$\leq 2.0\text{kV}$
LKXX80-320/3+0	L→PE	40kA	120kA	$\leq 2.0\text{kV}$	/	$\leq 2.0\text{kV}$
LKXX80-320/4+0	L,N→PE	40kA	160kA	$\leq 2.0\text{kV}$	/	$\leq 2.0\text{kV}$
LKXX80-320/1+1	L→N,N→PE	40kA	40kA	/	$\leq 2.0\text{kV}$	$\leq 2.0\text{kV}$
LKXX80-320/3+1	L→N,N→PE	40kA	40kA	$\leq 2.0\text{kV}$	$\leq 2.0\text{kV}$	$\leq 2.0\text{kV}$
LKXX80-385/1+0	L/N→PE	40kA	40kA	$\leq 2.1\text{kV}$	/	$\leq 2.1\text{kV}$
LKXX80-385/2+0	L,N→PE	40kA	80kA	$\leq 2.1\text{kV}$	/	$\leq 2.1\text{kV}$
LKXX80-385/3+0	L→PE	40kA	120kA	$\leq 2.1\text{kV}$	/	$\leq 2.1\text{kV}$
LKXX80-385/4+0	L,N→PE	40kA	160kA	$\leq 2.1\text{kV}$	/	$\leq 2.1\text{kV}$
LKXX80-385/1+1	L→N,N→PE	40kA	40kA	/	$\leq 2.1\text{kV}$	$\leq 2.1\text{kV}$
LKXX80-385/3+1	L→N,N→PE	40kA	40kA	$\leq 2.1\text{kV}$	$\leq 2.1\text{kV}$	$\leq 2.1\text{kV}$
LKXX80-440/1+0	L/N→PE	40kA	40kA	$\leq 2.5\text{kV}$	/	$\leq 2.5\text{kV}$
LKXX80-440/2+0	L,N→PE	40kA	80kA	$\leq 2.5\text{kV}$	/	$\leq 2.5\text{kV}$
LKXX80-440/3+0	L→PE	40kA	120kA	$\leq 2.5\text{kV}$	/	$\leq 2.5\text{kV}$
LKXX80-440/4+0	L,N→PE	40kA	160kA	$\leq 2.5\text{kV}$	/	$\leq 2.5\text{kV}$
LKXX80-440/1+1	L→N,N→PE	40kA	40kA	/	$\leq 2.5\text{kV}$	$\leq 2.5\text{kV}$
LKXX80-440/3+1	L→N,N→PE	40kA	40kA	$\leq 2.5\text{kV}$	$\leq 2.5\text{kV}$	$\leq 2.5\text{kV}$

TYPE1 AC LKXX-25



可选模型

D6 Model

D4 Model

D3 Model

O2 Model

HF Model

O2H Model

LKXX-25系列采用多层石墨间隙技术,属于电压开关型浪涌保护器,通过Type1分类试验。具有无续流、无电弧外泄、通流量大、残压低、热稳定性好等优势,多次雷击后无性能劣化。

The LKXX-25 series adopts multi-layer graphite gap technology, a voltage-switch type SPD designed for Type1 test class. It features no follow current, no arc leakage, high discharge capacity, low residual voltage, and excellent thermal stability.

- Features: No follow current
无续流
- No arc leakage
无电弧外泄
- High impulse current 25kA(10/350us)
高冲击电流25kA(10/350μs)
- Low Up ≤2.0kV
低残压Up≤2.0kV
- Strong environmental adaptability
环境适应性强
- No degradation after repeated strikes
多次雷击无劣化

TECHNOLOGY PARAMETER / 技术参数

Model / 型号	Sym	LKXX25-275	LKXX25-320	LKXX25-385	LKXX25-440
AC Operating Voltage / 交流工作电压	[Un]	230Vac	230Vac	230Vac	230Vac
Maximum Continuous Operating Voltage / 最大持续工作电压	[Uc]	275Vac	320Vac	385Vac	440Vac
TOV-5s [Tolerance] / 暂态过电压5s	[Ut]	335Vac	335Vac	500Vac	580Vac
TOV-120min [Disconnection] / 暂态过电压120min	[Ut]	440Vac	440Vac	650Vac	770Vac
Nominal Discharge Current [8/20us] / 标称放电电流	[In]	25kA	25kA	25kA	25kA
Lightning Impulse Current [10/350us] / 冲击放电电流	[Iimp]	25kA	25kA	25kA	25kA
Voltage Protection Level / 电压保护水平	[Up]	≤2.0kV	≤2.0kV	≤2.0kV	≤2.0kV
Short-circuit Current Rating / 短路耐受电流	[Iscrr]	25kA	25kA	25kA	25kA
Heat Tripping Device / 热脱扣装置	[]	Insertion	Insertion	Insertion	Insertion
Max. Backup Fuse / 最大后备熔断器	[]	315A gG Fuse	315A gG Fuse	315A gG Fuse	315A gG Fuse

MECHANICAL DATA / 机械数据

Item / 项目	Description / 描述
Product Size / 产品尺寸	see the photo as below / 见下图
Wiring Method / 接线方式	Screw terminal 2.5-25mm ²
Normal/Fault Display / 状态指示	Unavailable / 无
Max Remote Signal Load / 最大遥信负载	250V/0.5A[AC], 30V/3A[DC]
Max Cross-section of Remote Signal / 遥信最大截面积	1.5mm ²
Installation / 安装方式	35mm DIN Rail / 35mm导轨
Operating Temp. / 工作温度	-40~+85°C
Protection Level / 防护等级	IP20
Enclosure Material / 外壳材料	Thermoplastic, UL94-V0 / 热塑性材料, UL94-V0

ORDER INFORMATION / 订购信息

MODEL	PROT.MODE	Iimp	Iimp TOTAL	Up(L-PE)	Up(N-PE)	Up(L-N)
LKXX25-275/1+0	L/N→PE	25kA	25kA	≤2.0kV	/	≤2.0kV
LKXX25-275/2+0	L,N→PE	25kA	50kA	≤2.0kV	/	≤2.0kV
LKXX25-275/3+0	L→PE	25kA	75kA	≤2.0kV	/	≤2.0kV
LKXX25-275/4+0	L,N→PE	25kA	100kA	≤2.0kV	/	≤2.0kV
LKXX25-275/1+1	L→N,N→PE	25kA	25kA	/	≤2.0kV	≤2.0kV
LKXX25-275/3+1	L→N,N→PE	25kA	25kA	≤2.0kV	≤2.0kV	≤2.0kV
LKXX25-320/1+0	L/N→PE	25kA	25kA	≤2.0kV	/	≤2.0kV
LKXX25-320/2+0	L,N→PE	25kA	50kA	≤2.0kV	/	≤2.0kV
LKXX25-320/3+0	L→PE	25kA	75kA	≤2.0kV	/	≤2.0kV
LKXX25-320/4+0	L,N→PE	25kA	100kA	≤2.0kV	/	≤2.0kV
LKXX25-320/1+1	L→N,N→PE	25kA	25kA	/	≤2.0kV	≤2.0kV
LKXX25-320/3+1	L→N,N→PE	25kA	25kA	≤2.0kV	≤2.0kV	≤2.0kV
LKXX25-385/1+0	L/N→PE	25kA	25kA	≤2.0kV	/	≤2.0kV
LKXX25-385/2+0	L,N→PE	25kA	50kA	≤2.0kV	/	≤2.0kV
LKXX25-385/3+0	L→PE	25kA	75kA	≤2.0kV	/	≤2.0kV
LKXX25-385/4+0	L,N→PE	25kA	100kA	≤2.0kV	/	≤2.0kV
LKXX25-385/1+1	L→N,N→PE	25kA	25kA	/	≤2.0kV	≤2.0kV
LKXX25-385/3+1	L→N,N→PE	25kA	25kA	≤2.0kV	≤2.0kV	≤2.0kV
LKXX25-440/1+0	L/N→PE	25kA	25kA	≤2.0kV	/	≤2.0kV
LKXX25-440/2+0	L,N→PE	25kA	50kA	≤2.0kV	/	≤2.0kV
LKXX25-440/3+0	L→PE	25kA	75kA	≤2.0kV	/	≤2.0kV
LKXX25-440/4+0	L,N→PE	25kA	100kA	≤2.0kV	/	≤2.0kV
LKXX25-440/1+1	L→N,N→PE	25kA	25kA	/	≤2.0kV	≤2.0kV
LKXX25-440/3+1	L→N,N→PE	25kA	25kA	≤2.0kV	≤2.0kV	≤2.0kV

交流浪涌保护器接线方式及原理图

Wiring mode and schematic diagram of AC SPD

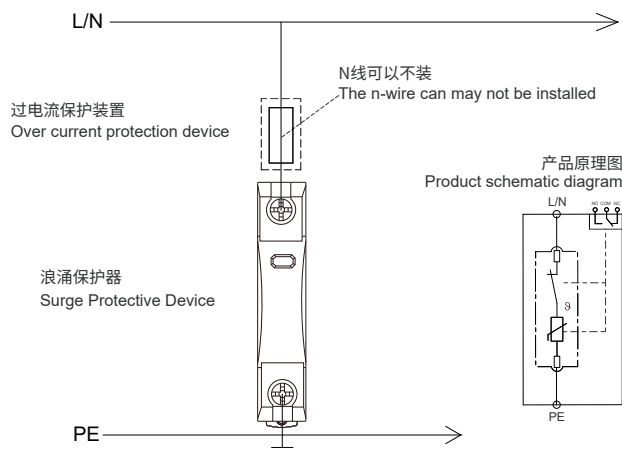


图1: 电源TN-C IT (带N线) 系统1P模块接线方式

Figure 1: Power Supply TN-C IT (with n-line) System 1P module wiring mode

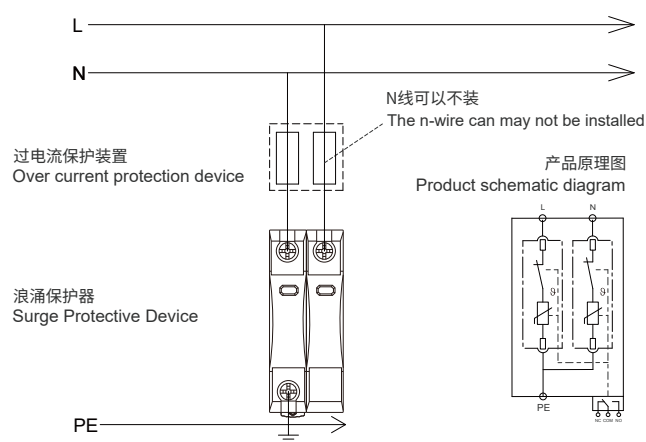


Figure 2: Single-phase power supply TN-S TN-C-S (RCD) after the TT IT (N-wire) 2P module wiring

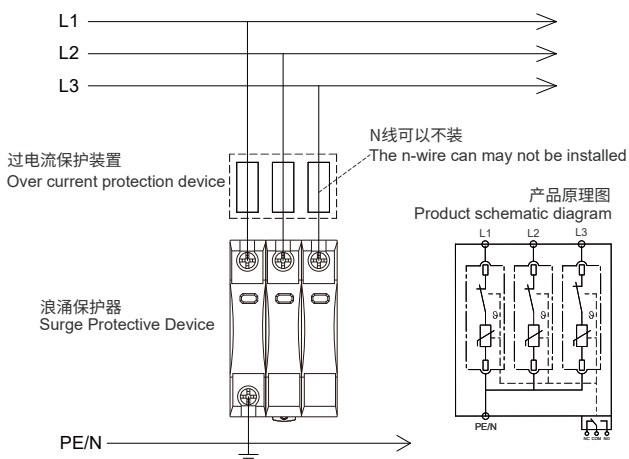


Figure 3: Single-phase power supply TN-S TN-C-S (RCD) after the TT IT (N-wire) 3P module wiring

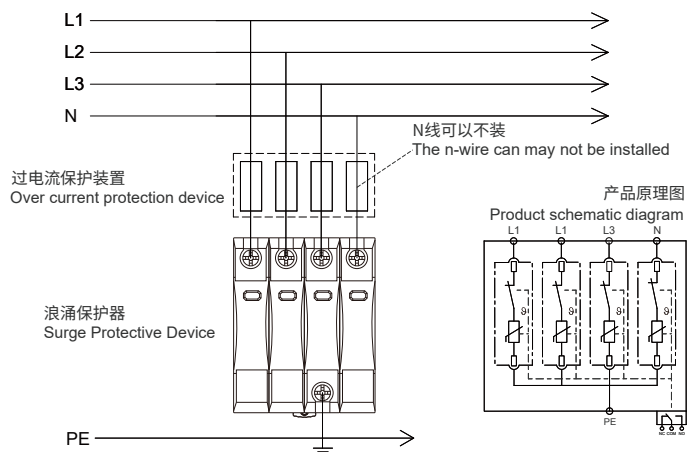


Figure 3: Single-phase power supply TN-S TN-C-S (RCD) after the TT IT (N-wire) 4P module wiring

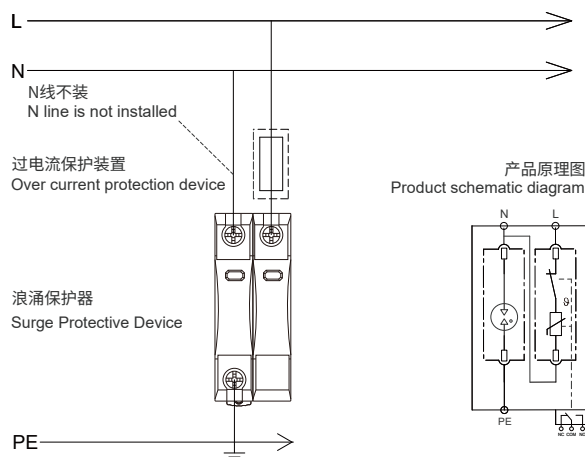


Figure 4: single-phase power supply (RCD) before TT IT (with N-line) 1 + N-PE module wiring mode

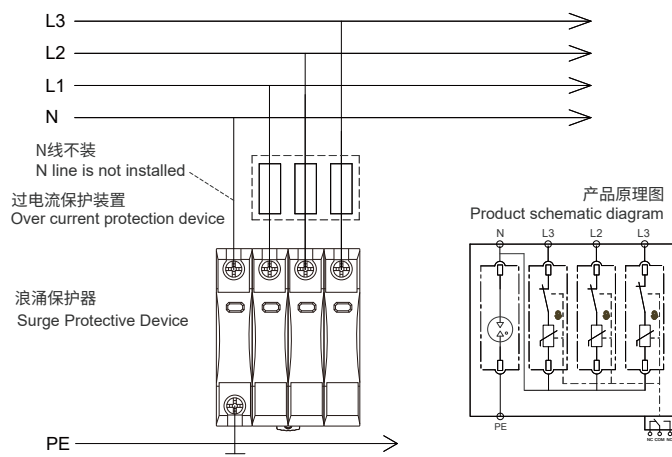
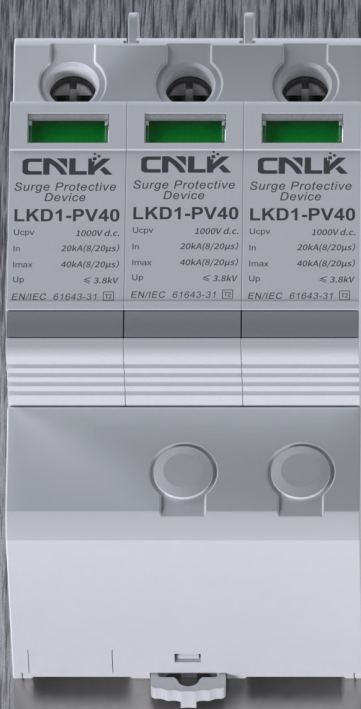


Figure 4: single-phase power supply (RCD) before TT IT (with N-line) 3 + N-PE module wiring mode

DC Surge Protective Devices

直流浪涌保护器



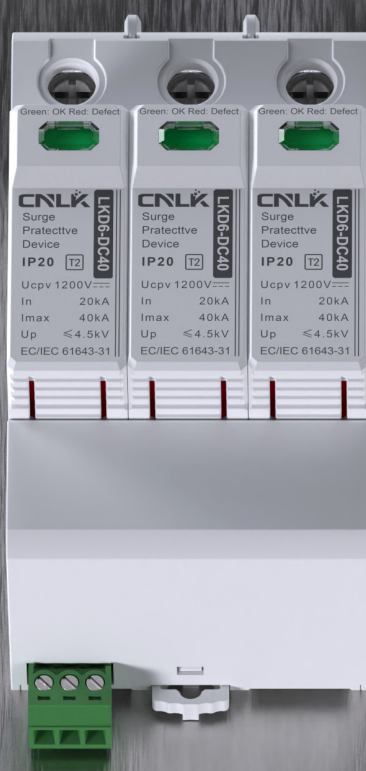
D1 Model



D3 Model



D4 Model

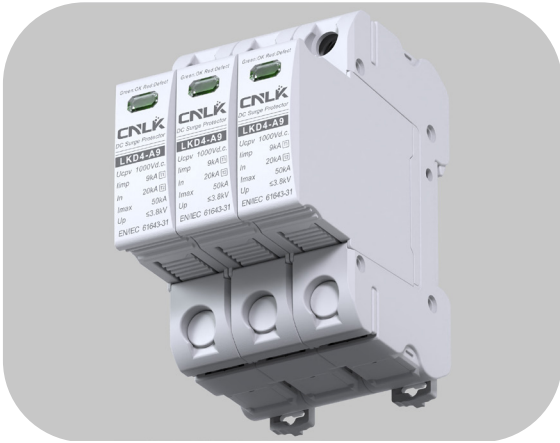


D6 Model



D8 Model

TYPE1+2 DC LKD4-9



可选模型

D1 Model

D3 Model

D4 Model



D6 Model

D8 Model

LKXX9系列采用压敏电阻(MOV)技术,适用于Type1+2直流浪涌保护,专为光伏系统及直流配电系统设计。提供600Vdc至1500Vdc多款型号,冲击电流最大12.5kA(10/350μs)。

The LKXX9 series adopts MOV technology for Type1+2 DC surge protection, designed for photovoltaic systems and DC power distribution. Available in 600Vdc to 1500Vdc models with impulse current up to 12.5kA (10/350us).

- Type 1+2 DC surge protection device
T1+T2型直流浪涌保护装置
- Impulse/maximum discharge current [Iimp/ Imax]:12.5kA / 50kA
脉冲/最大放电电流 [Iimp/Imax]: 9kA / 50kA
- Varistor voltage limiting technology, low residual voltage design
压敏电阻限压技术,低残余电压设计
- Pluggable design and internal thermal disconnection devices
可插拔式结构,内置热脱扣装置
- Operating /fault indication,optional remote signal
具备运行/故障指示功能,可选远程信号输出
- Conform to IEC 61643-31,EN 61643-31,GB/T 18802.31
符合IEC 61643-31、EN 61643-31、GB/T 18802.31标准

LK	XX	-	9	-	XXX	-	R
	1		2		3		4

1 Model/模型

2 Iimp/冲击放电电流

3 Maximum Continuous Operating Voltage/最大持续工作电压

4 Remote Signal(Optional)/远程信号 (可选)

TECHNOLOGY PARAMETER / 技术参数

Model / 型号	Sym	LKXX9-DC600	LKXX9-DC800	LKXX9-DC1000	LKXX9-DC1200	LKXX9-DC1500
DC Max. Continuous Operating Voltage / 直流最大持续工作电压	[Ucpv]	600Vdc	800Vdc	1000Vdc	1200Vdc	1500Vdc
Nominal Discharge Current [8/20us] / 标称放电电流	[In]	20kA	20kA	20kA	20kA	20kA
Max. Discharge Current [8/20us] / 最大放电电流	[Imax]	50kA	50kA	50kA	50kA	50kA
Impulse Discharge Current [10/350us] / 冲击放电电流	[Iimp]	12.5kA	12.5kA	9kA	6.25kA	6.25kA
Total Discharge Current [10/350us] / 总放电电流	[Itotal]	25kA	25kA	18kA	12.5kA	12.5kA
Voltage Protection Level / 电压保护水平	[Up]	≤2.6kV	≤3.2kV	≤3.8kV	≤4.5kV	≤5.2kV
Short-circuit Current Rating / 短路耐受电流	[Iscpv]	10kA	10kA	10kA	10kA	10kA
Response Time / 响应时间	[tA]	≤25ns	≤25ns	≤25ns	≤25ns	≤25ns
Max. Backup Fuse / 最大后备熔断器	[I]	125A~160A gPV	125A~160A gPV	125A~160A gPV	125A~160A gPV	125A~160A gPV

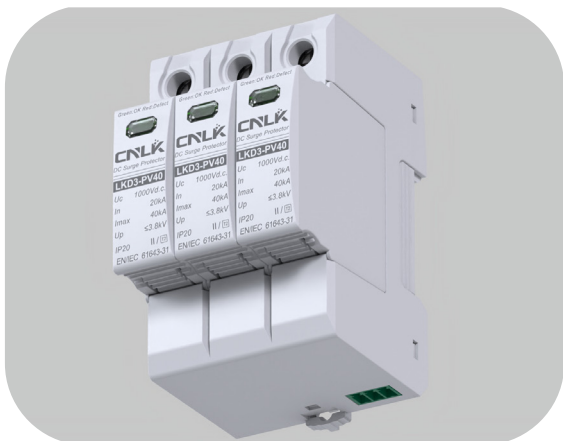
MECHANICAL DATA / 机械数据

Item / 项目	Description / 描述
Wiring Method / 接线方式	Screw terminal 2.5-25mm ²
Status Indication / 状态指示	Green(OK)/Red(Fault)
Remote Signal / 遥信	Optional / 可选
Installation / 安装方式	35mm DIN rail / 35mm导轨
Operating Temp. / 工作温度	-40~+85°C
Protection Level / 防护等级	IP20
Enclosure Material / 外壳材料	UL94-V0

ORDER INFORMATION / 订购信息

MODEL	PROT.MODE	Iimp	Iimp TOTAL	Up(L-PE)	Up(N-PE)	Up(L-N)
LKXX9-DC600/3+0	+/-→PE	12.5kA	25kA	≤2.6kV	/	/
LKXX9-DC800/3+0	+/-→PE	12.5kA	25kA	≤3.2kV	/	/
LKXX9-DC1000/3+0	+/-→PE	9kA	18kA	≤3.8kV	/	/
LKXX9-DC1200/3+0	+/-→PE	6.25kA	12.5kA	≤4.5kV	/	/
LKXX9-DC1500/3+0	+/-→PE	6.25kA	12.5kA	≤5.2kV	/	/

TYPE1+2 DC LKXX-6.25



可选模型

D1 Model



D6 Model



D3 Model



D8 Model



D4 Model

LKXX6.25系列采用压敏电阻(MOV)技术,适用于Type1+2直流浪涌保护,专为分布式光伏及中小型直流供电系统设计。紧凑型结构,冲击电流最大6.25kA(10/350μs),提供600Vdc至1500Vdc多款型号。

The LKXX6.25 series adopts MOV technology for Type1+2 DC surge protection, ideal for distributed photovoltaic systems and small-scale DC power applications. Compact design with impulse current up to 6.25kA (10/350us), available in 600Vdc to 1500Vdc models.

- Type 1+2 DC surge protection device
T1+T2型直流浪涌保护装置
- Impulse/maximum discharge current [Iimp/ Imax]:6.25kA / 50kA
脉冲/最大放电电流 [Iimp/Imax]: 6.25kA / 50kA
- Varistor voltage limiting technology, low residual voltage design
压敏电阻限压技术,低残余电压设计
- Pluggable design and internal thermal disconnection devices
可插拔式结构,内置热脱扣装置
- Operating /fault indication,optional remote signal
具备运行/故障指示功能,可选远程信号输出
- Conform to IEC 61643-31,EN 61643-31,GB/T 18802.31
符合IEC 61643-31、EN 61643-31、GB/T 18802.31标准

LK	XX	-	6.25	-	XXX	-	R
	1		2		3		4

1 Model/模型

2 Iimp/冲击放电电流

3 Maximum Continuous Operating Voltage/最大持续工作电压

4 Remote Signal(Optional)/远程信号 (可选)

TECHNOLOGY PARAMETER / 技术参数

Model / 型号	Sym	LKXX6.25-DC600	LKXX6.25-DC800	LKXX6.25-DC1000	LKXX6.25-DC1200	LKXX6.25-DC1500
DC Max. Continuous Operating Voltage / 直流最大持续工作电压	[Ucpv]	600Vdc	800Vdc	1000Vdc	1200Vdc	1500Vdc
Nominal Discharge Current [8/20us] / 标称放电电流	[In]	20kA	20kA	20kA	20kA	20kA
Max. Discharge Current [8/20us] / 最大放电电流	[Imax]	50kA	50kA	50kA	50kA	50kA
Impulse Discharge Current [10/350us] / 冲击放电电流	[Iimp]	6.25kA	6.25kA	6.25kA	5kA	3kA
Total Discharge Current [10/350us] / 总放电电流	[Itotal]	12.5kA	12.5kA	12.5kA	10kA	6kA
Voltage Protection Level / 电压保护水平	[Up]	≤2.6kV	≤3.2kV	≤3.8kV	≤4.5kV	≤5.2kV
Short-circuit Current Rating / 短路耐受电流	[Iscpv]	10kA	10kA	10kA	10kA	10kA
Response Time / 响应时间	[tA]	≤25ns	≤25ns	≤25ns	≤25ns	≤25ns
Max. Backup Fuse / 最大后备熔断器	[I]	125A gPV	125A gPV	125A gPV	125A gPV	125A gPV

MECHANICAL DATA / 机械数据

Item / 项目	Description / 描述
Wiring Method / 接线方式	Screw terminal 2.5-25mm ²
Status Indication / 状态指示	Green(OK)/Red(Fault)
Remote Signal / 遥信	Optional / 可选
Installation / 安装方式	35mm DIN rail / 35mm导轨
Operating Temp. / 工作温度	-40~+85°C
Protection Level / 防护等级	IP20
Enclosure Material / 外壳材料	UL94-V0

ORDER INFORMATION / 订购信息

MODEL	PROT.MODE	Iimp	Iimp TOTAL	Up(L-PE)	Up(N-PE)	Up(L-N)
LKXX6.25-DC600/3+0	+/-→PE	6.25kA	12.5kA	≤2.6kV	/	/
LKXX6.25-DC800/3+0	+/-→PE	6.25kA	12.5kA	≤3.2kV	/	/
LKXX6.25-DC1000/3+0	+/-→PE	6.25kA	12.5kA	≤3.8kV	/	/
LKXX6.25-DC1200/3+0	+/-→PE	5kA	10kA	≤4.5kV	/	/
LKXX6.25-DC1500/3+0	+/-→PE	3kA	6kA	≤5.2kV	/	/

TYPE2 DC LKXX-40 2+0



可选模型

D1 Model



D6 Model



D3 Model



D8 Model



D4 Model

LKXX40-DC 2+0系列采用压敏电阻(MOV)技术,适用于Type2直流浪涌保护,专为光伏系统分配电设计。2极结构,放电容量20kA/40kA,提供500Vdc至1000Vdc多款型号。

The LKXX40-DC 2+0 series adopts MOV technology for Type2 DC surge protection, designed for sub-distribution of photovoltaic systems. 2-pole configuration with discharge capacity 20kA/40kA, available in 500Vdc to 1000Vdc models.

- Type 2 DC surge protection device
T2型直流浪涌保护装置
- Impulse/maximum discharge current [I_{imp} / I_{max}]:6.25kA / 50kA
脉冲/最大放电电流 [I_{imp} / I_{max}]: 6.25kA / 50kA
- Varistor voltage limiting technology, low residual voltage design
压敏电阻限压技术,低残余电压设计
- Pluggable design and internal thermal disconnection devices
可插拔式结构,内置热脱扣装置
- Operating /fault indication,optional remote signal
具备运行/故障指示功能,可选远程信号输出
- Conform to IEC 61643-31,EN 61643-31,GB/T 18802.31
符合IEC 61643-31、EN 61643-31、GB/T 18802.31标准

LK XX - 40 - XXX - R
1 2 3 4

1 Model/模型

2 I_{max} /最大放电电流

3 Maximum Continuous Operating Voltage/最大持续工作电压

4 Remote Signal(Optional)/远程信号 (可选)

TECHNOLOGY PARAMETER / 技术参数

Model / 型号	Sym	LKXX40-DC500	LKXX40-DC600	LKXX40-DC800	LKXX40-DC1000
DC Max. Continuous Operating Voltage / 直流最大持续工作电压	[Ucpv]	500Vdc	600Vdc	800Vdc	1000Vdc
Nominal Discharge Current [8/20us] / 标称放电电流	[In]	20kA	20kA	20kA	20kA
Max. Discharge Current [8/20us] / 最大放电电流	[Imax]	40kA	40kA	40kA	40kA
Voltage Protection Level / 电压保护水平	[Up]	$\leq 2.2kV$	$\leq 2.8kV$	$\leq 3.2kV$	$\leq 3.8kV$
Short-circuit Current Rating / 短路耐受电流	[Iscpv]	10kA	10kA	10kA	10kA
Response Time / 响应时间	[tA]	$\leq 25ns$	$\leq 25ns$	$\leq 25ns$	$\leq 25ns$
Max. Backup Fuse / 最大后备熔断器	[I]	63A gPV	63A gPV	63A gPV	63A gPV

MECHANICAL DATA / 机械数据

Item / 项目	Description / 描述
Wiring Method / 接线方式	Screw terminal 2.5-25mm ²
Status Indication / 状态指示	Green(OK)/Red(Fault)
Remote Signal / 遥信	Optional / 可选
Installation / 安装方式	35mm DIN rail / 35mm导轨
Operating Temp. / 工作温度	-40~+85°C
Protection Level / 防护等级	IP20
Enclosure Material / 外壳材料	UL94-V0

ORDER INFORMATION / 订购信息

MODEL	PROT.MODE	I_{imp}	I_{imp} TOTAL	$U_p(L-PE)$	$U_p(N-PE)$	$U_p(L-N)$
LKXX40-DC500/2+0	+/-→PE	20kA	40kA	$\leq 2.2kV$	/	/
LKXX40-DC600/2+0	+/-→PE	20kA	40kA	$\leq 2.8kV$	/	/
LKXX40-DC800/2+0	+/-→PE	20kA	40kA	$\leq 3.2kV$	/	/
LKXX40-DC1000/2+0	+/-→PE	20kA	40kA	$\leq 3.8kV$	/	/

TYPE2 DC LKXX-40 3+0



可选模型

D1 Model



D6 Model



D3 Model



D8 Model



D4 Model

LKXX40-DC 3+0系列采用压敏电阻(MOV)技术,适用于Type2直流浪涌保护,专为光伏系统分配电设计。3极结构,放电容量20kA/40kA,提供500Vdc至1000Vdc多款型号。

The LKXX40-DC 2+0 series adopts MOV technology for Type2 DC surge protection, designed for sub-distribution of photovoltaic systems. 3-pole configuration with discharge capacity 20kA/40kA, available in 500Vdc to 1000Vdc models.

- Type 2 DC surge protection device
T2型直流浪涌保护装置
- Impulse/maximum discharge current [I_{imp} / I_{max}]:6.25kA / 50kA
脉冲/最大放电电流 [I_{imp} / I_{max}]: 6.25kA / 50kA
- Varistor voltage limiting technology, low residual voltage design
压敏电阻限压技术,低残余电压设计
- Pluggable design and internal thermal disconnection devices
可插拔式结构,内置热脱扣装置
- Operating /fault indication,optional remote signal
具备运行/故障指示功能,可选远程信号输出
- Conform to IEC 61643-31,EN 61643-31,GB/T 18802.31
符合IEC 61643-31、EN 61643-31、GB/T 18802.31标准

LK XX - 40 - XXX - R
1 2 3 4

1 Model/模型

2 I_{max} /最大放电电流

3 Maximum Continuous Operating Voltage/最大持续工作电压

4 Remote Signal(Optional)/远程信号 (可选)

TECHNOLOGY PARAMETER / 技术参数

Model / 型号	Sym	LKXX40-DC1000	LKXX40-DC1200	LKXX40-DC1500
DC Max. Continuous Operating Voltage / 直流最大持续工作电压	[Ucpv]	1000Vdc	1200Vdc	1500Vdc
Nominal Discharge Current [8/20us] / 标称放电电流	[In]	20kA	20kA	20kA
Max. Discharge Current [8/20us] / 最大放电电流	[Imax]	40kA	40kA	40kA
Voltage Protection Level / 电压保护水平	[Up]	$\leq 3.8kV$	$\leq 4.5kV$	$\leq 5.2kV$
Short-circuit Current Rating / 短路耐受电流	[Iscpv]	10kA	10kA	10kA
Response Time / 响应时间	[tA]	$\leq 25ns$	$\leq 25ns$	$\leq 25ns$
Max. Backup Fuse / 最大后备熔断器	[I]	63A gPV	63A gPV	63A gPV

MECHANICAL DATA / 机械数据

Item / 项目	Description / 描述
Wiring Method / 接线方式	Screw terminal 2.5-25mm ²
Status Indication / 状态指示	Green(OK)/Red(Fault)
Remote Signal / 遥信	Optional / 可选
Installation / 安装方式	35mm DIN rail / 35mm导轨
Operating Temp. / 工作温度	-40~+85°C
Protection Level / 防护等级	IP20
Enclosure Material / 外壳材料	UL94-V0

ORDER INFORMATION / 订购信息

MODEL	PROT.MODE	I_{imp}	I_{imp} TOTAL	$U_p(L-PE)$	$U_p(N-PE)$	$U_p(L-N)$
LKXX40-DC1000/3+0	+/-→PE	20kA	40kA	$\leq 3.8kV$	/	/
LKXX40-DC1200/3+0	+/-→PE	20kA	40kA	$\leq 4.5kV$	/	/
LKXX40-DC1500/3+0	+/-→PE	20kA	40kA	$\leq 5.2kV$	/	/

DC SPD Circuit Diagram and Schematic Diagram

直流浪涌保护器 接线方式及原理图

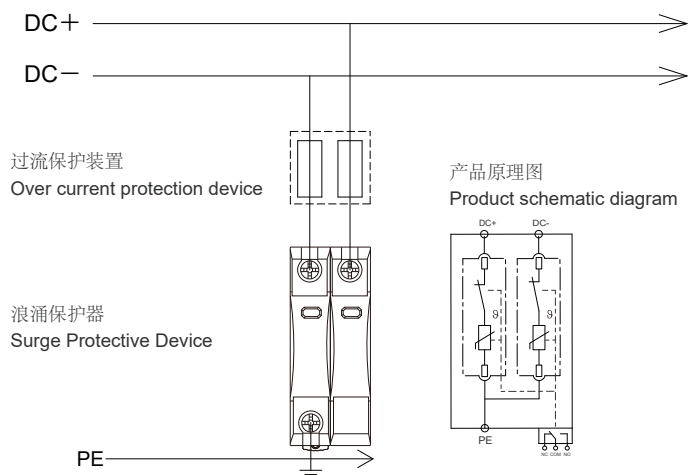


图1: 光伏直流电源系统2模块(2P)接线方式
Figure 1: PV DC Power System 2 module wiring

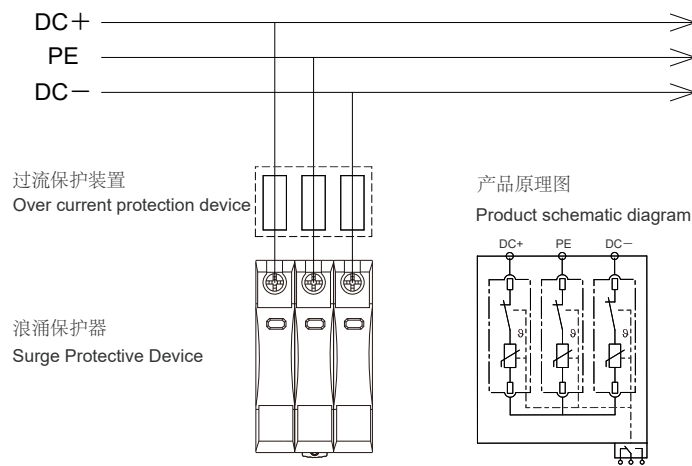


图1: 光伏直流电源系统3模块(3P)接线方式
Figure 2: PV DC Power System 3 module wiring

FUSE HOLDER

熔断器底座



R6 Model



R8 Model



RT18 Model

LKXX-RT32 AC Fuse Holder 400~690V 32A



- AC 400~690V rated voltage
额定电压AC 400~690V
- Suitable for AC distribution protection
适用于交流配电保护
- Rated breaking capacity 20kA
额定分断能力20kA
- Compatible with 10×38mm fuses (gG/aM/gPV)
兼容10×38mm熔断体 (gG/aM/gPV)
- DIN rail mounting, PA66 shell
DIN导轨安装, PA66外壳
- Operating temp. -30~+70°C
工作温度-30~+70°C
- Certified by TUV, CE, RoHS
通过TUV、CE、RoHS认证

可选模型

R6 Model



R8 Model



RT18 Model

LKXX-RT32系列交流熔断器底座, 适用于交流配电系统的过载及短路保护。额定550VAC/32A, 兼容10×38mm gPV熔断体。DIN导轨安装, 阻燃PA66外壳, UL94-V0。

The LKXX-RT32 series AC fuse holder is designed for overcurrent and short-circuit protection in AC power distribution systems. Rated 550VAC/32A, compatible with 10x38mm gPV fuses. DIN rail mounting, fire-retardant PA66 shell, UL94-V0.

LK	XX	-	RT	-	32	-	L
	1		2		3		4

1 Model/模型

2 RT=AC/交流 PV=DC/直流

3 32=10*38 FUSE 18=10*65 FUSE

4 指示灯/pilot lamp

TECHNOLOGY PARAMETER / 技术参数

Model / 型号	Sym	LKXX-RT32/1P	LKXX-RT32/2P	LKXX-RT32/3P	LKXX-RT32/4P
Standard / 执行标准	□	IEC/EN 60269	IEC/EN 60269	IEC/EN 60269	IEC/EN 60269
Rated Working Voltage / 额定工作电压	[Ue]	400~690VAC	400~690VAC	400~690VAC	400~690VAC
Rated Current / 额定电流	[In]	32A	32A	32A	32A
Rated Breaking Capacity / 额定分断能力	□	20kA	20kA	20kA	20kA
Fuse Size / 熔断体尺寸	□	10×38mm	10×38mm	10×38mm	10×38mm
Max. Power Dissipation / 最大功耗	□	AC 3W	AC 3W	AC 3W	AC 3W
Conductor Cross-section / 导线截面积	□	2.5~6mm ²	2.5~6mm ²	2.5~6mm ²	2.5~6mm ²
Terminal Screw Torque / 端子螺钉扭矩	□	0.8~1.2N·m	0.8~1.2N·m	0.8~1.2N·m	0.8~1.2N·m
Operating Temp. / 工作温度	□	-30~+70°C	-30~+70°C	-30~+70°C	-30~+70°C
Protection Class / 防护等级	□	IP20	IP20	IP20	IP20
Mounting / 安装方式	□	DIN rail / DIN导轨	DIN rail / DIN导轨	DIN rail / DIN导轨	DIN rail / DIN导轨
Shell Material / 外壳材料	□	PA66, UL94-V0	PA66, UL94-V0	PA66, UL94-V0	PA66, UL94-V0

MECHANICAL DATA / 机械数据

Item / 项目	Description / 描述
Poles / 极数	1P / 2P / 3P / 4P
Mounting / 安装方式	35mm DIN rail / 35mm DIN导轨
Pollution Degree / 污染等级	3
Installation Class / 安装等级	III
Relative Humidity / 相对湿度	+20°C≤95%, +40°C≤50%
Weight / 重量	0.065kg per pole / 每极0.065kg

ORDER INFORMATION / 订购信息

MODEL	POLES	VOLTAGE	CURRENT	FUSE SIZE	Ics
LKXX-RT32/1P	1P	400~690VAC	32A	10×38mm	20kA
LKXX-RT32/2P	2P	400~690VAC	32A	10×38mm	20kA
LKXX-RT32/3P	3P	400~690VAC	32A	10×38mm	20kA
LKXX-RT32/4P	4P	400~690VAC	32A	10×38mm	20kA
LKXX-RT32/1P-L	1P	400~690VAC	32A	10×38mm	20kA
LKXX-RT32/2P-L	2P	400~690VAC	32A	10×38mm	20kA
LKXX-RT32/3P-L	3P	400~690VAC	32A	10×38mm	20kA
LKXX-RT32/4P-L	4P	400~690VAC	32A	10×38mm	20kA

LKXX-PV32 DC Fuse Holder 1000V 32A



- DC 1000V rated voltage
额定电压DC 1000V
- Suitable for PV string protection
适用于光伏串保护
- Rated breaking capacity 20kA
额定分断能力20kA
- Compatible with 10×38mm gPV fuses
兼容10×38mm gPV熔断体
- DIN rail mounting, PA66 shell
DIN导轨安装, PA66外壳
- Operating temp. -30~+70°C
工作温度-30~+70°C
- Certified by TUV, CE, RoHS
通过TUV、CE、RoHS认证

可选模型

R6 Model



R8 Model



RT18 Model

LKXX-PV32系列直流浪涌保护器熔断器底座, 适用于直流配电及光伏系统的过载及短路保护。额定1000VDC/32A, 兼容10×38mm gPV熔断体。DIN导轨安装, 阻燃PA66外壳, UL94-V0。

The LKXX-PV32 series DC fuse holder is designed for overcurrent and short-circuit protection in DC power distribution and photovoltaic systems. Rated 1000VDC/32A, compatible with 10×38mm gPV fuses. DIN rail mounting, fire-retardant PA66 shell, UL94-V0.

LK	XX	-	RT	-	32	-	L
	1		2		3		4

1 Model/模型

2 RT=AC/交流 PV=DC/直流

3 32=10*38 FUSE 18=10*65 FUSE

4 指示灯/pilot lamp

TECHNOLOGY PARAMETER / 技术参数

Model / 型号	Sym	LKXX-PV32/1P	LKXX-PV32/2P	LKXX-PV32/3P	LKXX-PV32/4P
Standard / 执行标准	□	IEC/EN 60269	IEC/EN 60269	IEC/EN 60269	IEC/EN 60269
Rated Working Voltage / 额定工作电压	[Ue]	1000VDC	1000VDC	1000VDC	1000VDC
Rated Current / 额定电流	[In]	32A	32A	32A	32A
Rated Breaking Capacity / 额定分断能力	□	20kA	20kA	20kA	20kA
Fuse Size / 熔断体尺寸	□	10×38mm	10×38mm	10×38mm	10×38mm
Max. Power Dissipation / 最大功耗	□	DC 5W	DC 5W	DC 5W	DC 5W
Conductor Cross-section / 导线截面积	□	2.5~6mm ²	2.5~6mm ²	2.5~6mm ²	2.5~6mm ²
Terminal Screw Torque / 端子螺钉扭矩	□	0.8~1.2N·m	0.8~1.2N·m	0.8~1.2N·m	0.8~1.2N·m
Operating Temp. / 工作温度	□	-30~+70°C	-30~+70°C	-30~+70°C	-30~+70°C
Protection Class / 防护等级	□	IP20	IP20	IP20	IP20
Mounting / 安装方式	□	DIN rail / DIN导轨	DIN rail / DIN导轨	DIN rail / DIN导轨	DIN rail / DIN导轨
Shell Material / 外壳材料	□	PA66, UL94-V0	PA66, UL94-V0	PA66, UL94-V0	PA66, UL94-V0

MECHANICAL DATA / 机械数据

Item / 项目	Description / 描述
Poles / 极数	1P / 2P / 3P / 4P
Mounting / 安装方式	35mm DIN rail / 35mm DIN导轨
Pollution Degree / 污染等级	3
Installation Class / 安装等级	III
Relative Humidity / 相对湿度	+20°C≤95%, +40°C≤50%
Weight / 重量	0.07kg per pole / 每极0.07kg

ORDER INFORMATION / 订购信息

MODEL	POLES	VOLTAGE	CURRENT	FUSE SIZE	Ics
LKXX-PV32/1P	1P	1000VDC	32A	10×38mm	20kA
LKXX-PV32/2P	2P	1000VDC	32A	10×38mm	20kA
LKXX-PV32/3P	3P	1000VDC	32A	10×38mm	20kA
LKXX-PV32/4P	4P	1000VDC	32A	10×38mm	20kA
LKXX-PV32/1P-L	1P	1000VDC	32A	10×38mm	20kA
LKXX-PV32/2P-L	2P	1000VDC	32A	10×38mm	20kA
LKXX-PV32/3P-L	3P	1000VDC	32A	10×38mm	20kA
LKXX-PV32/4P-L	4P	1000VDC	32A	10×38mm	20kA

LKXX-PV18 DC Fuse Holder 1500V 32A



可选模型

R6 Model

R8 Model

RT18 Model



LKXX-RT18系列直流熔断器底座，专为光伏组串保护设计。额定1500VDC/32A，兼容10×85mm gPV熔断体。保护类别gPV，适用于光伏保护。DIN导轨安装，阻燃PA66外壳，UL94-V0。通过TUV、CE、RoHS认证。

The LKXX-RT18 series DC fuse holder is specifically designed for photovoltaic string protection. Rated 1500VDC/32A, compatible with 10×85mm gPV fuses. Operating class gPV for solar protection. DIN rail mounting, fire-retardant PA66 shell, UL94-V0. Certified by TUV, CE, and RoHS.

- DC 1500V rated voltage
额定电压DC 1500V
- Designed for high-voltage PV string protection
专为高压光伏组串保护设计
- Rated breaking capacity 20kA
额定分断能力20kA
- Compatible with 10×85mm gPV fuses
兼容10×85mm gPV熔断体
- DIN rail mounting, PA66 shell
DIN导轨安装，PA66外壳
- Operating temp. -40~+80°C
工作温度-40~+80°C
- Certified by TUV, CE, RoHS
通过TUV、CE、RoHS认证

LK	XX	-	RT	-	32	-	L
	1		2		3		4

1 Model/模型

2 RT=AC/交流 PV=DC/直流

3 32=10*38 FUSE 18=10*65 FUSE

4 指示灯/pilot lamp

TECHNOLOGY PARAMETER / 技术参数

Model / 型号	Sym	LKXX-PV18/1P	LKXX-PV18/2P	LKXX-PV18/3P	LKXX-PV18/4P
Standard / 执行标准	□	IEC/EN 60269	IEC/EN 60269	IEC/EN 60269	IEC/EN 60269
Rated Voltage / 额定电压	[Ue]	1500VDC	1500VDC	1500VDC	1500VDC
Rated Current / 额定电流	[In]	32A	32A	32A	32A
Rated Breaking Capacity / 额定分断能力	□	20kA	20kA	20kA	20kA
Fuse Size / 熔断体尺寸	□	10×85mm	10×85mm	10×85mm	10×85mm
Protection Class / 保护类别	□	gPV	gPV	gPV	gPV
Conductor Cross-section / 导线截面积	□	2.5~16mm ²	2.5~16mm ²	2.5~16mm ²	2.5~16mm ²
Terminal Screw Torque / 端子螺钉扭矩	□	2.5~3N·m	2.5~3N·m	2.5~3N·m	2.5~3N·m
Peak Withstand Current / 额定峰值耐受电流	[Ipk]	20kA	20kA	20kA	20kA
Operating Temp. / 工作温度	□	-40~+80°C	-40~+80°C	-40~+80°C	-40~+80°C
Mounting / 安装方式	□	TH35 DIN rail / TH35 DIN导轨	TH35 DIN rail / TH35 DIN导轨	TH35 DIN rail / TH35 DIN导轨	TH35 DIN rail / TH35 DIN导轨
Shell Material / 外壳材料	□	PA66, UL94-V0	PA66, UL94-V0	PA66, UL94-V0	PA66, UL94-V0
Certification / 认证	□	TUV, CE, RoHS	TUV, CE, RoHS	TUV, CE, RoHS	TUV, CE, RoHS

MECHANICAL DATA / 机械数据

Item / 项目	Description / 描述
Poles / 极数	1P / 2P / 3P / 4P
Mounting / 安装方式	35mm DIN rail / 35mm DIN导轨
Operating Temp. / 工作温度	-40~+80°C
Storage Temp. / 储存温度	-40~+80°C
Protection characteristics/保护特性	gPV

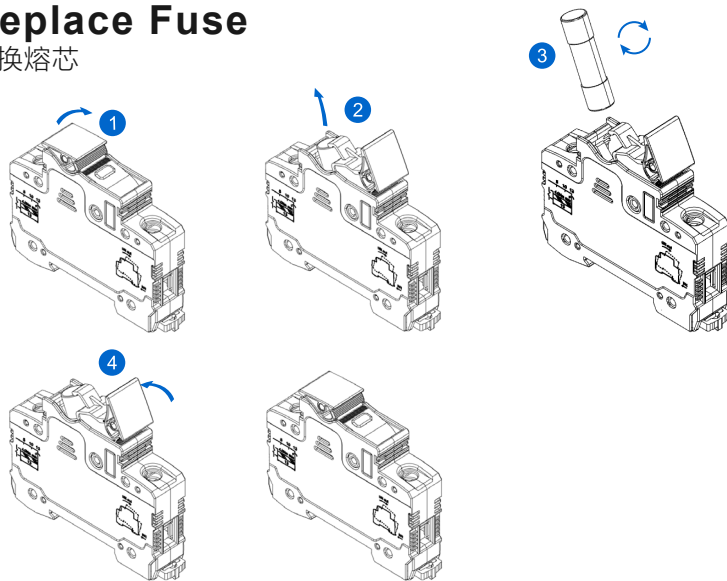
ORDER INFORMATION / 订购信息

MODEL	POLES	VOLTAGE	CURRENT	FUSE SIZE	Ics
LKXX-PV18/1P	1P	1500VDC	32A	10×85mm	20kA
LKXX-PV18/2P	2P	1500VDC	32A	10×85mm	20kA
LKXX-PV18/3P	3P	1500VDC	32A	10×85mm	20kA
LKXX-PV18/4P	4P	1500VDC	32A	10×85mm	20kA

R6 Model

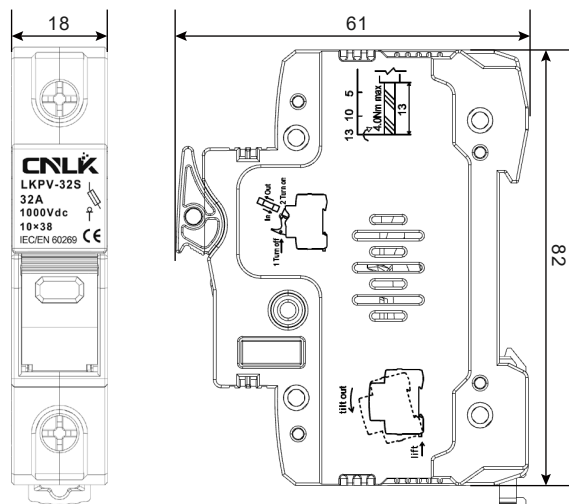
Replace Fuse

更换熔芯



Dimensional Drawing

尺寸图

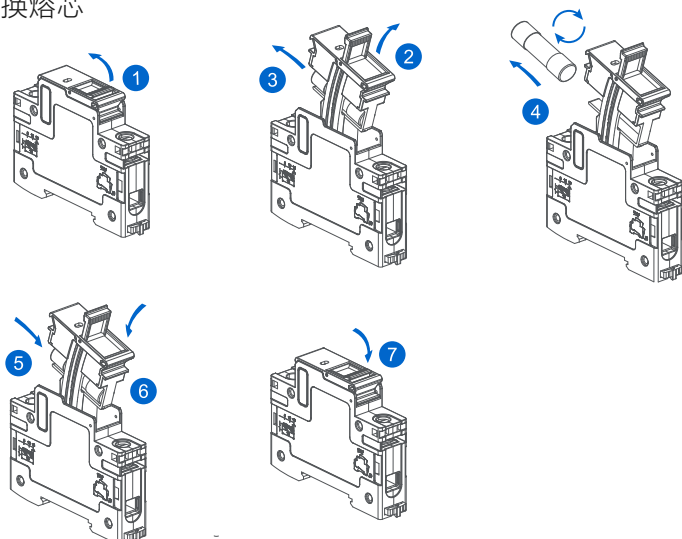


Dimensions/单位 (mm)

R8 Model

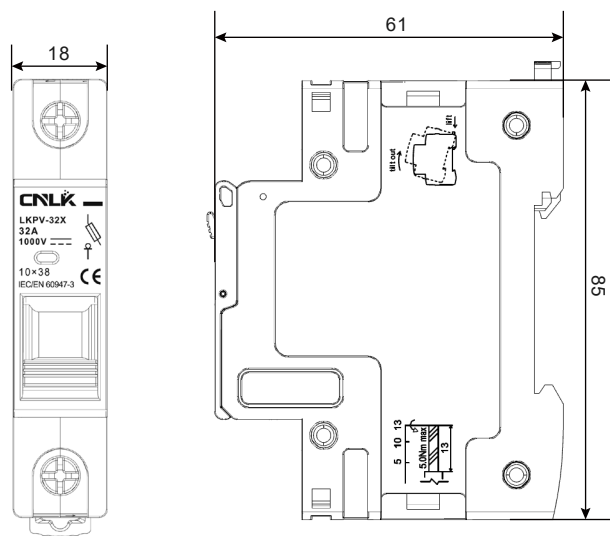
Replace Fuse

更换熔芯



Replace Fuse

尺寸图

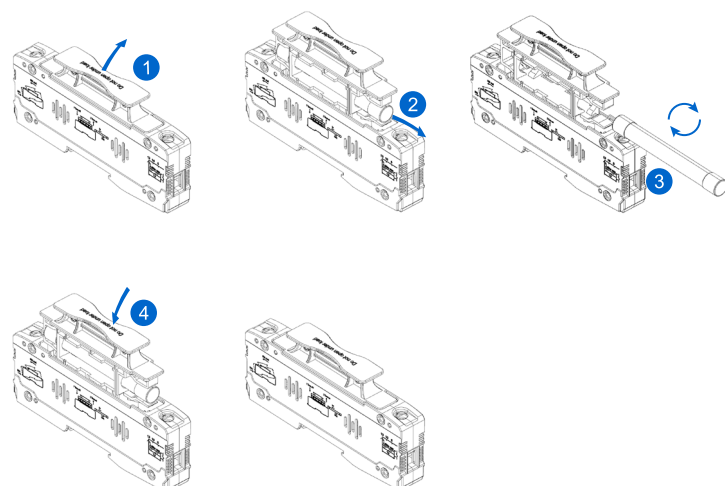


Dimensions/单位 (mm)

RT18 Model

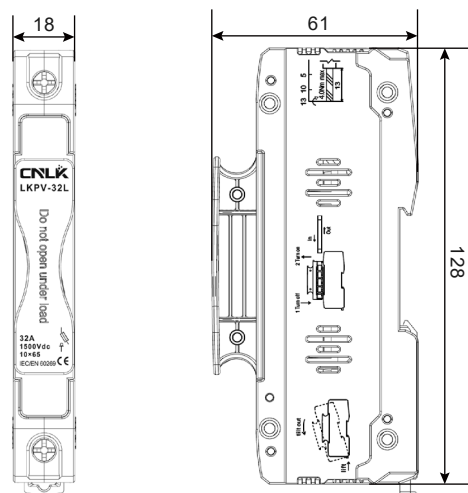
Replace Fuse

更换熔芯



Replace Fuse

尺寸图



Dimensions/单位 (mm)

DC MCB

直流断路器



1P



2P



3P



4P

LKL7-63DC

DC MCB 63A 1000V



可选模型

L7 Model



LKXX-D8直流微型断路器，专用于多组串光伏系统。额定电压250/500/750/1000VDC，分断能力10kA。双向电流检测和保护，无极性要求。提供C/K脱扣曲线，1~63A。位置触点指示，可锁定在OFF位置，便于逆变器维护。符合IEC/EN 60947-2标准

LKXX-D8 DC miniature circuit breaker is dedicated to multi-string photovoltaic installations. Rated voltage 250/500/750/1000VDC with breaking capacity 10kA. Bidirectional current detection and protection, no polarity sensitive. C/K trip curves available, 1~63A. Position contact indication, lockable in OFF position for PV inverter removal. Conform to IEC/EN 60947-2.

- DC Miniature Circuit Breaker dedicated to multi-string photovoltaic installations
直流微型断路器，专用于多组串光伏系统
- Protects cables between PV modules and inverter against overloads and short circuits
保护光伏组件与逆变器之间的电缆，防止过载和短路
- Bidirectional current detection and protection, no polarity sensitive
双向电流检测和保护，无极性要求
- Can be locked in OFF position for PV inverter removal
可锁定在OFF位置，便于逆变器维护
- Combined with switch, installed in string PV protection enclosure
配合开关使用，安装于组串光伏保护箱内
- Comes with inter-pole barrier for increased isolation distance
标配极间隔板，增加相邻连接器之间的隔离距离

LK	XX	-	63	-	DC
	1		2		3

1 Model/模型

2 Current/电流

3 工作电流

TECHNOLOGY PARAMETER / 技术参数

Model / 型号	Sym	LKXX-D8/1P	LKXX-D8/2P	LKXX-D8/3P	LKXX-D8/4P
Standard / 执行标准		IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2
Rated Voltage / 额定电压	[Ue]	250VDC	500VDC	750VDC	1000VDC
Rated Insulation Voltage / 额定绝缘电压	[Ui]	1000VDC	1000VDC	1000VDC	1000VDC
Breaking Capacity / 分断能力	[Icu]	10kA	10kA	10kA	10kA
Rated Service Breaking / 额定使用分断能力	[Ics]	100%Icu	100%Icu	100%Icu	100%Icu
Impulse Voltage / 冲击电压	[Uimp]	4kV	4kV	4kV	4kV
Current Rating / 额定电流	[In]	1~63A	1~63A	1~63A	1~63A
Instantaneous Trip (C) / 瞬时脱扣(C)		(7~10)In	(7~10)In	(7~10)In	(7~10)In
Instantaneous Trip (D) / 瞬时脱扣(D)		(10~14)In	(10~14)In	(10~14)In	(10~14)In
Instantaneous Trip (K) / 瞬时脱扣(K)		(14~18)In	(14~18)In	(14~18)In	(14~18)In
Category / 使用类别		A	A	A	A
Pollution Degree / 污染等级		2	2	2	2
Endurance (Elec.) / 电气耐久		1500 cycles/次 (where L / R=2 ms)	1500 cycles/次 (where L / R=2 ms)	1500 cycles/次 (where L / R=2 ms)	1500 cycles/次 (where L / R=2 ms)
Endurance (Mech.) / 机械耐久		20000 cycles	20000 cycles	20000 cycles	20000 cycles

MECHANICAL DATA / 机械数据

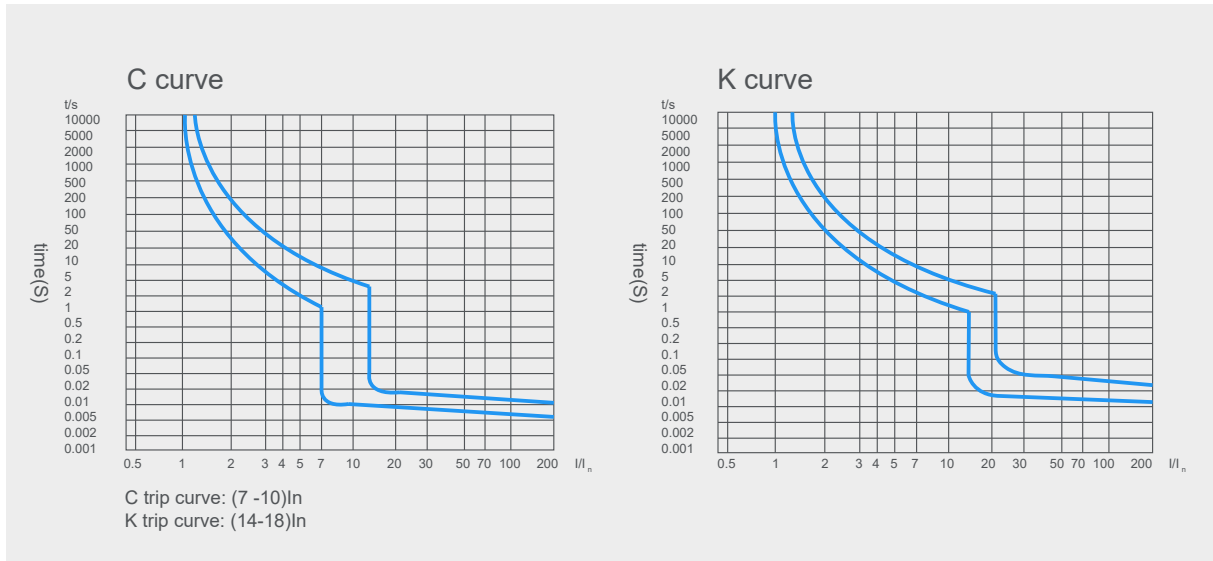
Item / 项目	Description / 描述
Poles / 极数	1P / 2P / 3P / 4P
Operating Temp. / 工作温度	-25~+70°C (ref. 30°C)
Storage Temp. / 存储温度	-40~+85°C
Degree of Protection / 防护等级	IP40 (modular enclosure)
Tropicalization / 抗湿热	95%RH at 55°C (IEC 60068-2)
Connection / 接线方式	Bottom, in and out on same side
Conductor Cross-section / 导线截面积	1~25mm² rigid, 1~16mm² flexible
Terminal Screw Torque / 端子螺钉扭矩	2.5N·m
Weight / 重量	1P: 120g, 2P: 240g, 3P: 360g, 4P: 480g
Position Contact Indication / 位置触点指示	Yes (IEC/EN 60947-2)
Suitability for Isolation / 隔离适用性	Yes (green strip indication)

ORDER INFORMATION / 订购信息

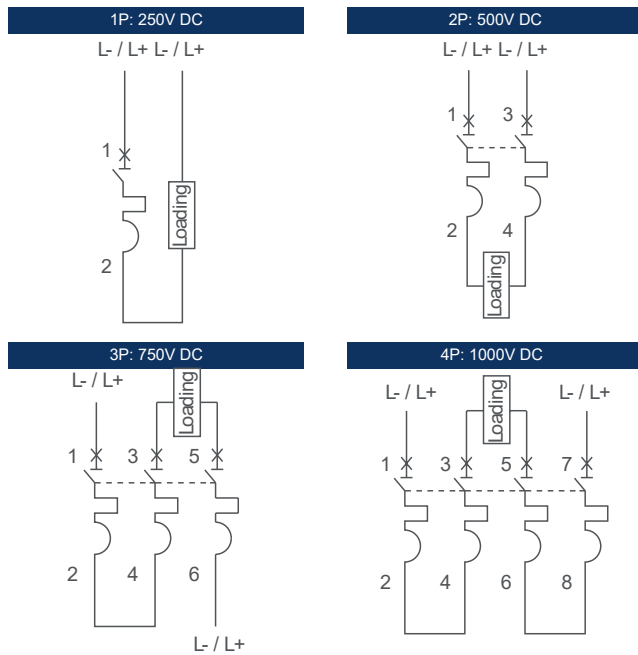
MODEL	POLES	VOLTAGE	CURRENT	Ics
LKXX-D8/1P	1P	250VDC	1~63A	10kA
LKXX-D8/2P	2P	500VDC	1~63A	10kA
LKXX-D8/3P	3P	750VDC	1~63A	10kA
LKXX-D8/4P	4P	1000VDC	1~63A	10kA

LKXX-63DC DC MCB 63A 1000V

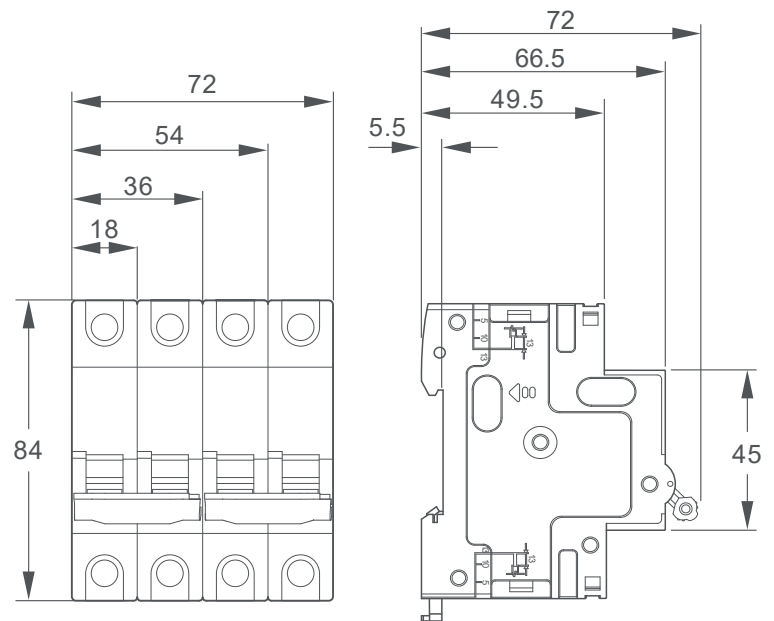
Curve/曲线



Diagrams/接线图

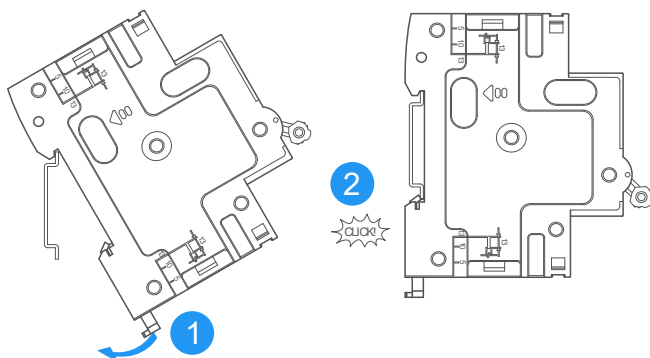


Dimensions/尺寸图 (mm)

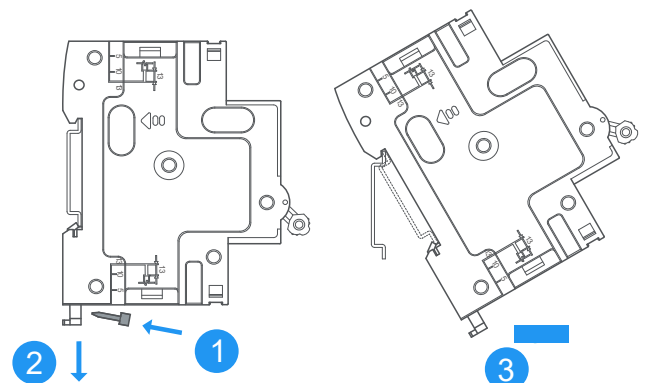


Installation/安装

Installation/安装



Removal/拆除



OEM / ODM Customization Service

OEM/ODM定制服务

About Our OEM/ODM Services / 关于我们的OEM/ODM服务

We provide comprehensive OEM and ODM services for surge protective devices, circuit breakers, fuse holders, and other electrical protection products.

With years of experience in the industry, we can customize products to meet your specific requirements for technical specifications, appearance design, packaging, and labeling.

我们为浪涌保护器、断路器、熔断器底座及其他电气保护产品提供全面的OEM和ODM服务。凭借多年的行业经验，我们可根据您的具体需求定制技术规格、外观设计、包装和标签。

Customization Options / 定制选项

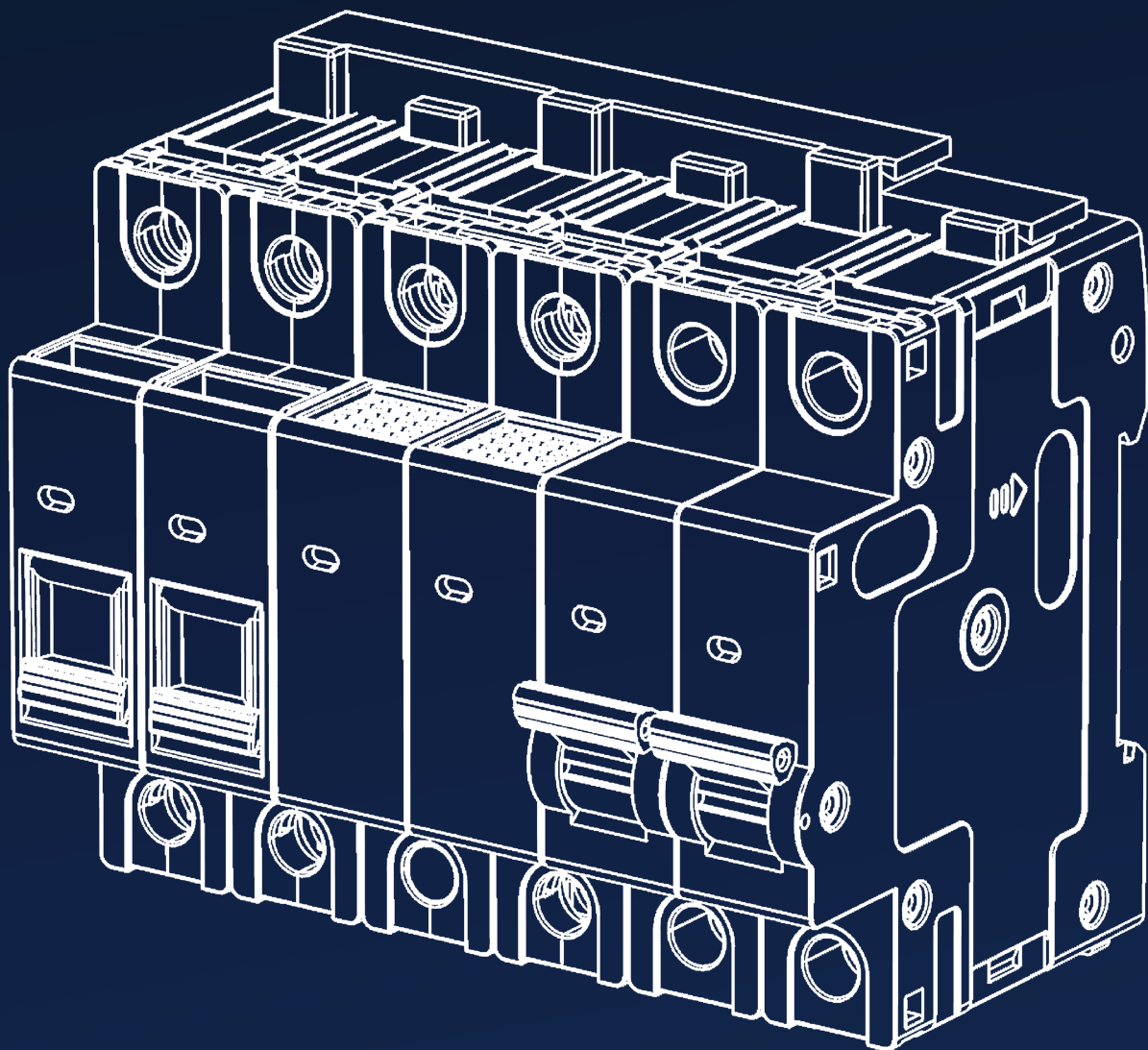
1. Logo Printing / Logo印刷
Print your company logo on product body and packaging
2. Custom Packaging / 定制包装
Customize color box, inner box, and carton design
3. Technical Parameters / 技术参数
Adjust voltage, current, and protection levels
4. Color Options / 颜色选择
Customize product housing color to match your brand
5. Label & Manual / 标签和说明书
Custom labels and user manuals in any language
6. Certificates / 认证
Apply for regional certifications as required

Why Choose Us / 为什么选择我们

- Professional team with 10+ years experience in electrical protection products
• 专业团队，10年以上电气保护产品经验
- Strict quality control system, ISO 9001 certified factory
• 严格质量控制体系，ISO 9001认证工厂
- Complete product range: SPD, MCB, MCCB, Fuse Holder, etc.
• 完整产品线：SPD、MCB、MCCB、熔断器底座等
- Flexible MOQ for OEM orders, fast delivery within 15-30 days
• 灵活OEM起订量，15-30天快速交货
- Free technical support and after-sales service
• 免费技术支持和售后服务
- Rich experience in global market, products exported to 50+ countries
• 丰富全球市场经验，产品出口50+国家

OEM Process / OEM流程

1. Consultation & Requirement Analysis / 咨询与需求分析
2. Solution Design & Quotation / 方案设计与报价
3. Sample Confirmation / 样品确认
4. Mass Production & QC / 量产与质量控制
5. Packaging & Delivery / 包装与交付
6. After-sales Support / 售后支持



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