

# KRIPAL



浙江科瑞普电气有限公司  
ZHEJIANG KRIPAL ELECTRIC CO.,LTD.



# KRIPAL

Since 1992

国家级专精特新“小巨人”企业  
国家高新技术企业  
浙江省专利示范企业  
省级高新技术企业研究开发中心  
中国国际商会温州商会理事单位



## 公司简介 | COMPANY PROFILE

浙江科瑞普电气有限公司是一家专业从事研发、生产、销售低压电气、防水电气和新能源产品的国家级专精特新“小巨人”企业、国家高新技术企业。

公司成立于1992年，经过多年的蓬勃发展，现已逐渐发展成为中国颇具影响力的电气制造商。

公司建有遍布全球的销售体系和服务网络，产品出口欧洲、澳洲、美洲、非洲、大洋洲、东南亚和港澳台地区，并在当地具有良好的品牌效应，并获得浙江出口名牌企业称号。公司现有厂房面积60000平方米，员工600余人，其中高级工程师10+人，专业技术人员30余人，高级管理人员30余人。

产品获得欧盟CE、美国UL、德国TUV、荷兰KEMA、瑞典SEMKO、澳大利亚SAA、德国VDE及欧盟RoHs等国际认证，以及3C国家认证和CB国际电子产品全球互认体系，通过ISO9001质量管理体系、ISO14001环境管理体系、ISO45001职业健康与安全管理体系、ISO5001能源管理体系的认证。

公司与国内外科研机构广泛合作，引进国外先进的制造检测设备，先后开发出具有自主知识产权的产品100余种，多项产品已获国家发明及实用新型专利，成为省级技术研发中心和浙江省专利示范企业。

公司坚持“科学管理、自主创新、协调合作、品牌至上”的企业方针，信守“德行天下”的承诺，践行“与客户合作共赢、与员工共同富裕、为股东创造效益、为社会贡献和谐”的核心价值观，为实现专业电气世界品牌梦的使命而奋斗。

Zhejiang KRIPAL Electric Co., Ltd is one of the national new high-tech enterprises integrated of researching, producing and selling water-proof electric, low-voltage electric and new energy electric products. Established in 1992, KRIPAL now is gradually becoming the influential electric manufacturer in China after many years well development. With a great brand effect, KRIPAL has the completed sales and service network with its products been exported to all over the world like Europe. Australia. American. Africa. Oceania. South east of Asia, and district of HongKong, Macaw and Taiwan. KRIPAL is awarded the title of "Famous Export Brand".

KRIPAL now has the factory area 60000 m2 and workers more than 600, including over 10 senior engineers, 30 professional technicians and 30 senior executives. Products pass the certification of CE, CB, UL, VDE, TUV, KEMA, SAA, SEMKO, ROHS, and China CCC as well as quality management system such as ISO9001, ISO14001, ISO45001, ISO5001.

Cooperated with domestic and foreign R&D institutions, KRIPAL, successively developed more than 100 independent intellectual properties; some of them were successfully awarded the national patent for invention and utility models as its well performance. KRIPAL now has been selected as provincial technical research and development center and patent demonstration enterprise by government.

KRIPAL always adheres to the enterprise principle of "Scientific management, independent Innovation, Coordinating Collaboration and Cultural Brand", keep faith of "moral first" and fulfill the core value of "double-win cooperation with customers, creating profit for company owners, getting rich together with workers, building harmony for society" and fight for the mission of "make the dream of world famous electrical brand come true".



## 目录 Contents

KRIPAL开系列产品功能介绍	-----
KRIPAL Switch Series Products Function	
负荷隔离开关UKP安装形式	-----
Load isolation switch UKP Installation way	
凸轮开关UKT 安装形式	-----
Cam switch UKT UKP Installation way	
总开关, 维修开关	-----
Main switch,maintenance switch	
通断开关	-----
On-off switch	
控制开关Control switch	
转换开关	-----
Control switch	
换向开关	-----
Commutation switch	
星-三角开关	-----
Star-delta switch	
多速开关	-----
Multi-speed switch	
步进开关	-----
Stepping switch	
通断开关	-----
On-off switch	
手动/自动开关	-----
Manual/auto switch	
通用控制开关	-----
General control switch	
编码开关	-----
Toggle switch	
串联开关	-----
Tandem switch	
仪表选择开关	-----
Instrument selector switch	
安装尺寸	-----
Mounting size	
光伏直流隔离开关	-----
DC-Switch Disconnectors	
UKG1开关	-----
UKG1 Switch	
UKPS开关	-----
UKPS Switch	
UKPA开关	-----
UKPA switch	
UKE5W 铝质外壳组合箱	-----
UKE5W Aluminum Enclosure Combination Box	

# Widely Used In the World

## 世界范围内广泛应用

KRIPAL作为世界级的配电及自动化工程专家，具有成功的质量管理体系。因此，至关安全的凸轮开关UKT和负荷隔离开关UKP同样也出自最严格的质量监控，获得了多个国家认证和船级社认证，从而在全世界范围得到广泛应用。

### The Special Switches Can Be Customized

#### 提供特殊开关定制服务

除了样本中列出的标准开关之外，科瑞普电气还可根据您的特殊需求而定制各种非标准开关。订购非标准开关，只需依据以下表格选择相应的开关特性，包括：面板形式、切换角度、安装方式及触点电流、触点结构即可。

As a world-class expert of distribution and automation project, KRIPAL has successful quality management system. Therefore, cam switch UKT and load isolation switch are produced under the strictest quality monitoring and control, they were acquired many countries certificates and classification societies certificates. In terms of these, they are widely used in the world.

Besides the standard switches listed in this catalogue, ZHEJIANG KRIPAL ELECTRIC CO.,LTD. can customize kinds of non-standard switches according to your requirements. The order is very simple, you must select the corresponding switch characteristics in the following table, including panel pattern, switching angle, installation way, contact current and contact structure.

### Safe And Reliable On-off Action And Isolation

#### 安全可靠的通断和隔离

凸轮开关UKT和负荷隔离开关UKP是随时代进步而不断改进的优质产品，一直按照国际标准IEC/EN60947设计和制造，并且通过了KRIPAL公司低压检测中心的检测。KRIPAL公司于1998年获得了ISO9001质量保证体系的认证，即是一项产品质量的认证。KRIPAL公司的产品安全、可靠，这对于生产过程中的人身安全是至关重要的。

Cam switch UKT and load isolation switch UKP that are the top quality products improved continuously along with the times development, are designed and manufactured according to international standard IEC/EN 60947, and have been approved by low voltage testing center of KRIPAL. KRIPAL acquired ISO9001 quality assurance system certificate which proves that the corporation has always focused on quality. KRIPAL. Products present safety and reliability, which is important to personal safety in course of production.

### Possibility Of Multi-combination And Safety Of Touch

#### 多种组合保障可靠的触摸安全

凸轮开关UKT和负荷隔离开关UKP提供触点组合，其开关组合数目几乎是无限的，这表明它们的应用非常灵活。不仅如此，在开关设计过程中，KRIPAL公司始终把安全可靠放在第一位。例如，配装护盖的接线端子符合VDE0106，确保了指触安全。

Cam switch UKT and load isolation switch UKP provide 800 standard contacts combinations, their combination number is almost limitless. It says that their applications are very flexible. What's more, KRIPAL always regards safety and reliability as the first for designing. For example, the connection terminal of shield assembled conforms to VDE 0106, to ensure safety of touch.

### The Most Economical Solutions

#### 最经济的解决方案

品种齐全对用户非常有利，凸轮开关UKT和负荷隔离开关UKP按功率容量分档，可以为不同项目提供相适配的最为经济的解决方案。此外，它们还具有各种不同安装方式的铭牌，可以灵活地满足具体应用的需要。

Complete variety is very good for users. Cam switch UKT and load isolation switch UKP are stepped according to power capability, in order to supply suitable and the most economical solutions for different projects. Besides, they have different installation ways and emblems for flexible applying. The following material is never used: PCB, freon, asbestos, silicon resin. The contact material excludes cadmium, so the switches completely meet requirements of environmental protection.

在制造过程中不使用聚氯联苯、氟利昂、石棉和硅树脂，触头材料不含镉，完全符合环保要求。

### First Selected by machinery equipments

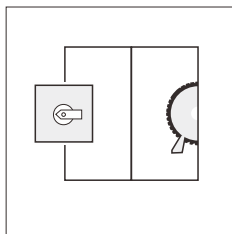
#### 机器设备的首选开关电器

凸轮开关UKT和负荷隔离开关UKP安全可靠，在工业机器设备上具有多种用途，例如：作为维修开关和保险开关使用时，在O部位可以加装3把挂锁，从而保证使用者的人身安全。

Because cam switch UKT and load isolation switch UKP are quite safe and reliable, they are widely used for industrial machinery equipments, for instance, they are used as maintenance switch and safety switch, three padlocks may be assembled in the "0" position, in order to ensure human safety.

# Load Isolation Switch UKP Installation Way

## 负荷隔离开关UKP安装形式



### On-off switch 通 - 断开关

凸轮开关UKT和负荷隔离开关UKP可以可靠的应用在照明设备、加热设备和电机上，也可以直接切换电机(AC-3)，其高开关能力保证了频繁通断时工作的可靠性。

Cam switch UKT and load isolation switch UKP can be used for illumination equipments, heating equipments and motors reliably, in addition, they also can switch the motor (AC-3) directly. Their high on-off ability can ensure the work reliability at frequently making and breaking.

### Control switch 控制开关

凸轮开关UKT用于控制电流回路，简化了从中央控制部位发送指令。例如，从中央控制室启动一个指定的过程，这样既节省时间又使得生产过程一目了然。

Cam switch UKT is used for controlling current circuit, to simplify the procedure that the order is sent by central control part. For example, one designated process is started from central control chamber, thus, the time can be saved and the production processes are very obvious.

控制开关的种类繁多，包括转换开关、星-三角开关、换向开关、手动/自动开关及仪表转换开关等。

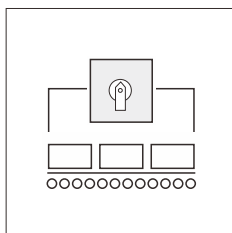
The variety of control switch is very abundant, including transfer switch, star-delta switch, commutation switch, manual/auto switch, instrument transfer switch and so on.

典型应用包括：

- 电动机的星-三角启动，换向或不换向，带或不带接触器联锁电路
- 电动机(多抽头绕组)的转速切换，2、3或4档转速，换向或不换向
- 电源切换或负载切换
- 交流电动机(用于带电容的单相电源)的起停
- 步进控制,适用于任何类型负载,带或不带0部位
- 电流表或电压表在三相电路之间的切换
- 手动/自动方式选择

Typical application:

- Motor star-delta starting, commutation or no commutation, with or without contactor interlock circuit.
- Motor (multi-tap winding) rev switching, speed of rotation for 2, 3 or 4 steps, commutation or no commutation.
- Power supply switching or load switching.
- Starting of AC motor ( for single-phase power supply with capacitor).
- Control of stepping, suitable for any loads, with or without " 0" position.
- Ammeter or voltmeter switching among three-phase circuits.
- Manual / auto selection.



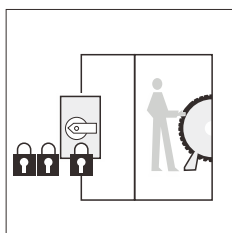
### Maintenance switch 维修开关

凸轮开关UKT和负荷隔离开关UKP适用作安全可靠的维修开关或连接各种电负载并配装外壳的总开关。此时，可以在分闸部位悬挂几把挂锁，作为保证人身安全而采取的措施，分断部位清晰可见并且不能自动复位。

Cam switch UKT and load isolation switch UKP can be used as maintenance switch or main switch with enclosure, connecting kinds of electric loads. Several padlocks can be assembled in the opening position, in order to ensure personnel safety, the opening position shall be clear and can't reset automatically.

符合 GB/T 14048.3 / IEC60947-3 对技术产品实施安全结构的规定。

This safety switch conforms to standards GB/T 14048.3 and IEC 60947-3



### Proper installation ways 妥善的安装方式

三种基本安装方式：

- 平齐安装(前部固定)
- 后部安装(后部固定，带门联动或罩盖联动)
- 表面安装(配装绝缘外壳)

Three basic installation ways:

- Parallel and level installation (fix in front of it)
- Rear installation (fix at the back of it, door linkage or cover linkage)
- Surface installation (insulation enclosure assembled)

由这三种基本方式又派生出若干种方案：

Several schemes are derived from above basic installation ways:

- 中心安装(安装孔直径22.3mm)
- 配电柜平齐安装(卡装在导轨上)
- 作为总开关或急停设备安装,按照GB/T 14048.3 IEC60947-3第一部分

- Central installation (diameter of mounting hole is 22.3mm)

- Parallel and level installation for distribution cabinet (clamping on the guide rail).

- Installation as main switch or emergency stop equipment, according to standards GB/T 14048.3 and IEC 60947-3

# Load Isolation Switch UKP Installation Way

## 负荷隔离开关UKP安装形式

UKP0/L1



表面安装  
总开关、维修开关  
UKP0  
10, 16, 20A  
Surface installation  
Main switch and maintenance  
switch UKP0  
10, 16, 20A

UKPN0/L2



表面安装  
总开关、维修开关  
UKPN0  
10, 16, 20A  
Surface installation  
Main switch and maintenance  
switch UKPN0  
10, 16, 20A

UKP1/L2



表面安装  
总开关、维修开关  
UKP1  
20, 25, 32A  
Surface installation  
Main switch and maintenance  
switch UKP1  
20, 25, 32A

UKPN1/L2



表面安装  
总开关、维修开关  
UKPN1  
20, 25, 32A  
Surface installation  
Main switch and maintenance  
switch UKPN1  
20, 25, 32A

UKP3/L3



表面安装  
总开关、维修开关  
UKP3  
32, 40, 50, 63A  
Surface installation  
Main switch and maintenance  
switch UKP3  
32, 40, 50, 63A

UKPN3/L3



表面安装  
总开关、维修开关  
UKPN3  
32, 40, 50, 63A  
Surface installation  
Main switch and maintenance  
switch UKPN3  
32, 40, 50, 63A

UKP5/L5



表面安装  
总开关、维修开关  
UKP5  
63, 80, 100, 125, 150A  
Surface installation  
Main switch and maintenance  
switch UKP5  
63, 80, 100A

UKPN5/L5



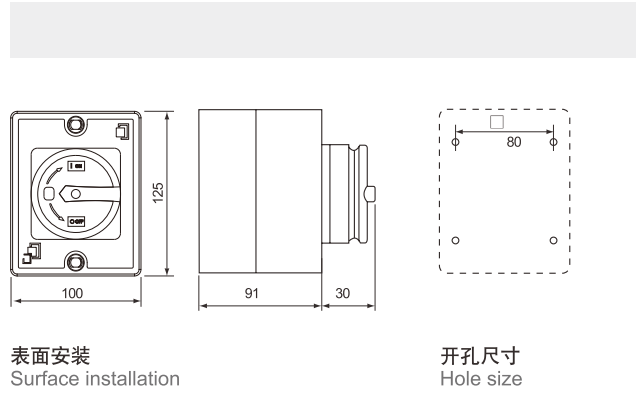
表面安装  
总开关、维修开关  
UKPN5  
63, 80, 100, 125, 150A  
Surface installation  
Main switch and maintenance  
switch UKPN5  
63, 80, 100, 125, 150A

# Load Isolation Switch UKP Installation Way

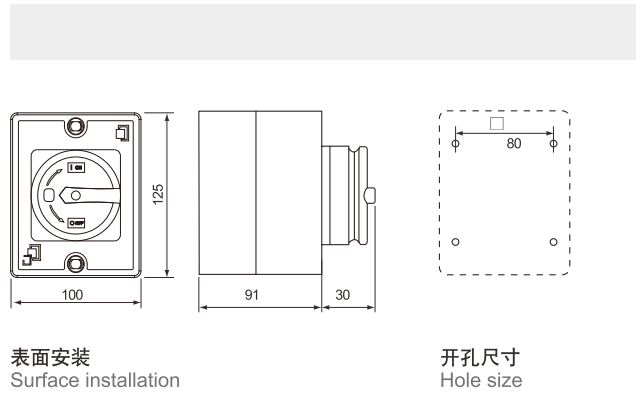
## 负荷隔离开关UKP安装形式



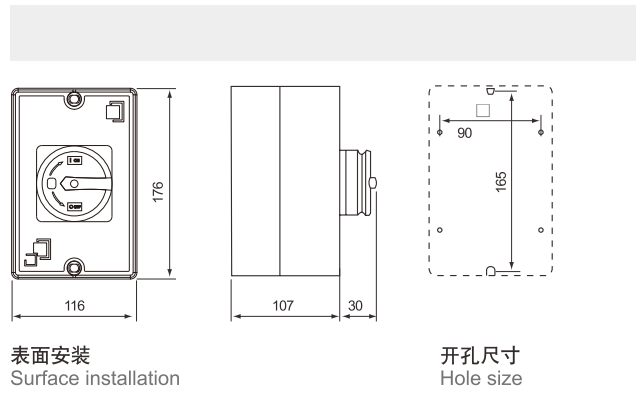
表面安装  
总开关、维修开关  
UKPW0  
10, 16, 20A  
Surface installation  
Main switch and maintenance  
switch UKPW1  
10, 16, 20A



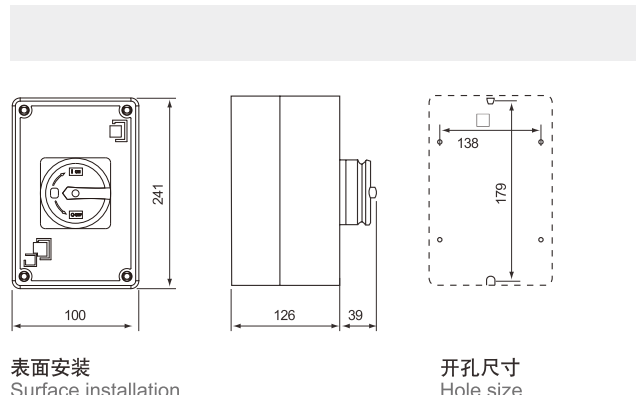
表面安装  
总开关、维修开关  
UKPW1  
20, 25, 32A  
Surface installation  
Main switch and maintenance  
switch UKPW1  
10, 16, 20A



表面安装  
总开关、维修开关  
UKPW3  
32, 40, 50, 63A  
Surface installation  
Main switch and maintenance  
switch UKPW3  
20, 25, 32A



表面安装  
总开关、维修开关  
UKPW5  
63, 80, 100, 125, 150A  
Surface installation  
Main switch and maintenance  
switch UKPW5  
32, 40, 50, 63A



# Load Isolation Switch UKP Installation Way

## 负荷隔离开关UKP安装形式

UKP0/EA/SVB



通-断开开关UKP0.../EA/SVB  
平齐安装式  
10, 16, 20A

On-off switch UKP0.../EA/SVB  
parallel and level installation  
10, 16, 20A

UKP0/V/SVB



通-断开开关UKP0.../V/SVB  
后部安装  
10, 16, 20A

On-off switch UKP0.../V/SVB  
Rear installation  
10, 16, 20A

UKP1/EA/SVB



通-断开开关UKP1.../EA/SVB  
平齐安装式  
20, 25, 32A

On-off switch UKP1.../EA/SVB  
parallel and level installation  
20, 25, 32A

UKP1/V/SVB



通-断开开关UKP1.../V/SVB  
后部安装  
20, 25, 32A

On-off switch UKP1.../V/SVB  
Rear installation  
20, 25, 32A

UKP3/EA/SVB



通-断开开关UKP3.../EA/SVB  
平齐安装式  
32, 40, 50, 63A

On-off switch UKP3.../EA/SVB  
parallel and level installation  
32, 40, 50, 63A

UKP3/V/SVB



通-断开开关UKP3.../V/SVB  
后部安装  
32, 40, 50, 63A

On-off switch UKP3.../V/SVB  
Rear installation  
32, 40, 50, 63A

UKP5/EA/SVB



通-断开开关UKP5.../EA/SVB  
平齐安装式  
63, 80, 100A

On-off switch UKP5.../EA/SVB  
parallel and level installation  
63, 80, 100A

UKP5/V/SVB



通-断开开关UKP5.../V/SVB  
后部安装  
63, 80, 100, 125, 150A

On-off switch UKP5.../V/SVB  
Rear installation  
63, 80, 100A

# Load Isolation Switch UKP Installation Way

## 负荷隔离开关UKP安装形式

UKP0/ZAV



通-断开关UKP0.../ZAV  
后部安装（柜外操作）  
10, 16, 20A

On-off switch UKP0.../ZAV  
Screw Fasten To the Switch Base  
10, 16, 20A

UKP3/ZAV



通-断开关UKP3.../ZAV  
后部安装（柜外操作）  
32, 40, 50, 63A

On-off switch UKP3.../ZAV  
Screw Fasten To the Switch Base  
32, 40, 50, 63A

UKP1/ZAV



通-断开关UKP1.../ZAV  
后部安装（柜外操作）  
20, 25, 32A

On-off switch UKP1.../ZAV  
Screw Fasten To the Switch Base  
20, 25, 32A

UKP5/ZAV



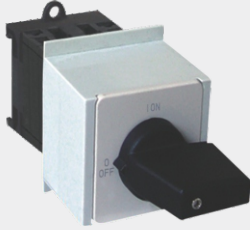
通-断开关UKP5.../ZAV  
后部安装（柜外操作）  
63,80,100,125,150A

On-off switch UKP5.../ZAV  
Screw Fasten To the Switch Base  
63,80,100,125,150A

# Load Isolation Switch UKP Installation Way

## 负荷隔离开关UKP安装形式

UKP0/IVS



通-断开关UKP0.../IVS

配电柜安装  
10, 16, 20AOn-off switch UKP0.../IVS  
Distribution Cabinet Installation  
10, 16, 20A

UKP0/Z



通-断开关UKP0.../Z

后部安装  
10, 16, 20AOn-off switch UKP0.../Z  
Rear installation  
10, 16, 20A

UKP1/IVS



通-断开关UKP1.../IVS

配电柜安装  
20, 25, 32AOn-off switch UKP 1.../IVS  
Distribution Cabinet Installation  
20, 25, 32A

UKP1/Z



通-断开关UKP1.../Z

后部安装  
20, 25, 32AOn-off switch UKP1.../Z  
Rear installation  
20, 25, 32A

UKP3/IVS



通-断开关UKP3.../IVS

配电柜安装  
32, 40, 50, 63AOn-off switch UKP3.../IVS  
Distribution Cabinet Installation  
32, 40, 50, 63A

UKP3/Z



通-断开关UKP3.../Z

后部安装  
32, 40, 50, 63AOn-off switch UKP3.../Z  
Rear installation  
32, 40, 50, 63A

UKP5/IVS



通-断开关UKP5.../IVS

配电柜安装  
63, 80, 100AOn-off switch UKP5.../IVS  
Distribution Cabinet Installation  
63, 80, 100A

UKP5/Z



通-断开关UKP5.../Z

后部安装  
63, 80, 100, 125, 150AOn-off switch UKP5.../Z  
Rear installation  
63, 80, 100, 125, 150A

# Cam Switch UKT Installation Way

## 凸轮开关UKT安装形式

UKT0/L2



表面安装  
转换UKT0  
10, 16, 20A

Surface installation  
Transfer UKT0  
10, 16, 20A

UKTN0/L2



表面安装  
转换UKTN0  
10, 16, 20A

Surface installation  
Transfer UKT0  
10, 16, 20A

UKT3/L3



表面安装  
转换UKT3  
20, 32, 40A

Surface installation  
Transfer UKT3  
20, 32, 40A

UKTN3/L3



表面安装  
转换UKTN3  
20, 32, 40A

Surface installation  
Transfer UKT3  
20, 32, 40A

UKT5/L5



表面安装  
转换UKT5  
63, 80, 100A

Surface installation  
Transfer UKT5  
63, 80, 100A

UKTN5/L5



表面安装  
转换UKTN5  
63, 80, 100A

Surface installation  
Transfer UKT5  
63, 80, 100A

# Cam Switch UKT Installation Way

## 凸轮开关UKT安装形式

UKT0/E



转换开关UKT0.../E  
平齐安装式  
10, 16, 20A

Transfer switch UKT0.../E  
parallel and level installation  
10, 16, 20A

UKT0/IVS



用于二个旋转方向  
星-三角开关UKT0.../IVS  
配电柜安装  
10, 16, 20A

Used for two rotation directions  
Star-delta switch UKT0.../IVS  
Distribution Cabinet Installation  
10, 16, 20A

UKT3/E



转换开关UKT3.../E  
平齐安装式  
25, 32, 40A

Transfer switch UKT3.../E  
parallel and level installation  
25, 32, 40A

UKT0/IVS



用于二个旋转方向  
星-三角开关UKT0.../IVS  
配电柜安装  
25, 32, 40A

Used for two rotation directions  
Star-delta switch UKT0.../IVS  
Distribution Cabinet Installation  
25, 32, 40A

UKT0/E



转换开关UKT0.../E  
平齐安装式  
10, 16, 20A

Transfer switch UKT0.../E  
parallel and level installation  
10, 16, 20A

UKT0/Z



双向弹簧复位至0 UKT0.../Z  
后部安装  
10, 16, 20A

Double-acting spring resets to 0  
UKT0.../Z  
Rear installation  
10, 16, 20A

UKT3/E



转换开关UKT3.../E  
平齐安装式  
25, 32, 40A

Transfer switch UKT3.../E  
parallel and level installation  
25, 32, 40A

UKT0/EZ



步进开关 UKT0.../EZ  
后部安装  
10, 16, 20A

Stepping switch UKT0.../EZ  
Rear installation  
10, 16, 20A

# Cam Switch UKT Installation Way

## 凸轮开关UKT安装形式

UKT0/E



双向360°旋转 UKT0.../E  
平齐安装式  
10, 16, 20A

Bi-direction rotating in 360°  
Measure current UKT0.../E  
parallel and level installation  
10, 16, 20A

UKT0/EZ



双向360°旋转 UKT0.../EZ  
后部安装  
10, 16, 20A

Bi-direction rotating in 360°  
Measure current UKT0.../EZ  
Rear installation  
10, 16, 20A

UKT3/E



多速开关UKT3.../E  
平齐安装式  
25, 32, 40A

Multi-speed switch UKT3.../E  
parallel and level installation  
25, 32, 40A

UKT3/EZ



从手动位置(START)弹簧复位  
至手动位置(HAND) UKT3.../EZ  
后部安装  
25, 32, 40A

The spring resets to HAND position  
from START position UKT3.../EZ  
Rear installation  
25, 32, 40A

UKT0/E



多速开关UKT0.../E  
平齐安装式  
10, 16, 20A

Multi-speed switch UKT0.../E  
parallel and level installation  
10, 16, 20A

UKT0/EZ



电压表选择开关 UKT0.../EZ  
后部安装  
10, 16, 20A

Voltmeter selector switch UKT0.../EZ  
Rear installation  
10, 16, 20A

UKT5



星-三角开关UKT5  
63, 80, 100A  
Star-delta switch UKT5  
63, 80, 100A

UKT5



换向开关UKT5  
63, 80, 100A  
Commutation switch UKT5  
63, 80, 100A

# Cam Switch UKT Installation Way

## 凸轮开关UKT安装形式

UKT0/E



双向360°旋转 UKT0.../E  
平齐安装式  
10, 16, 20A

Bi-direction rotating in 360°  
Measure current UKT0.../E  
parallel and level installation  
10, 16, 20A

UKT0/E



手动/自动开关 UKT0.../E  
平齐安装式  
10, 16, 20A

Manual/auto switch UKT0.../E  
parallel and level installation  
10, 16, 20A

UKT3/E



从手动位置(HAND)弹簧复位  
至0 UKT3.../E  
平齐安装式  
25, 32, 40A

The spring resets to 0 from  
HAND position UKT3.../E  
parallel and level installation  
25, 32, 40A

UKT5ZAV



换向开关UKT5...ZAV  
63, 80, 100A

Commutation switch  
UKT5...ZAV  
63, 80, 100A

UKT0/IVS



转换开关UKT0.../IVS  
配电柜安装  
10, 16, 20A

Transfer switch UKT0.../IVS  
Distribution Cabinet Installation  
10, 16, 20A

UKT0/EZ



转换开关UKT0.../EZ  
后部安装  
10, 16, 20A

Transfer switch UKT0.../EZ  
Rear installation  
10, 16, 20A

UKT3/IVS



转换开关UKT3.../IVS  
配电柜安装  
25, 32, 40A

Transfer switch UKT3.../IVS  
Distribution Cabinet Installation  
25, 32, 40A

UKT3/EZ



转换开关UKT3.../EZ  
后部安装  
25, 32, 40A

Transfer switch UKT3.../EZ  
Rear installation  
25, 32, 40A

# UKP / UKT Main Switch And Maintenance Switch

## UKP / UKT总开关、维修开关

电路图 Circuit diagram	徽牌 Emblem	主触点 极数 Pole no. of main contact	辅助 触点 Auxiliary contact	三相电动机 额定功率 Rated power of three-phase motor 50 ~ 60Hz AC-3	额定持 续电流 Rated continuous current I <sub>u</sub> A	基本类型 Basic type 在...处插入 Insert in...lace. 安装形式代码 Code of installation way	平齐安装 Parallel and level installation	用作急停设备 Used as emergency- stop equipment 表面安装 Surface installation	后部安装 Rear installation
		N/O	N/O N/C	230V 400V KW KW					

无辅助触点的总开关 Main switch without auxiliary contact

	1	0	0	1	1.3	10,16	UKT0-1-8200/...	EA/SVB	I1/SVB	V/SVB
				1	1.3	20,25	UKT3-1-8200/...	EA/SVB	I2/SVB	V/SVB
				1.8	3.6	32,40,50	UKT5B-1-8200/...	EA/SVB	I3/SVB	V/SVB
				5 7.3	7.3 12.3	63,80,100	UKT5-1-8200/...	EA/SVB	I4/SVB	V/SVB
	2	0	0	1	1.3	10,16	UKT0-1-102/...	EA/SVB	I1/SVB	V/SVB
				2.2	2.2	20,25	UKT3-1-102/...	EA/SVB	I2/SVB	V/SVB
				3	5.5	32,40,50	UKT5B-1-102/...	EA/SVB	I3/SVB	V/SVB
				7.5 11	11 18.5	63,80,100	UKT5-1-102/...	EA/SVB	I4/SVB	V/SVB
	3	0	0	3	4	10,16	UKP1-10/16/...	EA/SVB	I1/SVB	V/SVB
				5.5	7.5	20,25	UKP1-20/25/...	EA/SVB	I2/SVB	V/SVB
				7.5	13	32,40,50	UKP3-32/40/50/...	EA/SVB	I3/SVB	V/SVB
				15 22	30 37	63,80,100	UKP5-63/80/100/...	EA/SVB	I5/SVB/N	V/SVB
	3+N	0	0	3	4	10,16	UKP0-10/16/...	EA/SVB/N	I1/SVB/N	V/SVB/N
				5.5	7.5	20,25	UKP1-20/25/...	EA/SVB/N	I2/SVB/N	V/SVB/N
				7.5	13	32,40,50	UKP3-32/40/50/...	EA/SVB/N	I3/SVB/N	V/SVB/N
				15 22	30 37	63,80,100	UKP5-63/80/100/...	EA/SVB/N	I4/SVB/N	V/SVB/N

### 说明 Note

■ 型号由两部分构成：基本类型+安装形式代码

例如：UKP1-25/....., 插入EA/SVB, 则型号为UKP1-25/EA/SVB, 表示有急停功能的平齐安装式总开关UKP1, 额定持续电流为25A。

■ 用作急停设备的总开关, 带红色手柄的黄色锁圈, 在0(Off)位置加锁, 按照IEC/EN 60204/1。

■ 无急停功能的总开关带黑色手柄和黑色锁圈, 在0(Off)位置可加锁, 其型号带后缀“-SW”。

例如：UKP1-25/EA/SVB-SW(表示黑色)

■ 外壳采用米制电缆接线, 按照EN 50 262。

■ The model is composed of basic type and code of installation way For example, UKP1-25 insert EA/SVB), the model is UKP1-25/EA/SVB, which means it is the parallel and level installation type main switch UKP1 with emergency-stop function, the rated continuous current is 25A.

■ The main switch used as emergency-stop equipment with red handle and yellow lock ring, can be locked in the 0 (Off) position according to IEC/EN 60204-1.


■ The main switch without emergency-stop function has black handle and black lock ring, it can be locked in the 0 (Off) position, the model is suffixed with SW.

For example UKP1-25/EA-/SVB-SW (Denote black)

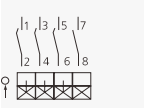
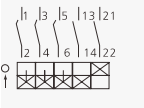
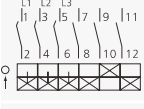
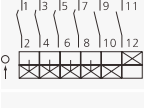
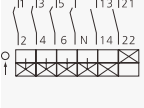
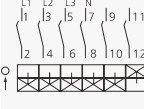
■ The enclosure is connected with metric cable according to EN 50 262.

# UKP / UKT Main Switch And Maintenance Switch

## UKP / UKT总开关、维修开关

电路图 Circuit diagram	徽牌 Emblem	主触点 极数 Pole no. of main contact	辅助 触点 Auxiliary contact	三相电动机 额定功率 Rated power of three-phase motor 50 ~ 60Hz AC-3		额定持 续电流 Rated continuous current I <sub>n</sub> A	基本类型 Basic type 在...处插入 Insert in...lace. 安装形式代码 Code of installation way	平齐安装 Parallel and level installation	用作急停设备 Used as emergency-	后部安装 Rear installation
		N/O	N/O N/C	230V KW	400V KW					

带辅助触点的总开关 Main switch with auxiliary contact

	3	1	0	3	4	20	UKT0-2-15679/...	EA/SVB	I3/SVB	V/SVB
	3	1	1	3	4	10,16	UKP0-10/16/...	EA/SVB/HI11	I1/SVB/HI11	V/SVB/HI11
				5.5	7.5	20,25	UKP1-20/25/...	EA/SVB/HI11	I2/SVB/HI11	V/SVB/HI11
				7.5	13	32,40,50	UKP3-32/40/50/...	EA/SVB/HI11	I3/SVB/HI11	V/SVB/HI11
				15 22	30 37	63,80,100	UKP5-63/80/100/...	EA/SVB/HI11	I5/SVB/N/HI11	V/SVB/HI11
	3	2	1	3	4	20	UKT0-3-15683/...	EA/SVB	I3/SVB	V/SVB
				6.5	12	32	UKT3-3-15683/...	EA/SVB	I3/SVB	V/SVB
	3+N	1	1	3	4	20	UKT0-3-15680/...	EA/SVB	I3/SVB	V/SVB
				6.5	12	32	UKT3-3-15680/...	EA/SVB	I3/SVB	V/SVB
	3+N	1	1	3	4	10,16	UKP0-10/16...	EA/SVB/N/HI11	-	V/SVB/N/HI11
				5.5	7.5	20,25	UKP1-20/25...	EA/SVB/N/HI11	-	V/SVB/N/HI11
				7.5	13	32,40,50	UKP3-30/40/50...	EA/SVB/N/HI11	I3/SVB/N/HI11	V/SVB/N/HI11
				15 22	30 37	63,80,100	UKP5-63/80/100/...	EA/SVB/N/HI11	I4/SVB/n/HI11	V/SVB/N/HI11
				30	45	125,150	UKP5-125/150...	EA/SVB/N/HI11	I4/SVB/n/HI11	V/SVB/N/HI11
	3+N	1	1	3	4	10,16	UKT0-3-15681/...	EA/SVB	I3/SVB	V/SVB
				5.5	7.5	20,25	UKT1-3-15681/...	EA/SVB	I3/SVB	V/SVB
				7.5	13	32,40,50	UKT3-3-8901/...	EA/SVB	I3/SVB	V/SVB
				15 22	30 37	63,80,100	UKT5-3-8901/...	EA/SVB	I5/SVB	V/SVB

说明：电路图符号的含义如下：

Denote: the description for symbol of circuit diagram as follows

	触点闭合 Contact closes		自动复位(弹簧复位) Auto resetting (spring resetting)		触点闭合过程有中断 The contact interrupts during closing
	触点始终处于闭合状态 The contact is always in the state of closing		触点延迟分断 Contact opens lingeringly		触点提前闭合 Contact closes ahead

# UKP / UKT On-Off Switch

## UKP / UKT 通断开关

电路图 Circuit diagram	徽牌 Emblem	主触点 极数 Pole no. of main contact	辅助 触点 Auxiliary contact	三相电动机 额定功率 Rated power of three-phase motor 50 ~ 60Hz AC-3		额定持 续电流 Rated continuous current I <sub>n</sub> A	基本类型 Basic type 在...处插入 Insert in...lace. 安装形式代码 Code of installation way	平齐安装 Parallel and level installation	中心安装 Central installation	表面安装 Surface installation	配电柜安装 Installation of distributor cabinet	后部安装 Rear installation
		N/O	N/O N/C	230V KW	400V KW							

无辅助触点的总开关 On-off switch without auxiliary contact 黑色手柄，灰色徽牌 Black handle and gray emblem


	1	0 0	1	1.3	10,16	UKT0-1-8200/...	E	EZ	I1	IVS	Z
			1.8	3.6	20,25	UKT1-1-8200/...	E	EZ	I2	-	Z
			5	7.3	32,40,50	UKT3-1-8200/...	E	-	I3	-	Z
			7.3	12.3	63,80100	UKT5-1-8200/...	E	-	I4	-	Z
	2	0 0	2.2	2.2	10,16	UKT0-1-102/...	E	EZ	I1	IVS	Z
			3	5.5	20,25	UKT1-1-102/...	E	EZ	I2	-	Z
			7.5	11	32,40,50	UKT3-1-102/...	E	-	I3	-	Z
			11	18.5	63,80100	UKT5-1-102/...	E	-	I4	-	Z
	3	0 0	5.5	7.5	10,16	UKT0-2-10/16/...	E	EZ	I1	IVS	Z
			7.5	13	20,25	UKP1-20/25/...	E	EZ	I2	IVS	Z
			15	30	32,40,50	UKP3-32/40/50/...	E	EZ	I3	IVS	Z
			22	37	63,80100	UKP5-63/80/100/...	E	-	I5	IVS	Z
	3+N	0 0	5.5	7.5	10,16	UKT0-2-8900/...	E/N	EZ/N	I1/N	IVS	Z
			7.5	13	20,25	UKP1-20/25/...	E/N	EZ/N	I2/N	IVS/N	Z/N
			15	30	32,40,50	UKP3-32/40/50/...	E/N	-	I3/N	IVS/N	Z/N
			22	37	63,80100	UKP5-63/80/100/...	E/N	-	I5/N	IVS/N	Z/N
			30	45	125.150	UKP5-125/150...	E/N	-	I5/N	IVS/N	Z/N

带辅助触点的通断开关 On-off switch with auxiliary contact 黑色手柄，灰色徽牌 Black handle and gray emblem

	3	1 0	3	4	10,16	UKT0-2-15679/...	E	EZ	I1	IVS	Z
	3	1 1	3	4	10,16	UKT0-3-8901/...	E	EZ	I1	IVS	Z
			6.5	12	32	UKT3-3-8901/...	E	EZ	I3	-	Z
	3	1 1	5.5	7.5	10,16	UKP0-10/16/...	E/HI11	EZ/HI11	I2/HI11	IVS/HI11	Z/HI11
			7.5	13	20,25	UKP1-20/25/...	E/HI11	EZ/HI11	I2/HI11	IVS/HI11	Z/HI11
			15	30	32,40,50	UKP3-32/40/50/...	E/HI11	-	I4/HI11	IVS/HI11	Z/HI11
			22	37	63,80,100	UKP5-63/80/100/...	E/HI11	-	I5/HI11	IVS/HI11	Z/HI11
	3	1 1	3	4	10,16	UKT0-3-15683/...	E	EZ	I1	IVS	Z
			6.5	12	32	UKT3-3-15683/...	E	EZ	I3	-	Z



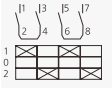

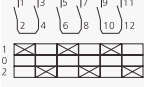

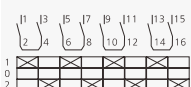



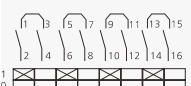

# UKT Control Switch: Transfer Switch

UKT控制开关: 转换开关

电路图 Circuit diagram	徽牌 Emblem	主触点 极数 Pole no. of main contact	三相电动机 额定功率 Rated power of three-phase motor 50 ~ 60Hz AC-3	额定持 续电流 Rated continuous current I <sub>n</sub> A	基本类型 Basic type 在...处插入 Insert in...lace. 安装形式代码 Code of installation way	平齐安装 Parallel and level installation	中心安装 Central installation	表面安装 Surface installation	配电柜安装 Installation of distributor cabinet	后部安装 Rear installation
		N/O 	230V KW	400V KW						

带0(Off)位置的转换开关 Change over switch with 0 (Off) position

成组开关, 电源转换开关 Burst switch, power supply transfer switch

		1	1	1.3	20	UKT0-1-8210/...	E	EZ	I3	IVS	Z
			1.8	3.6	32	UKT3-1-8210/...	E	EZ	I3	-	Z
			5	7.3	63	UKT5-1-8210/...	E	-	I4	-	Z
		2	2.2	2.2	20	UKT0-2-8211/...	E	EZ	I3	IVS	Z
			3	5.5	32	UKT3-2-8211/...	E	EZ	I3	-	Z
			7.5	11	63	UKT5-2-8211/...	E	-	I4	-	Z
		3	3	4	20	UKT0-3-8212/...	E	EZ	I2	IVS	Z
			6.5	12	32	UKT3-3-8212/...	E	EZ	I3	-	Z
			15	22	63	UKT5B-3-8212/...	E	-	I6	-	Z
			18.5	30	100	UKT5-3-8212/...	E	EZ	I6	-	Z
		4	3	4	20	UKT0-4-8213/...	E	EZ	I3	IVS	Z
			6.5	12	32	UKT3-4-8213/...	E	-	I3	-	Z
			15	22	63	UKT5B-4-8213/...	E	-	I6	-	Z
			18.5	30	100	UKT5-4-8213/...	E	EZ	I6	-	Z
		4	3	4	20	UKT0-4-8294/...	E	EZ	I3	IVS	Z
			6.5	12	32	UKT3-4-8294/...	E	-	I3	-	Z
			15	22	63	UKT5B-4-8294/...	E	-	I6	-	Z
			18.5	30	100	UKT5-4-8294/...	E	EZ	I6	-	Z
		4	6.5	12	32	UKT3-4-8902/...	E	EZ	I3	-	Z
			15	22	63	UKT5B-4-8902/...	E	-	I6	-	Z
			18.5	30	100	UKT5-4-8902/...	E	-	I6	-	Z

双向弹簧复位至0 Double-acting spring resets to 0.

		1	1	1.3	20	UKT0-1-8214/...	E	EZ	I3	IVS	Z
			1.8	3.6	32	UKT3-1-8214/...	E		I3	-	Z
		2	2.2	2.2	20	UKT0-2-8215/...	E	EZ	I3	IVS	Z
			3	5.5	32	UKT3-2-8215/...	E		I3	-	Z
		3	3	4	20	UKT0-3-8216/...	E	EZ	I3	IVS	Z
			6.5	12	32	UKT3-3-8216/...	E		I3	-	Z


# UKT Control switch: Transfer switch, Spring-resetting start and stop switch

## UKT控制开关：转换开关、弹簧复位式启停开关

电路图 Circuit diagram	徽牌 Emblem	主触点 极数 Pole no. of main contact	三相电动机 额定功率 Rated power of three-phase motor 50 ~ 60Hz AC-3	额定持 续电流 Rated continuous current Iu A	基本类型 Basic type 在...处插入 Insert in...lace. 安装形式代码 Code of installation way	平齐安装 Parallel and level installation	中心安装 Central installation	表面安装 Surface installation	配电柜安装 Installation of distributor cabinet	后部安装 Rear installation
		N/O 	230V KW	400V KW						

不带0(off)位置的转换开关 Change over switch without 0 (Off) position 黑色手柄,灰色徽牌 Black handle and gray emblem

### 转换开关 Transfer switch

  FS 943	1	1.1	1.3	20	UKT0-1-8220/...	E	EZ	I3	IVS	Z
		1.8	3.6	32	UKT3-1-8220/...	E	EZ	I3	-	Z
  FS 943	2	2.2	2.2	20	UKT0-2-8221/...	E	EZ	I3	IVS	Z
		3	5.5	32	UKT3-2-8221/...	E	EZ	I3	-	Z
		7.5	11	63	UKT5B-2-8221/...	E	-	I4	-	Z
  FS 943	3	3	4	20	UKT0-3-8222/...	E	EZ	I3	IVS	Z
		6.5	12	32	UKT3-3-8222/...	E	EZ	I3	-	Z
		15	22	63	UKT5B-3-8222/...	E	-	I5	-	Z
  FS 943	4	3	4	20	UKT0-4-8223/...	E	EZ	I3	IVS	Z
		6.5	12	32	UKT3-4-8223/...	E	EZ	I3	-	Z
		15	22	63	UKT5B-4-8223/...	E	-	I6	-	Z
		18.5	30	100	UKT5-4-8223/...	E	-	I6	-	Z


### 弹簧复位式启停开关 Spring-resetting start and stop switch

从开始位置(START)弹簧复位至0 黑色手柄,灰色徽牌 Spring resets to 0 from (START) position, black handle, gray emblem.

  FS 147767	1	-	-	-	UKT0-1-15511/...	E	EZ	I1	IVS	Z
  FS 147767	2	-	-	-	UKT0-2-15512/...	E	EZ	I1	IVS	Z
  FS 147767	3	-	-	-	UKT0-3-15513/...	E	EZ	I1	IVS	Z
  FS 140660	-	-	-	-	UKT0-2-8177/...	E	EZ	I1	IVS	Z

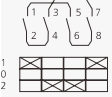

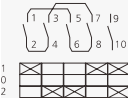

# UKT Control Switch: Transfer switch, Star-delta Switch

UKT控制开关：换向开关、星-三角开关

电路图 Circuit diagram	徽牌 Emblem	主触点 极数 Pole no. of main contact	三相电动机 额定功率 Rated power of three-phase motor 50 ~ 60Hz AC-3	额定持 续电流 Rated continuous current Iu A	基本类型 Basic type 在...处插入 Insert in...lace. 安装形式代码 Code of installation way	平齐安装 Parallel and level installation	中心安装 Central installation	表面安装 Surface installation	配电柜安装 Installation of distributor cabinet	后部安装 Rear installation
		N/O 	230V KW	400V KW						

带0(Off)位置的转换开关 黑色手柄，灰色徽牌 Change over switch with 0 (Off) position Black handle and gray emblem

无弹簧复位 No spring resetting

	 FS 684	2	2.2	2.2	20	UKT0-2-8400/...	E	EZ	I3	IVS	Z
			3	5.5	32	UKT3-2-8400/...	E	EZ	I3	-	Z
			7.5	11	63	UKT5-2-8400/...	E	-	I4	-	Z
	 FS 684	3	3	4	20	UKT0-3-8401/...	E	EZ	I3	IVS	Z
			6.5	12	32	UKT3-3-8401/...	E	EZ	I3	-	Z
			15	22	63	UKT5B-2-8401/...	E	-	I5	-	Z
			18.5	30	100	UKT5-3-8401/...	E	-	I5	-	Z

双向弹簧复位至0 Double-acting spring resets to 0.

	 FS 4011	3	3	4	20	UKT0-3-8228/...	E	EZ	I3	IVS	Z
			6.5	12	32	UKT3-3-8228/...	E	EZ	I3	-	Z
			15	22	63	UKT5B-3-8228/...	E	-	I5	-	Z

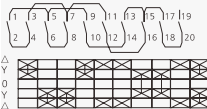

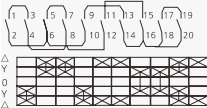

星-三角开关 Star-delta switch

黑色手柄和灰色徽牌 Black handle and gray emblem

	 FS 635	4	4	5.5	20	UKT0-4-8410/...	E	EZ	I3	IVS	Z
			7.5	18.5	32	UKT3-4-8410/...	E	EZ	I3	-	Z
			22	37	63	UKT5B-4-8410/...	E	-	I6	-	Z

星-三角开关黑色手柄和灰色徽牌 Star-delta switch Black handle and gray emblem

用于两个旋转方向 Used for two rotation directions

	 FS 638	3	4	5.5	20	UKT0-5-15876/...	E	EZ	I3	IVS	Z
			7.5	18.5	32	UKT3-5-15876/...	E	EZ	I6	-	Z
	 FS 4017	3	22	37	63	UKT5B-3-15876/...	E	-	I6	-	Z

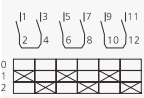

# UKT Control switch: Commutation multi-speed switch

## UKT控制开关：换向多速开关

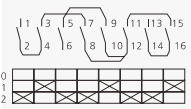

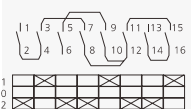

电路图 Circuit diagram	徽牌 Emblem	主触点 极数 Pole no. of main contact	三相电动机 额定功率 Rated power of three-phase motor 50 ~ 60Hz AC-3	额定持续 电流 Rated continuous current I <sub>n</sub> A	基本类型 在...处插入 Insert in...lace. 安装形式代码 Code of installation way	平齐安装 Parallel and level installation	中心安装 Central installation	表面安装 Surface installation	配电柜 安装 Installation of distributor cabinet	后部安装 Rear installation
		N/O 	230V KW	400V KW						

多速开关 黑色手柄，灰色徽牌 Multi-speed switch Black handle and gray emblem

2速，不换向，用于2个单独绕组 2-speed, no commutation, for 2 separate windings

		3	3	4	20	UKT0-3-8451/...	E	EZ	I3	IVS	Z
			6.5	12	32	UKT3-3-8451/...	E	EZ	I3	-	Z
			15	22	63	UKT5B-3-8451/...	E	-	I5	-	Z

用于多抽头绕组 Multi-speed switch

		4	3	4	20	UKT0-4-8440/...	E	EZ	I3	IVS	Z
			6.5	12	32	UKT3-4-8440/...	E	EZ	I3	-	Z
			15	22	63	UKT5B-4-8440/...	E	-	I5	-	Z
		4	3	4	20	UKT0-4-8441/...	E	EZ	I3	IVS	Z
			6.5	12	32	UKT3-4-8441/...	E	EZ	I3	-	Z
			15	22	63	UKT5B-4-8441/...	E	-	I6	-	Z

多速开关 黑色手柄和灰色徽牌 Multi-speed switch Black handle and gray emblem

2速，不换向，用于2个单独绕组 2-speed, no commutation, for 2 separate windings

		6	3	4	20	UKT0-6-15866/...	E	EZ	I3	IVS	Z
			6.5	12	32	UKT3-6-15866/...	E	EZ	I3	-	Z
		6	15	22	63	UKT5B-6-15866/...	E	-	I6	-	Z

# UKT Control Switch: Stepping Switch

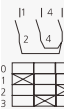



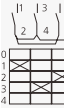
UKT控制开关: 步进开关

电路图 Circuit diagram	徽牌 Emblem	极数 Pole	基本类型 Basic type 在...处插入 Insert in...lace. 安装形式代码 Code of installation way	平齐安装 Parallel and level installation	中心安装 Central installation	表面安装 Surface installation	配电柜 安装 Installation of distributor cabinet	后部安装 Rear installation
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步进开关 黑色手柄和灰色徽牌 Stepping switch Black handle and gray emblem

每一步接通一个触点 (无重复) Make a contact at each step ( no repeat)

带0(Off)位置 With 0(Off) position

		1	UKT0-1-8240/...	E	EZ	I3	IVS	Z
		2	UKT0-2-8241/...	E	EZ	I3	IVS	Z
		2	UKT0-2-8242/...	E	EZ	I3	IVS	Z
		3	UKT0-3-8243/...	E	EZ	I3	IVS	Z
		3	UKT0-3-8244/...	E	EZ	I3	IVS	Z
		3	UKT0-3-8280/...	E	EZ	I3	IVS	Z
		5	UKT0-5-8281/...	E	EZ	-	IVS	Z
		6	UKT0-6-8282/...	E	EZ	-	IVS	Z

说明 Note

- 适于控制电子设备
  - 额定持续电流  $I_u$  20A
  - 额定工作电流  $I_e$
- |               |     |
|---------------|-----|
| AC-15         |     |
| 220~240V      | 6A  |
| 380~415V      | 4A  |
| AC-21A        | 12A |
| DC-13 每个触点32V | 10A |

- Suitable for control electronic equipments
  - $I_u$  Rated continuous current 20A
  - $I_e$  Rated working current
- |                        |     |
|------------------------|-----|
| AC-15                  |     |
| 220~240V               | 6A  |
| 380~415V               | 4A  |
| AC-21A                 | 12A |
| DC-13 Each contact 32V | 10A |

# UKT Control Switch: Stepping Switch

## UKT控制开关: 步进开关

电路图 Circuit diagram	徽牌 Emblem	极数 Pole	基本类型 Basic type 在...处插入 Insert in...lace. 安装形式代码 Code of installation way	平齐安装 Parallel and level installation	中心安装 Central installation	表面安装 Surface installation	配电柜 安装 Installation of distributor cabinet	后部安装 Rear installation
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步进开关 黑色手柄和灰色徽牌 Stepping switch Black handle and gray emblem

每一步接通一个触点 (无重复) Make a contact at each step (no repeat)

不带0(Off)位置 Without 0(Off) position

		1	UKT0-1-8220/...	E	EZ	I1	IVS	Z
		2	UKT0-1-8230/...	E	EZ	I1	IVS	Z
		2	UKT0-1-8231/...	E	EZ	I1	IVS	Z
		3	UKT0-1-8232/...	E	EZ	I1	IVS	Z
		3	UKT0-1-8233/...	E	EZ	I1	IVS	Z
		3	UKT0-1-8222/...	E	EZ	I1	IVS	Z
		5	UKT0-1-8270/...	E	EZ	-	IVS	Z
		6	UKT0-1-8271/...	E	EZ	-	IVS	Z

# UKT Control Switch: On-off Switch, supply transfer switch

## UKT控制开关: 通断开关、转换开关

电路图 Circuit diagram	徽牌 Emblem	极数 Pole	基本类型 Basic type 在...处插入 Insert in...lace. 安装形式代码 Code of installation way	平齐安装 Parallel and level installation	中心安装 Central installation	表面安装 Surface installation	配电柜 安装 Installation of distributor cabinet	后部安装 Rear installation
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通断开关 黑色手柄和灰色徽牌 On-off switch Black handle and gray emblem

		1	UKT0-1-15401/...	E	EZ	I1	IVS	Z
		1	UKT0-1-15402/...	E	EZ	I1	IVS	Z
		2	UKT0-2-15403/...	E	EZ	I1	IVS	Z
		2	UKT0-2-15404/...	E	EZ	I1	IVS	Z

转换开关 黑色手柄和灰色徽牌 Transfer switch Black handle and gray emblem

		1	UKT0-1-15421/...	E	EZ	I1	IVS	Z
		2	UKT0-2-15422/...	E	EZ	I1	IVS	Z
		3	UKT0-3-15423/...	E	EZ	I1	IVS	Z

电路图 Circuit diagram	前面板标签 The front panel label	端子标记 Terminal mark	Links
	START 2 0 1 START		
从0切换到1 Switch from 0 to 1 触点 1 - 2 开 1-2 open contact 触点 3 - 4 开 3-4 open contact 触点 5 - 6 开 5-6 open contact 触点 7 - 8 闭 7-8 closure contact	从1切换到 START 自动返回1 Switch from 1 to START Automatic return 1 触点 1 - 2 开 1-2 open contact 触点 3 - 4 闭 3-4 closure contact 触点 5 - 6 开 5-6 open contact 触点 7 - 8 保持闭 7-8 stays closure contact	从1切换到0 Switch from 1 to 0 触点 1 - 2 开 1-2 open contact 触点 3 - 4 开 3-4 open contact 触点 5 - 6 开 5-6 open contact 触点 7 - 8 开 7-8 open contact	
从0切换到1 Switch from 0 to 1 触点 1 - 2 闭 1-2 closure contact 触点 3 - 4 开 3-4 open contact 触点 5 - 6 开 5-6 open contact 触点 7 - 8 闭 7-8 closure contact	从2切换到 START 自动返回2 Switch from 2 to START Automatic return 2 触点 1 - 2 开 1-2 open contact 触点 3 - 4 开 3-4 open contact 触点 5 - 6 闭, 提前接通 5-6 closure contact, cut in advance 触点 7 - 8 开, 延迟断开 7-8 open contact, Off delay	从2切换到0 Switch from 2 to 0 触点 1 - 2 开 1-2 open contact 触点 3 - 4 开 3-4 open contact 触点 5 - 6 开 5-6 open contact 触点 7 - 8 开 7-8 open contact	

# UKT Control switch: Manual/auto switch

## 控制开关：手动/自动开关

电路图 Circuit diagram	徽牌 Emblem	极数 Pole	基本类型 Basic type 在...处插入 Insert in...lace. 安装形式代码 Code of installation way	平齐安装 Parallel and level installation	中心安装 Central installation	表面安装 Surface installation	配电柜 安装 Installation of distributor cabinet	后部安装 Rear installation
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手动/自动开关 前部 IP65 Manual/auto switch Fore IP65

带0(off)位置 With 0 ( Off ) position

		1	UKT0-1-15431/...	E	EZ	I1	IVS	Z
		2	UKT0-2-15432/...	E	EZ	I1	IVS	Z
		3	UKT0-3-15433/...	E	EZ	I1	IVS	Z

从手动位置(HAND)弹簧复位至0 The spring resets to 0 from HAND position

		1	UKT0-1-15434/...	E	EZ	I1	IVS	Z
		2	UKT0-2-15435/...	E	EZ	I1	IVS	Z

从手动位置 (START) 弹簧复位至手动位置(HAND) The spring resets to HAND position from (START) position

		2	UKT0-2-15907/...	E	EZ	I1	IVS	Z
--	--	---	------------------	---	----	----	-----	---

无0(OFF)位置 Without 0 ( Off ) position

		1	UKT0-1-15451/...	E	EZ	I1	IVS	Z
		2	UKT0-2-15452/...	E	EZ	I1	IVS	Z
		3	UKT0-3-15453/...	E	EZ	I1	IVS	Z

说明 Note

- 适于控制电子设备
  - 额定持续电流  $I_u$  20A
  - 额定工作电流  $I_e$
- |               |     |
|---------------|-----|
| AC-15         |     |
| 220~240V      | 6A  |
| 380~415V      | 4A  |
| AC-21A        | 12A |
| DC-13 每个触点32V | 10A |

- Suitable for control electronic equipments.
  - $I_u$  Rated continuous current 20A
  - $I_e$  Rated working current
- |                        |     |
|------------------------|-----|
| AC-15                  |     |
| 220~240V               | 6A  |
| 380~415V               | 4A  |
| AC-21A                 | 12A |
| DC-13 Each contact 32V | 10A |

# UKT Control Switch: General control switch, Code switch, Tandem switch

## UKT控制开关: 通用控制开关、编码开关、串联开关

电路图 Circuit diagram	徽牌 Emblem	极数 Pole	基本类型 Basic type 在...处插入 Insert in...lace. 安装形式代码 Code of installation way	平齐安装 Parallel and level installation	中心安装 Central installation	表面安装 Surface installation	配电柜 安装 Installation of distributor cabinet	后部安装 Rear installation
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### 通断控制开关 General control switch

黑色手柄和灰色徽牌 Black handle and gray emblem

### 自锁定3位开关 Self-locking 3-position switch

每一位接通1个触点, 另外 Make a contact in each position, in addition,

位置0和1接通1个触点 Make a contact in positions 0 and 1.

位置0和2接通1个触点 Make a contact in positions 0 and 2.

位置1和2接通1个触点 Make a contact in positions 1 and 2.

		-	UKT0-3-15391/...	E	EZ	I1	IVS	Z
--	--	---	------------------	---	----	----	-----	---

从位置1和2弹簧复位至0 Spring resets to from positions 1 and 2.

黑色手柄和灰色徽牌 Black handle and gray emblem

		-	UKT0-3-15394/...	E	EZ	I1	IVS	Z
--	--	---	------------------	---	----	----	-----	---

### 编码开关 Code switch

黑色手柄和灰色徽牌, 双向旋转 Black handle, gray emblem, bi-direction rotating

		双BDC码	UKT0-4-15602/...	E	EZ	I1	IVS	Z
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### 串联开关 Tandem Switch

黑色手柄和灰色徽牌 Black handle and gray emblem

带0(Off)位(加热器开关) With 0 (Off) position (heater switch)

		1	UKT0-1-91/...	E	EZ	I1	IVS	Z
--	--	---	---------------	---	----	----	-----	---

### 说明 Note

■ 适于控制电子设备	
■ 额定持续电流	20A
■ 额定工作电流	
AC-15	
220~240V	6A
380~415V	4A
AC-21A	12A
DC-13 每个触点32V	10A

■ Suitable for control electronic equipments.	
■ Iu Rated continuous current	20A
■ Ie Rated working current	
AC-15	
220~240V	6A
380~415V	4A
AC-21A	12A
DC-13 Each contact 32V	10A

# UKT Control Switch: Instrument Selector Switch

## UKT控制开关：仪表选择开关

电路图 Circuit diagram	徽牌 Emblem	极数 Pole	基本类型 Basic type 在...处插入 Insert in...lace. 安装形式代码 Code of installation way	平齐安装 Parallel and level installation	中心安装 Central installation	表面安装 Surface installation	配电柜 安装 Installation of distributor cabinet	后部安装 Rear installation
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电压表选择开关 黑色手柄和灰色徽牌 Voltmeter selector switch Black handle and gray emblem

		3×相 -相 3× phase-phase 带0(Off)位置 With 0 (Off) position	UKT0-2-15920/...	E	EZ	I1	IVS	Z
		3×相 -相 3× phase-phase 带0(Off)位置 With 0 (Off) position	UKT0-2-15922/...	E	EZ	I1	IVS	Z
		3×相 -N 3× phase-N 带0(Off)位置 With 0 (Off) position	UKT0-2-15921/...	E	EZ	I1	IVS	Z
		3×相 -相 +3×相 -N 3× phase-phase +3× phase-N 带0(Off)位置 With 0 (Off) position	UKT0-3-8007/...	E	EZ	I1	IVS	Z
		3×相 -相 +3×相 -N 3× phase-phase +3× phase-N 带0(Off)位置 With 0 (Off) position 双向360°旋转 Bi-direction rotating in 360°	UKT0-3-15924/...	E	EZ	I1	IVS	Z

电流表选择开关 黑色手柄和灰色徽牌 Voltmeter selector switch Black handle and gray emblem

双向360°旋转 经电流互感器测量电流 Bi-direction rotating in 360° Measure current by way of current transformer

		带0(Off)位置 With 0 (Off) position	UKT0-3-8048/...	E	EZ	I1	IVS	Z
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电压表-电流表选择开关 黑色手柄和灰色徽牌 Voltmeter selector switch Black handle and gray emblem

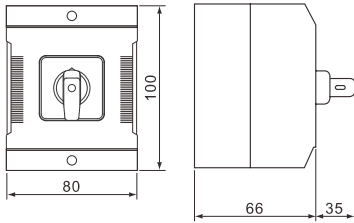
双向360°旋转 经电流互感器测量电流 Bi-direction rotating in 360° Measure current by way of current transformer

		带0(Off)位置 With 0 (Off) position	UKT0-3-8030/...	E	EZ	I1	IVS	Z
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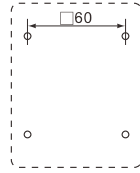
# Mounting Size

## 安装尺寸

UKP0.../L1...  
UKT0.../L1...

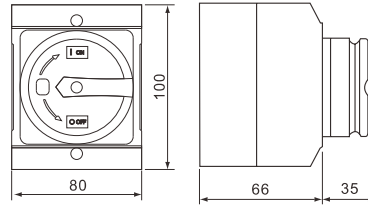


表面安装  
Surface installation

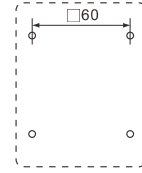


开孔尺寸  
Hole size

UKP0.../L1...  
UKT0.../L1...

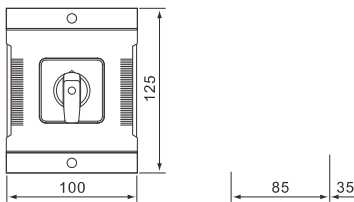


表面安装  
Surface installation

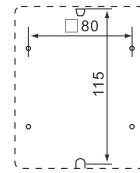


开孔尺寸  
Hole size

UKP1.../L2...  
UKT0.../L2...

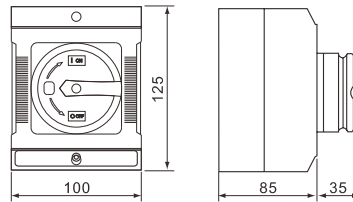


表面安装  
Surface installation

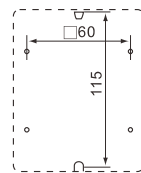


开孔尺寸  
Hole size

UKP1.../L2... UKPN0.../L2... UKTN0.../L2...  
UKT0.../L2... UKPN1.../L2...

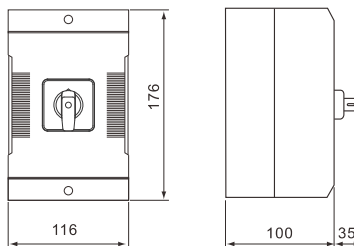


表面安装  
Surface installation

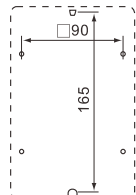


开孔尺寸  
Hole size

UKP3.../L3...  
UKT3.../L3...

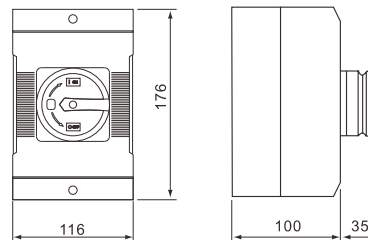


表面安装  
Surface installation

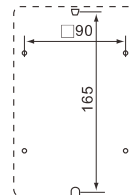


开孔尺寸  
Hole size

UKP3.../L3... UKPN3.../L3... UKTN3.../L3...  
UKT3.../L3...

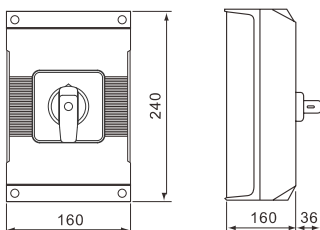


表面安装  
Surface installation

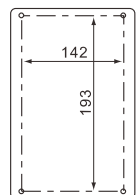


开孔尺寸  
Hole size

UKP5.../L4...  
UKT5.../L4...

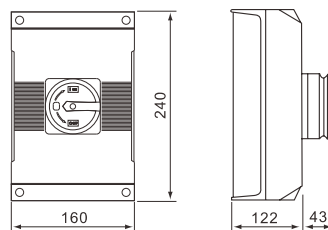


表面安装  
Surface installation

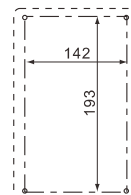


开孔尺寸  
Hole size

UKP5.../L4... UKPN5.../L4... UKTN5.../L4...  
UKT5.../L4...



表面安装  
Surface installation

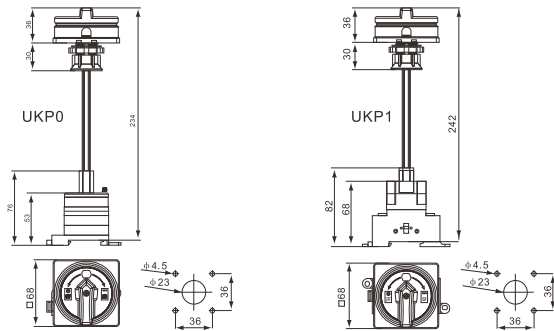


开孔尺寸  
Hole size

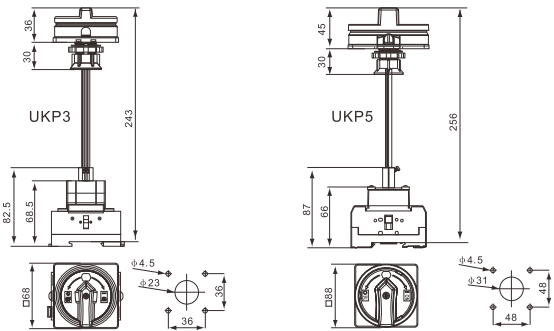
# Mounting Size

## 安装尺寸

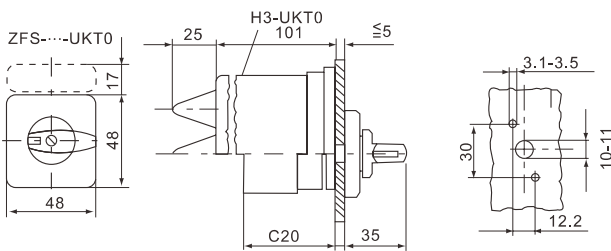
UKP0  
UKP1



UKP3  
UKP5



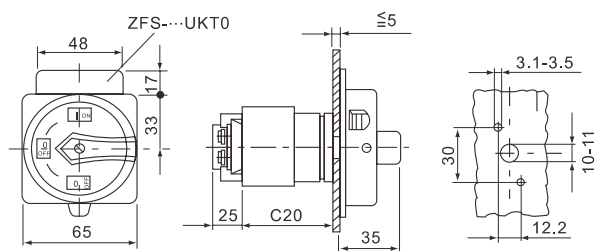
UKT0.../E (+H3-UKT0)  
UKT3.../E (+H3-UKT0)



平齐安装  
Parallel and level installation

开孔尺寸  
Hole size

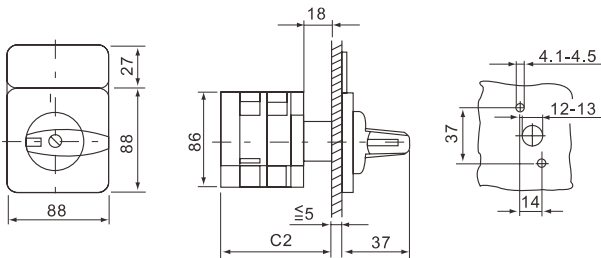
UKT0.../EA/SVB  
UKT3.../EA/SVB



平齐安装式总开关  
Parallel and level installation  
type main switch

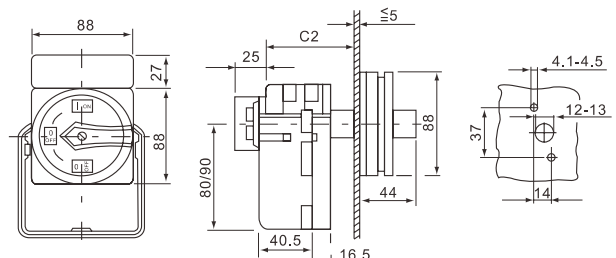
门开孔尺寸  
Door hole size

UKT5.../E



平齐安装  
Parallel and level installation

UKT5.../EA/SVB



平齐安装式总开关  
Parallel and level installation  
type main switch

门开孔尺寸  
Door hole size





型号 Model	C20	型号 Model	C2
UKT0-1...	41	UKT5-1...	54
UKT0-2...	50	UKT5-2...	71
UKT0-3...	80	UKT5-3...	87
UKT0-4...	69	UKT5-4...	104
UKT0-5...	79	UKT5-5...	120
UKT0-6...	88	UKT5-6...	137
UKT0-7...	98	UKT5-7...	153
UKT0-8...	107	UKT5-8...	170
UKT0-9...	117	UKT5-9...	186
UKT0-10...	126	UKT5-10...	203
UKT0-11...	136		

# DC-Switch Disconnectors





光伏直流隔离开关



			直流隔离开关 DC-Switch Disconnectors			
I <sup>th</sup> open at U <sub>e</sub>	DC21B 4Poles in series	(DC-PV1)	面板安装--四孔安装 Panel mounting Four-hole mounting IP66 <sup>1)</sup>	单孔安装 Single hole mounting Φ 22.5mm IP66 <sup>1)</sup>	后部安装 Base mounting w. Door coupling IP66 <sup>1)</sup>	组合开关 Modular switch IP40 <sup>1)</sup>

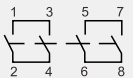
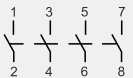
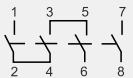
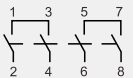
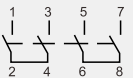
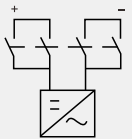
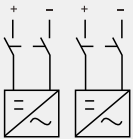
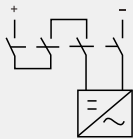
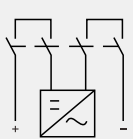
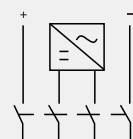

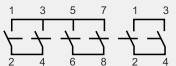

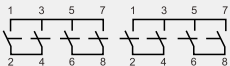
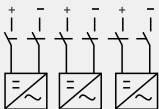
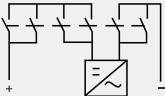
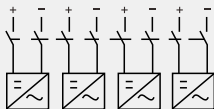
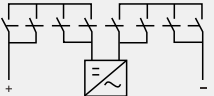
型号 Type	电流(A) Current(A)	额定值(V) Rate(V)				
UKPD32-16	16	1000	.. E ..	.. Z(O) ..	.. VZV ..	.. SMAH1 ..
UKPD32-25	25	1000	.. E ..	.. Z(O) ..	.. VZV ..	.. SMAH1 ..
UKPD32-32	32	1000	.. E ..	.. Z(O) ..	.. VZV ..	.. SMAH1 ..

			直流隔离开关 DC-Switch Disconnectors			
I <sup>th</sup> open at U <sub>e</sub>	DC21B 4Poles in series	(DC-PV1)	面板安装-- 四孔安装 Panel mounting Four-hole mounting IP66 <sup>1)</sup>	单孔安装 Single hole mounting Φ 22.5mm IP66 <sup>1)</sup>	后部安装 Base mounting w. Door coupling IP66 <sup>1)</sup>	塑料盒 Plastic enclosed IP66/67 <sup>1)</sup>

型号 Type	电流(A) Current(A)	额定值(V) Rate(V)				
UKPD32-16	16	1000	.. EH4 ..	.. Z(O)H1 ..	.. VZVH4 ..	.. PFLH4 ..
UKPD32-25	25	1000	.. EH4 ..	.. Z(O)H1 ..	.. VZVH4 ..	.. PFLH4 ..
UKPD32-32	32	1000	.. EH4 ..	.. Z(O)H1 ..	.. VZVH4 ..	.. PFLH4 ..


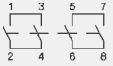

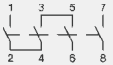
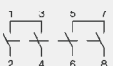
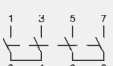
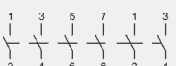
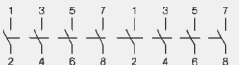
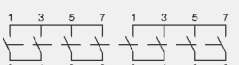
# DC-Switch Disconnectors

## 光伏直流隔离开关

<p>型号 Type</p>	<p>2极并联 2+2-pole 2poles in series +2 poles parallel</p>	<p>4极 4-pole</p>	<p>4极跳线 输入上面、输出底部 4-pole with jumpers Input on top output bottom</p>	<p>4极跳线 输入和输出底部 4-pole with jumpers Input and output bottom</p>	<p>4极跳线 输入和输出上 4-pole with jumpers Input and output on top</p>
<p>UKPD32-16 UKPD32-25 UKPD32-32</p>	<p>.. A2+2 .. A2+2 .. A2+2</p>	<p>..A4(2x A2) ..A4(2x A2) ..A4(2x A2)</p>	<p>..A4B ..A4B ..A4B</p>	<p>..A4O ..A4O ..A4O</p>	<p>..A4U ..A4U ..A4U</p>
<p>接线图 Wiring diagram</p>					
<p>转换示例 Switching example</p>					
<p>型号 Type</p>	<p>6极 6-pole</p>	<p>3 + 2极串联3极 2极并联 3+2-pole 3 poles in series +2 poles parallel</p>	<p>8极 8-pole</p>	<p>4 + 2极串联3极 2极并联 4+2-pole 3 poles in series +2 poles parallel</p>	
<p>UKPD32-16 UKPD32-25 UKPD32-32</p>	<p>... A6 ... A6 ... A6</p>	<p>..A3+2 ..A3+2 ..A3+2</p>	<p>... A8 ... A8 ... A8</p>	<p>..A4+2 ..A4+2 ..A4+2</p>	
<p>接线图 Wiring diagram</p>					
<p>转换示例 Switching example</p>					

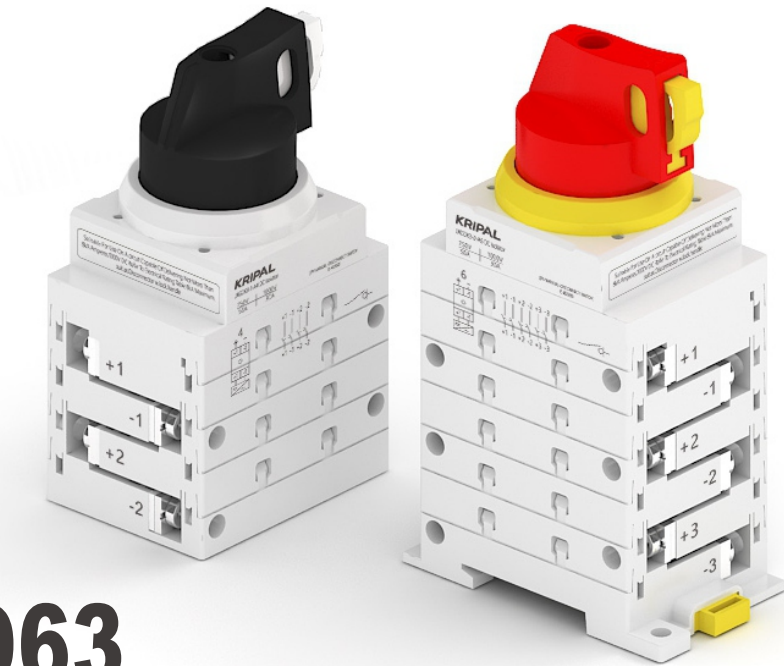
# DC-Switch Disconnectors

光伏直流隔离开关

接线图 Wiring diagram	DC21B/DC-PV1		两极串联 Poles in series	数字数量 Number of strings	型号 Type	件数 Pack pcs	重量 Weighth kg/pcs
	600V DC	1000V DC					
	16A	10A	2	1	UKPD32-16 A2	1	0.20
	25A	11.5A	2	1	UKPD32-25 A2	1	0.20
	32A	13A	2	1	UKPD32-32 A2	1	0.20
	29A	10A	2	1	UKPD32-16 A2+2	1	0.25
	36A	11.5A	2	1	UKPD32-25 A2+2	1	0.25
	55A	13A	2	1	UKPD32-32 A2+2	1	0.25
	16A	10A	2	2	UKPD32-16 A4	1	0.23
	25A	11.5A	2	2	UKPD32-25 A4	1	0.23
	32A	13A	2	2	UKPD32-32 A4	1	0.23
	16A	16A	4	1	UKPD32-16 A4B	1	0.24
	25A	25A	4	1	UKPD32-25 A4B	1	0.24
	32A	32A	4	1	UKPD32-32 A4B	1	0.24
	16A	16A	4	1	UKPD32-16 A4O	1	0.24
	25A	25A	4	1	UKPD32-25 A4O	1	0.24
	32A	32A	4	1	UKPD32-32 A4O	1	0.24
	16A	16A	4	1	UKPD32-16 A4U	1	0.24
	25A	25A	4	1	UKPD32-25 A4U	1	0.24
	32A	32A	4	1	UKPD32-32 A4U	1	0.24
	16A	10A	2	3	UKPD32-16 A6	1	0.36
	25A	11.5A	2	3	UKPD32-25 A6	1	0.36
	32A	13A	2	3	UKPD32-32 A6	1	0.36
	16A	10A	2	4	UKPD32-16 A8	1	0.41
	25A	11.5A	2	4	UKPD32-25 A8	1	0.41
	32A	13A	2	4	UKPD32-32 A8	1	0.41
	29A	29A	4	1	UKPD32-16 A4+2	1	0.46
	45A	45A	4	1	UKPD32-25 A4+2	1	0.46
	58A	58A	4	1	UKPD32-32 A4+2	1	0.46

# DC-Switch Disconnectors

光伏直流隔离开关



## UKGD63

DC-Switch Disconnectors

光伏直流隔离开关

### Model Description

型号说明

UK	GD	63	-	1	-	2P	-	A4
↓	↓	↓		↓		↓		↓
制造商代号 Manufacturers code	产品代号 Product code	框架电流 Rated Amp		安装方式 Installation method		极数 Poles		接线方式 Wiring method
科瑞普电气 Kripal	直流隔离开关 DC Isolator	63A		1:面板安装 Surface Installed 2:导轨安装 DIN-Rail Mounting 3:后部安装 Rear Installed		2P 4P 6P 8P		A2 A2+2 A4 A4B A4O A4U A6 A3+2 A8 A4+2

# DC-Switch Disconnectors

## 光伏直流隔离开关

### Technical parameters

### 技术参数

电气特性 Electrical characteristics			
额定工作电压(DC) Rated voltage	Ue	详见参数表	
额定工作电流(DC) Rated current	Ie	详见参数表	
约定自由空气发热电流 Free air heating current	Ith	63A	
额定冲击耐受电压 Rated impulse withstand voltage	Uimp	8kV	
额定短时耐受电流(1s) Rated short-time withstand current	Icw	1kA	
额定短路接通能力 Rated short circuit making capacity	Icm	1.5kA	
额定限制短路电流 Rated limit short-circuit current		1.5kA	
安装和环境 Installation and Environment			
使用类别 Utilization category	DC-21B/PV2		
有载操作次数 Number of loaded operations	3000次(接线方式6T为2200次)		
无载操作次数 No load operation times	7000次		
极数 Number of poles	1/2/3/4/6/8		
安装方式 Installation method	面板安装 Surface	标准TH35-7.5DIN导轨安装 DIN-Rail	后部安装 Rear
M4端子紧固螺丝拧紧力矩(min.-max.) Rated short circuit making capacity	1.2Nm	1.8Nm	
面板安装紧固螺母拧紧力矩(min.-max.) Rated limit short-circuit current	1.0Nm	1.5Nm	
黑色操作手柄的M3紧固螺丝拧紧力矩(min.-max.) Tightening torque of M3 fastening screw for black operating handle	0.5Nm	0.7Nm	
环境温度 Ambient temperature	-40°C ~ +70°C		
储存温度 Storage temperature	-40°C ~ +80°C		
最大允许湿度(无冷凝/20°C) Maximum allowable humidity	90%		
污染等级 Pollution degree	2		
端口IP防护等级 Port IP protection level	IP20		
面板安装孔位置IP防护等级 IP protection level of panel mounting hole position	IP66		

# DC-Switch Disconnectors

## 光伏直流隔离开关

型号 Type	2极并联  2+2-pole 2poles in series +2 poles parallel	4极  4-pole	4极跳线 输入上面、输出底部 4-polewith jumpersInput on top output bottom	4极跳线 输入和输出底部 4-pole with jumpers Input and output bottom	4极跳线 输入和输出上 4-pole with jumpersInput and output on top
UKGD63	.. A2+2 .. A2+2 .. A2+2	..A4(2xA2) ..A4(2xA2) ..A4(2xA2)	..A4B ..A4B ..A4B	..A4O ..A4O ..A4O	..A4U ..A4U ..A4U
接线图 Wiring diagram					
转换示例 Switching example					
型号 Type	6极 6-pole	3 + 2极串联3极 2极并联 3+2-pole 3 poles in series +2 poles parallel	8极 8-pole	4 + 2极串联3极 2极并联 4+2-pole 3 poles in series +2 poles parallel	
UKGD63	... A6 ... A6 ... A6	..A3+2 ..A3+2 ..A3+2	... A8 ... A8 ... A8	..A4+2 ..A4+2 ..A4+2	
接线图 Wiring diagram					
转换示例 Switching example					

# DC-Switch Disconnectors

光伏直流隔离开关

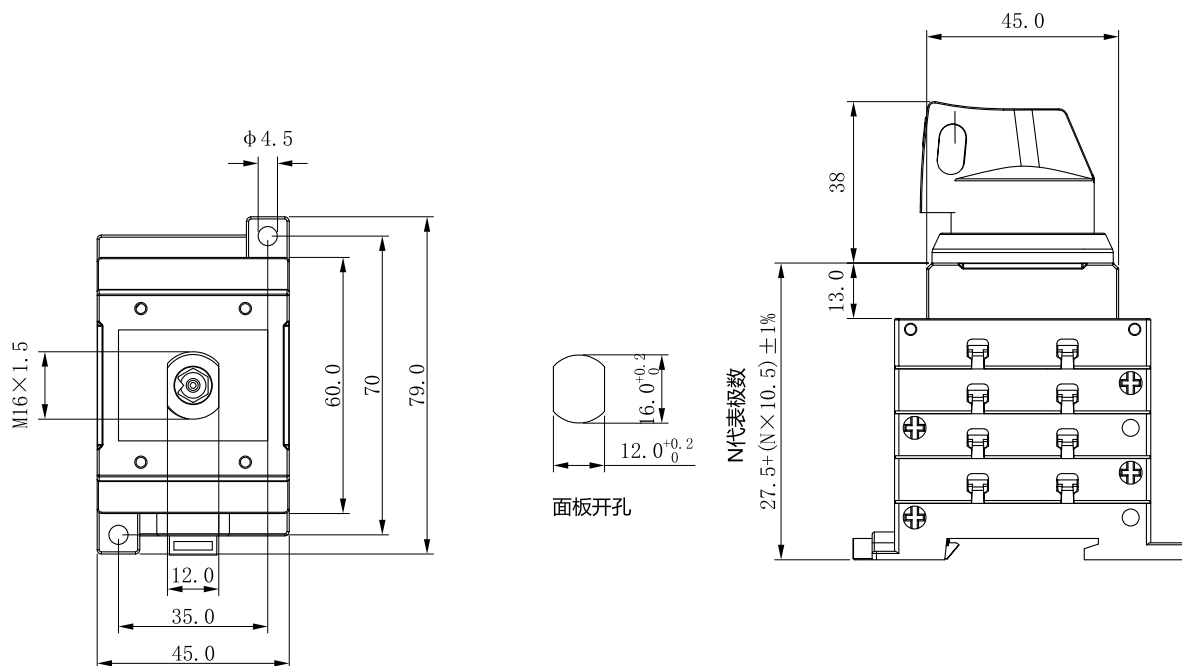
接线方式	型号	DC-21B Rating						UL Ratings UL508i			串联极数	光伏回路数
		600V	800V	900V	1000V	1200V	1500V	500V	600V	1000V		
	UKGD63-1-A1	12A	8A	6A	4A						2	1
	UKGD63-2-A1											
	UKGD63-3-A1											
	UKGD63-1-A2	20A	16A	13A	11A	9A	3A				2	1
	UKGD63-2-A2											
	UKGD63-3-A2											
	UKGD63-1-A3	20A	16A	13A	11A	9A	3A				2	2
	UKGD63-2-A3											
	UKGD63-3-A3											
	UKGD63-1-A2+2	50A							45A		2	1
	UKGD63-2-A2+2											
	UKGD63-3-A2+2											
	UKGD63-1-A4	32A	23A		16A	10A	5A	32A	25A		2	2
	UKGD63-2-A4											
	UKGD63-3-A4											
	UKGD63-1-A4B	40A	40A		40A	32A	16A	32A	32A	32A	4	1
	UKGD63-2-A4B											
	UKGD63-3-A4B											
	UKGD63-1-A4O	40A	40A		40A	32A	16A	32A	32A	32A	4	1
	UKGD63-2-A4O											
	UKGD63-3-A4O											
	UKGD63-1-A4U	40A	40A		32A	32A	16A	32A	32A	32A	4	1
	UKGD63-2-A4U											
	UKGD63-3-A4U											
	UKGD63-1-A6	32A	23A		16A	10A	5A	32A	25A		2	3
	UKGD63-2-A6											
	UKGD63-3-A6											
	UKGD63-1-A3+2	50A	50A						40A		2	1
	UKGD63-2-A3+2											
	UKGD63-3-A3+2											
	UKGD63-1-A6B	40A	40A		40A	32A	32A	40A	40A	40A	6	1
	UKGD63-2-A6B											
	UKGD63-3-A6B											
	UKGD63-1-A6O	40A	40A		40A	32A	32A	40A	40A	40A	6	1
	UKGD63-2-A6O											
	UKGD63-3-A6O											
	UKGD63-1-A6U	40A	40A		40A			32A	25A	20A	3	2
	UKGD63-2-A6U											
	UKGD63-3-A6U											
	UKGD63-1-A8	32A	23A	20A	16A	10A	5A	32A	25A		2	4
	UKGD63-2-A8											
	UKGD63-3-A8											
	UKGD63-1-A4+2	50A	50A		40A			40A	40A	32A	3	2
	UKGD63-2-A4+2											
	UKGD63-3-A4+2											

# DC-Switch Disconnectors

光伏直流隔离开关

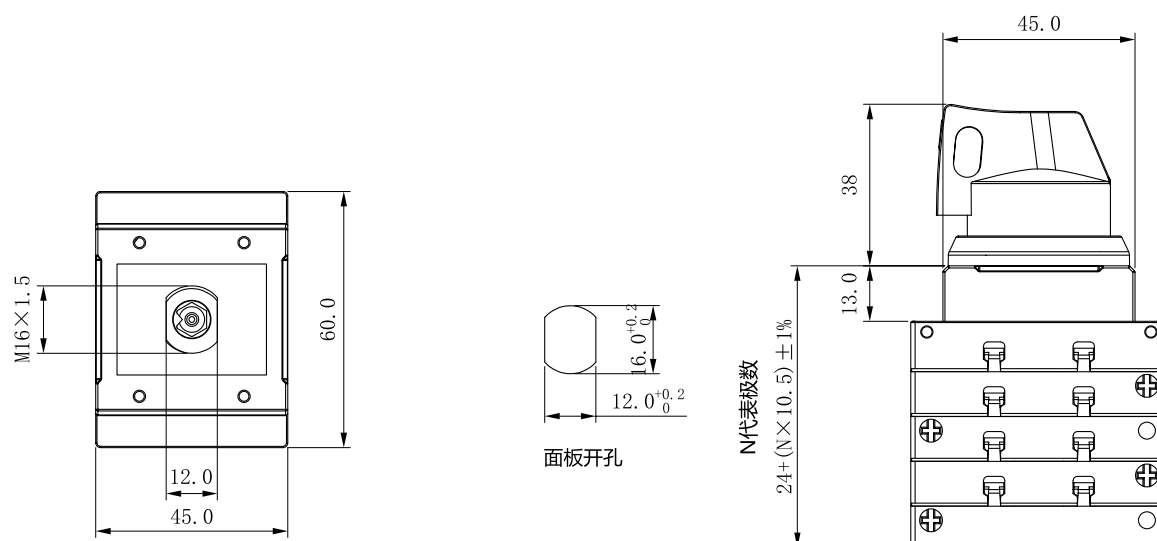
## DIN-Rail Mounting

导轨安装



## Parallel and level installation

平齐安装

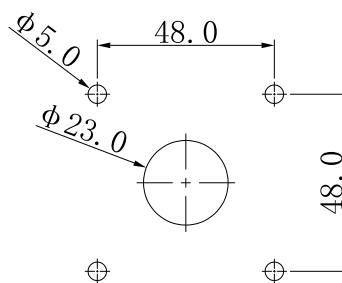
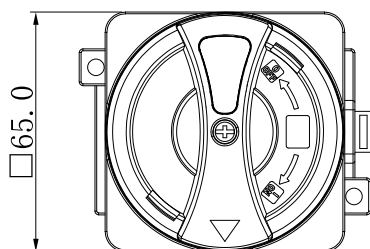
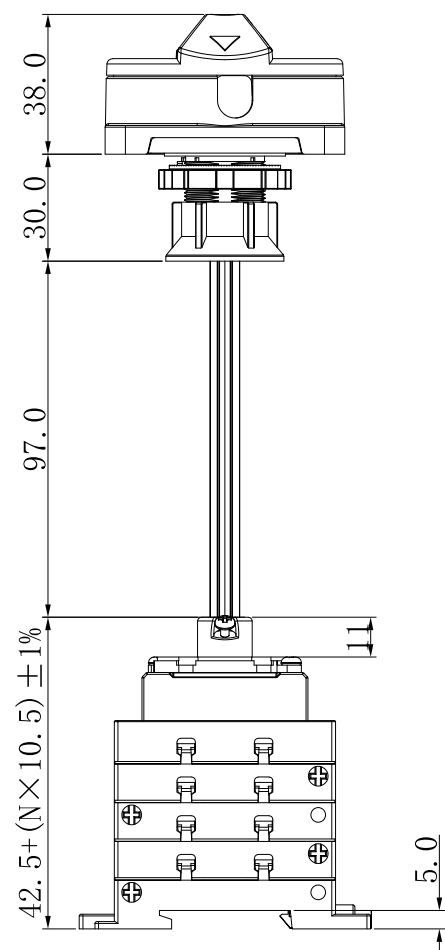


# DC-Switch Disconnectors

光伏直流隔离开关

## Extension rod installation

延长杆安装

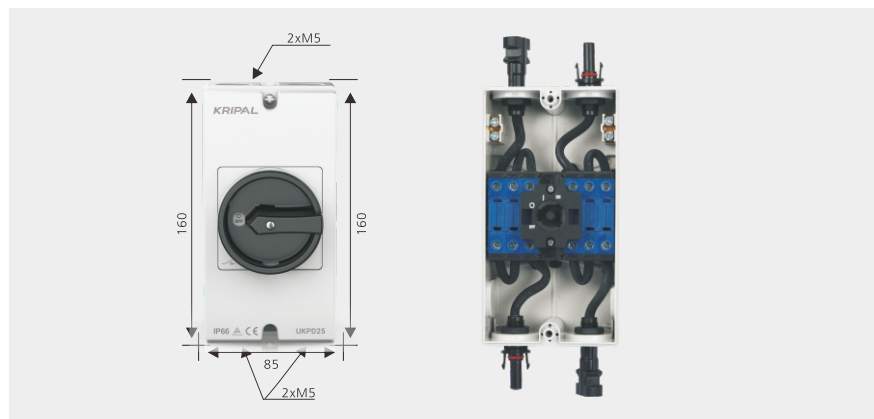
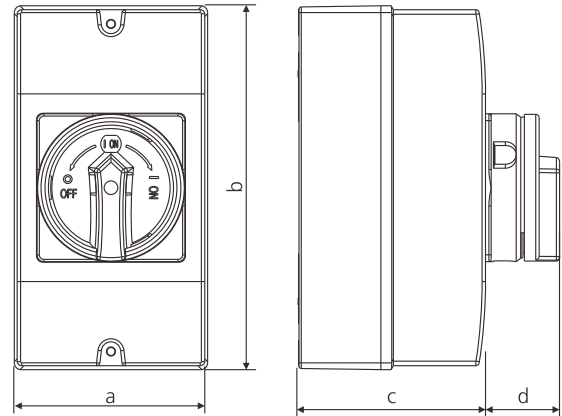


面板开孔

# UKPD25 Series PV DC Isolator

## UKPD25系列光伏直流隔离开关

	a	b	c	d
UKPD25	85	160	82	32
UKPD25-X	85	132	66	32



型号 Type	UKPD25	UKPD25-X	
运行电流(附到50°C)DC-21B Operational Current (enclosed up to 50°C) DC-21B	19A	23A	25A
1.2 xVdc 2极 1.2xVoc 2 pole	1380V	1200V	1020V
1.2 xVdc 两边 1.2xVoc on each side	690V	600V	510V
绝缘电压 Insulation Voltage	1500V	1500V	1500V

### 一般资料 General Date

- 根据开关符合EN609047-3, VDE0660, IEC60364-7-712:2002 Switch Disconnector according to EN 609047-3 respectively VDE 0660 Part 107, IEC60364-7-712:2002
- 使用类别: 直流-21B Utilization Category: DC-21B
- 环境温度: 50°C Ambient temperature: 50 °C
- 耐紫外线 Resistant to ultraviolet
- 非极性 Non-polar
- 负载下可切换 Can be switched under load

### 最大允许导线尺寸 Maximum permissible wire size

- 多芯 4mm<sup>2</sup> Flexible 4mm<sup>2</sup>
- 单芯 6mm<sup>2</sup>标准 Single-core 6mm<sup>2</sup> standards

### 等级 Ratings

- 1380VDC 19A(1020VDC 25A)
- 绝缘电压: 1500V Insulation Voltage: 1500V
- IP66/67 IP66/67

### 外壳 Enclosure

- 塑料外壳、保护IP66/67,完全隔绝 Plastic Enclosure, Protection IP66/67, totally insulated
- 红色手柄和对应的黄色手柄套, OFF位置可锁定也用挂锁锁闭 Red handle and contrasting yellow escutcheon plate, OFF position lockable with padlocks

### 安装 Mounting

IP66/67等级——可垂直安装, 水平, 或侧身, 都可保留其IP66/67防护等级。  
IP66/67 Rating – can be mounted vertically, horizontally, or sideways and will retain its IP66/67 protection rating.



# UKG1 Switch

## UKG1开关

### Technical parameters 技术参数

Description 描述	UKG1-10	UKG1-16	UKG1-20	UKG1-25	UKG1-32	UKG1-63	UKG1-125
Rated insulation voltage Ui(V) 额定绝缘电压(V)	660/690	660/690	660/690	660/690	660/690	660/690	660/690
Rated current Ith(A) 热电流(A)	10	16	20	25	32	63	125
Rated voltage Ue(V) 工作电压(V)	120 240 440	120 240 440	120 240 440	120 240 440	120 240 440	240 440	240 440
Rated current Ie(A) 工作电流(A)	10 10	16 16	20 20	25 25	32 32	63 63	100 100
AC-21A AC-22A	7.5 7.5	13 13	18 18	22 22	30 30	57 57	90 90
AC-23A	7.5 7.5	13 13	18 18	22 22	30 30	57 57	90 90
AC-2	5.5 5.5	11 11	12 12	15 15	22 22	36 36	75 75
AC-3	1.75 1.75	3.5 3.5	5 5	6.5 6.5	11 11	15 15	30 30
AC-4	2.5 2.5	5 4	6.5 6	8 5	14 14		
AC-15		0.25		9 1.5	25 11 11		
DC-13							
Rated Utilization Category(kW) 额定使用类别(A)	1.8 1.8	3.7/2.5 7.5/3.7	5 9	5.5/3 11/7.5	7.5/4 15/7.5	15/10 30/18.5	30/15 45/22
AC-23A	2.5 2.5	5 7.5	5 9	5.5 11	7.5 15	18.5 30	30 45
AC-2	1.5 1.5	3/2.2 5.5/3	4 6	4/3 7.5/3.7	5.5/4 11/5.5	11/6 18.5/11	15/7.5 30/13
AC-3	0.37 0.37	0.65/0.75 1.5/1.5	1.5 2.5	1.5 3/2.2	2.7/1.5 5.5/3	5.5/2.4 7.5/4	6/3 12/5.5
AC-4							

Use as control switches  
当作控制开关用途

Re: Character code represent the rotating type, for example, we have limited movement, spring return and limited  
字符代码代表了旋转/转换类别，例如：我们提供手柄旋转的行程、方向、弹簧回位方向。

Use as motor switches  
当作电机开关用途

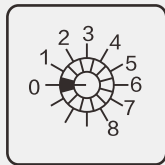
Re: Switches in this catalogue normally rotate at 60° . The motor power (3 phase AC) must be marked if the switch will  
be used as motor switch  
在目录上，旋转角度通常是60度。三相电机的标志必须在面板上标识清楚。

Use as control switch for a main circuit  
当作主电路控制开关用途

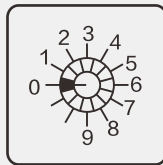
在目录上，开关面板的旋转角度是60度。  
Re: Switches in this catalogue normally rotate at 60° .

**UKG1 Switch**

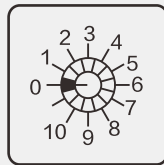
UKG1开关



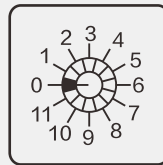
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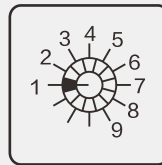
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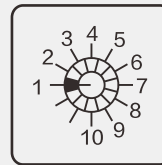
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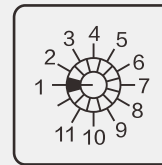
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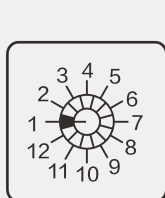
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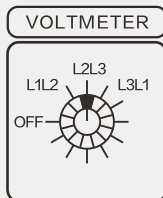
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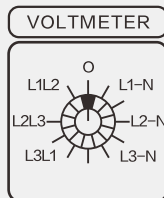
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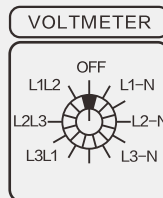
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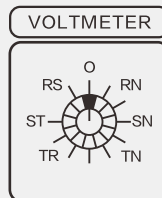
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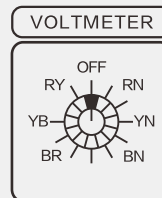
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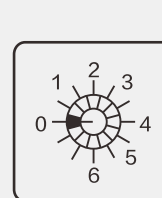
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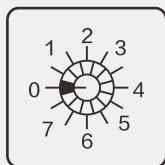
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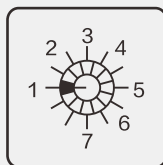
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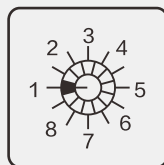
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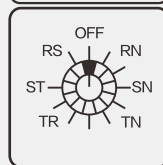
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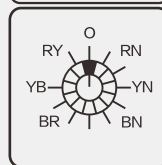
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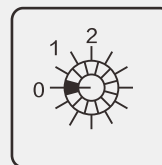
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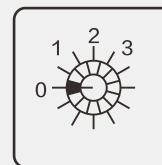
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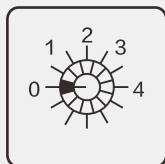
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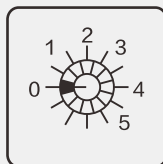
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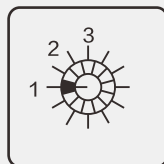
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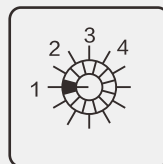
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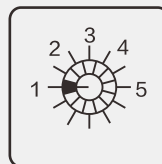
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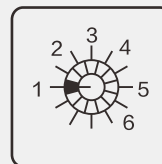
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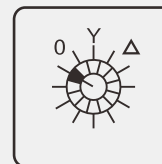
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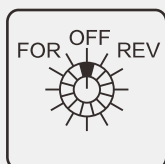
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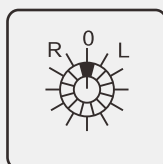
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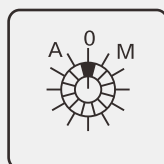
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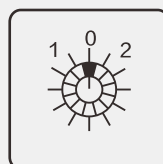
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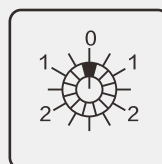
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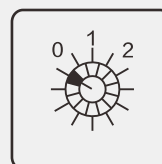
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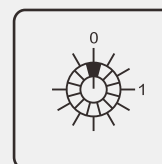
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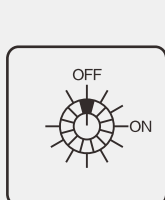
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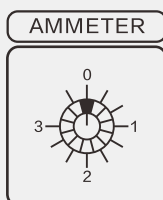
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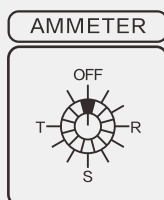
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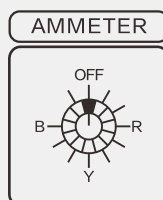
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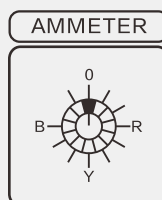
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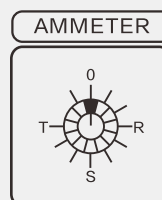
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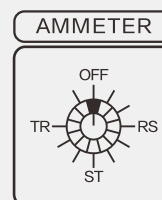
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FA9046



FA9047

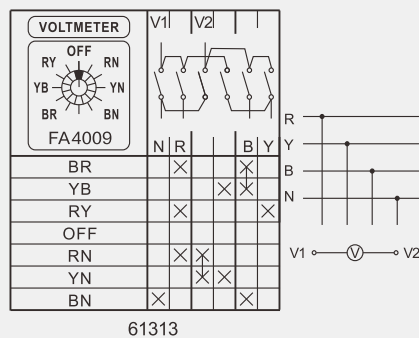
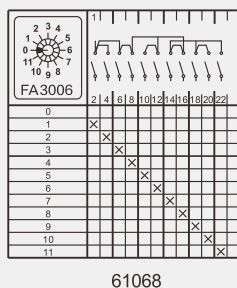
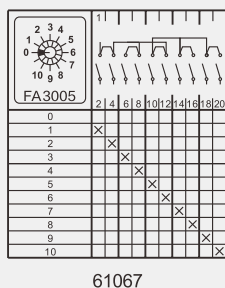
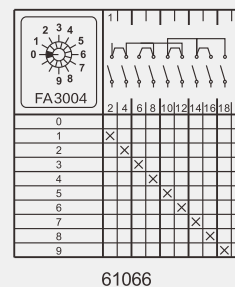
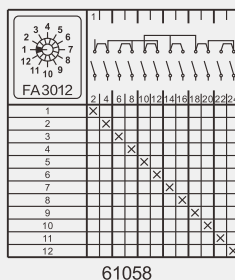
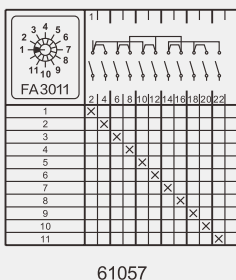
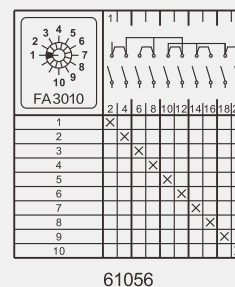
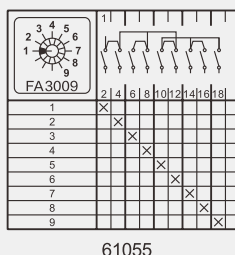
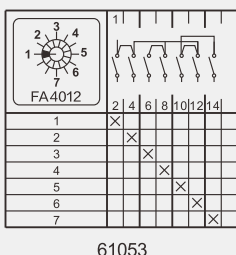
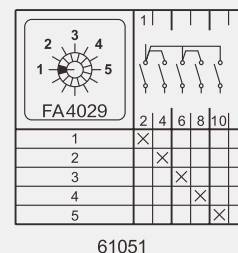
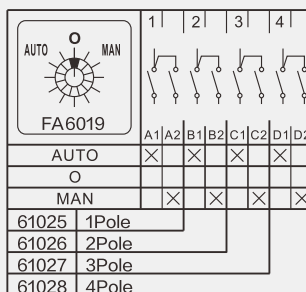
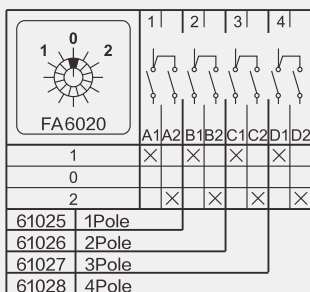


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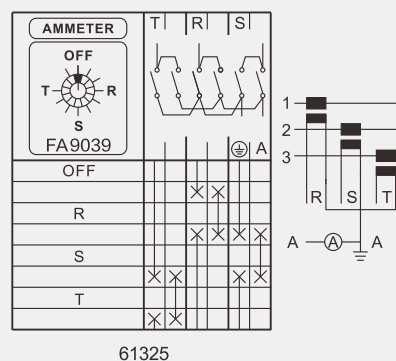
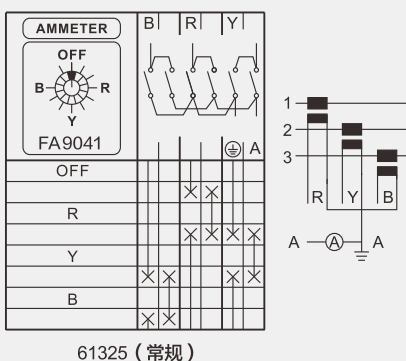
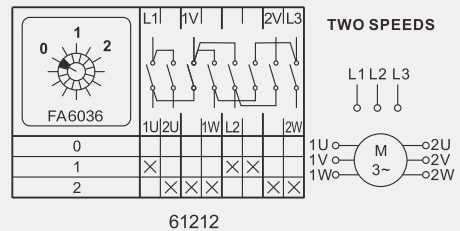
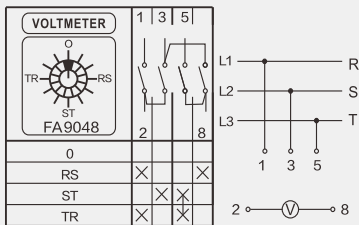
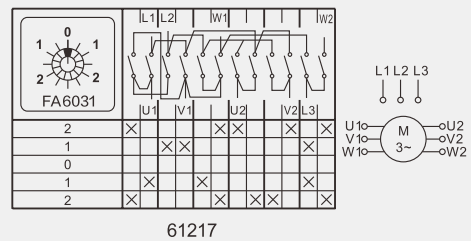
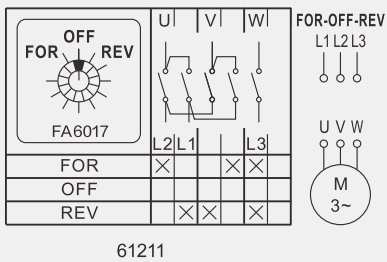
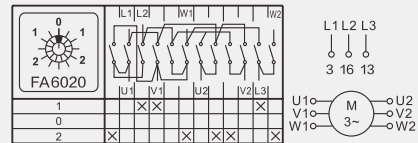
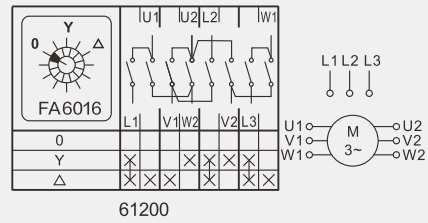
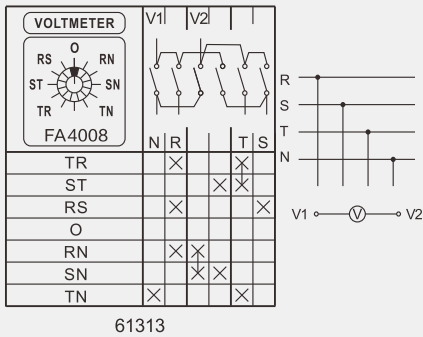
# UKG1 Switch

UKG1开关



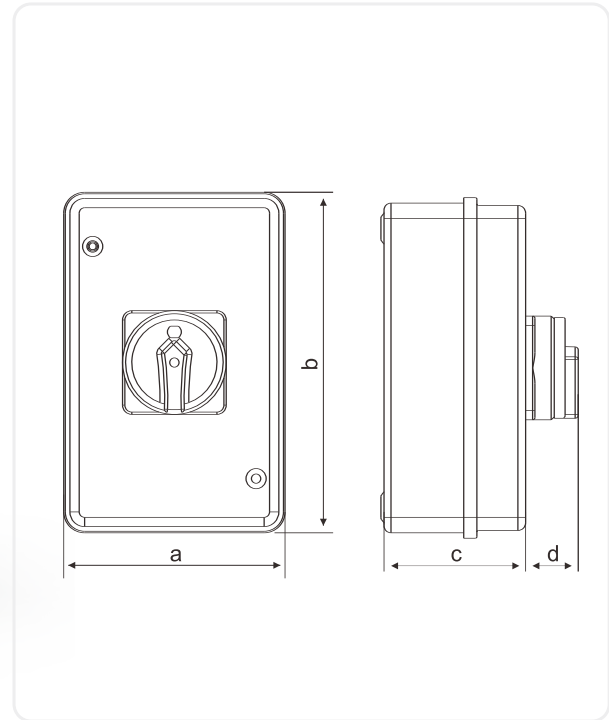
# UKG1 Switch

UKG1开关



# IP54 Switch: Metal Enclosure

IP54开关: 金属外壳



## Description 选型

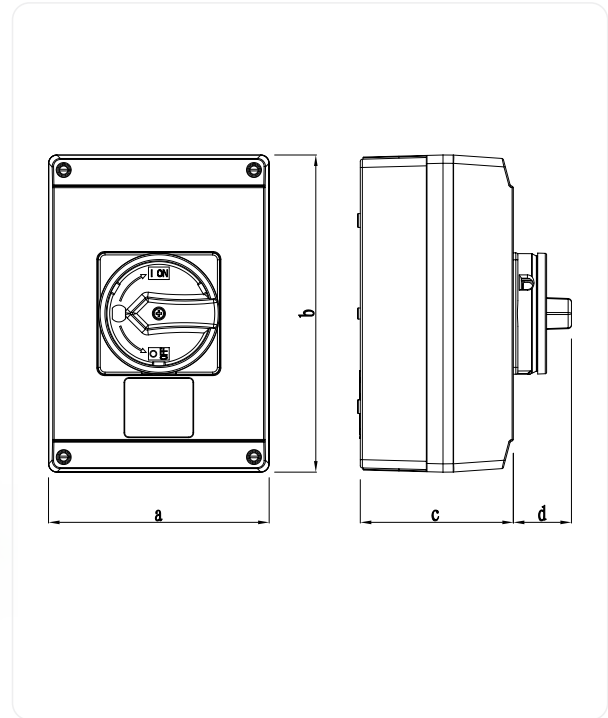
电流(A) Current(A)	额定工作电压(V) Rated Voltage(V)	订货号 Model	
		3P	4P
10	230-440	UKPS1-310	UKPS1-410
16	230-440	UKPS1-316	UKPS1-416
20	230-440	UKPS1-320	UKPS1-420
25	230-440	UKPS1-325	UKPS1-425
32	230-440	UKPS3-332	UKPS3-432
40	230-440	UKPS3-340	UKPS3-440
50	230-440	UKPS3-350	UKPS3-450
63	230-440	UKPS3-363	UKPS3-463
63	230-440	UKPS5-363	UKPS5-463
80	230-440	UKPS5-380	UKPS5-480
100	230-440	UKPS5-3100	UKPS5-4100
125	230-440	UKPS5-3125	UKPS5-4125
150	230-440	UKPS5-3150	UKPS5-4150

## Parameter 参数

框架 Frame		UKPS1	UKPS3	UKPS5
尺寸 Dimension (mm)	a	111	145	217
	b	147	220	274
	c	87	95	113
	d	37	37	44

# IP65 Switch: Aluminum Enclosure

IP65开关: 铝质外壳



## Description 选型

电流(A) Current(A)	额定工作电压(V) Rated Voltage(V)	订货号 Model	
		3P	4P
10	230-440	UKPA1-310	UKPA1-410
16	230-440	UKPA1-316	UKPA1-416
20	230-440	UKPA1-320	UKPA1-420
25	230-440	UKPA1-325	UKPA1-425
32	230-440	UKPA3-332	UKPA3-432
40	230-440	UKPA3-340	UKPA3-440
50	230-440	UKPA3-350	UKPA3-450
63	230-440	UKPA3-363	UKPA3-463
63	230-440	UKPA5-363	UKPA5-463
80	230-440	UKPA5-380	UKPA5-480
100	230-440	UKPA5-3100	UKPA5-4100
125	230-440	UKPA5-3125	UKPA5-4125
150	230-440	UKPA5-3150	UKPA5-4150

## Parameter 参数

框架 Frame		KUPA1	KUPA3	KUPA5
尺寸 Dimension (mm)	a	110	110	160
	b	165	165	230
	c	92	92	113
	d	34	34	43

# UKE5W

Aluminum Enclosure  
Combination box



### 描述

外壳通常用作现有消费单元的扩展，但也可以单独使用。典型的应用包括房屋和阁楼扩建、车库、棚屋、车间或淋浴。

该系列全铝质外壳由钢制成。外壳套件配有设备、DIN导轨、中性电缆、中性线和接地端子和母线。

提供的盖板允许安装单极RCBO或单极SPD。如果需要，M20敲除器可以钻到M32，还可以提供一系列电缆密封套和索环套件保持IP等级。

### Description:

Enclosures are typically used as an extension to an existing consumer unit but can also be used in isolation. Typical applications include house and loft extensions, garages, sheds, workshops or for showers.

This range of all metal enclosures are manufactured from aluminum. Enclosure kits are supplied complete with devices, DIN rail, neutral cable, neutral and earth terminals and a busbar.

Cover blanks are supplied to allow the installation of single pole RCBOs or single pole SPDs. M20 knockouts can be drilled to M32 if required with a range of cable glands and grommet kits also available to maintain IP ratings.

防护等级: IP66 Ik09

耐化学腐蚀性强

抗冲击性强

温度适用范围广

构造坚固

可以在多样的气候条件下使用

Protection level: IP66 Ik09

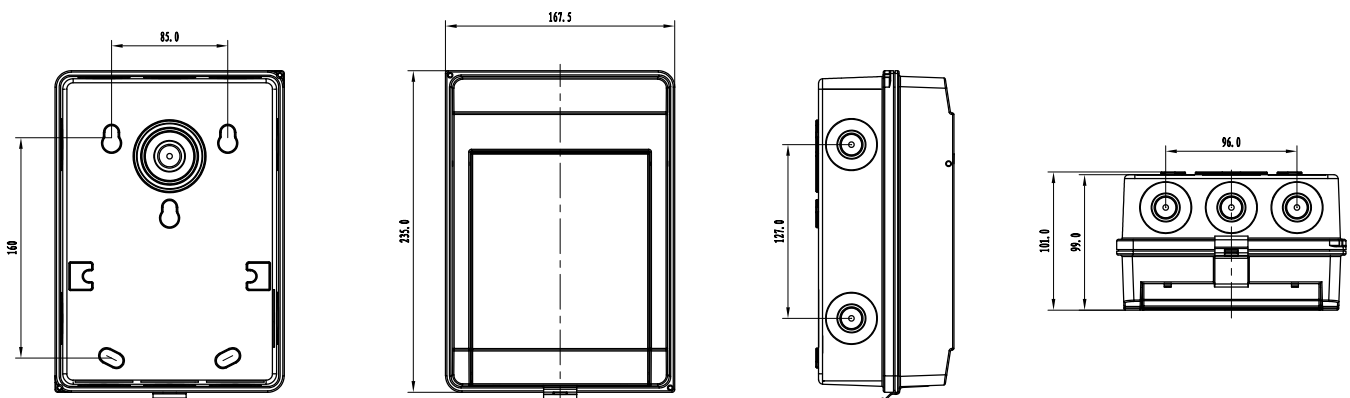
Strong chemical corrosion resistance

Strong impact resistance

Wide temperature range

Sturdy construction

Can be used in diverse climatic conditions







# KRIPAL 科瑞普电气

Foreign Trade Department  
Add: Zhongfang Intelligent Industrial Park, Beibaixiang Town,  
Yueqing City, Zhejiang Province  
Tel:+86-577-62865155 62865157  
E-mail: tiemin@kripal.com  
Web: www.kripal.com

## 中国市场部

地址: 浙江乐清市北白象镇中方智能工业园  
电话: 0577-55770828 55770339  
邮编: 325603  
电邮: tiemin@kripal.com  
网址: www.kripal.com



请扫描二维码  
添加公众号



- 为了您的安全, 在操作前仔细阅读该用户手册。
- 如需检查, 修理, 或调整请与最近的授权服务联系。
- 当您需要维修请联系一名合格的服务技术员。  
不要擅自拆卸或修理!
- 任何维修和检查应当由具有专门知识的人员处理。



Safety instructions  
安全指示

- For your safety, please read manual thoroughly before operating.
- Contact the nearest authorized service facility for check, maintenance or adjustment.
- Please contact a qualified technician when you need maintenance.
- Any maintenance and inspection shall be performed by competent person.