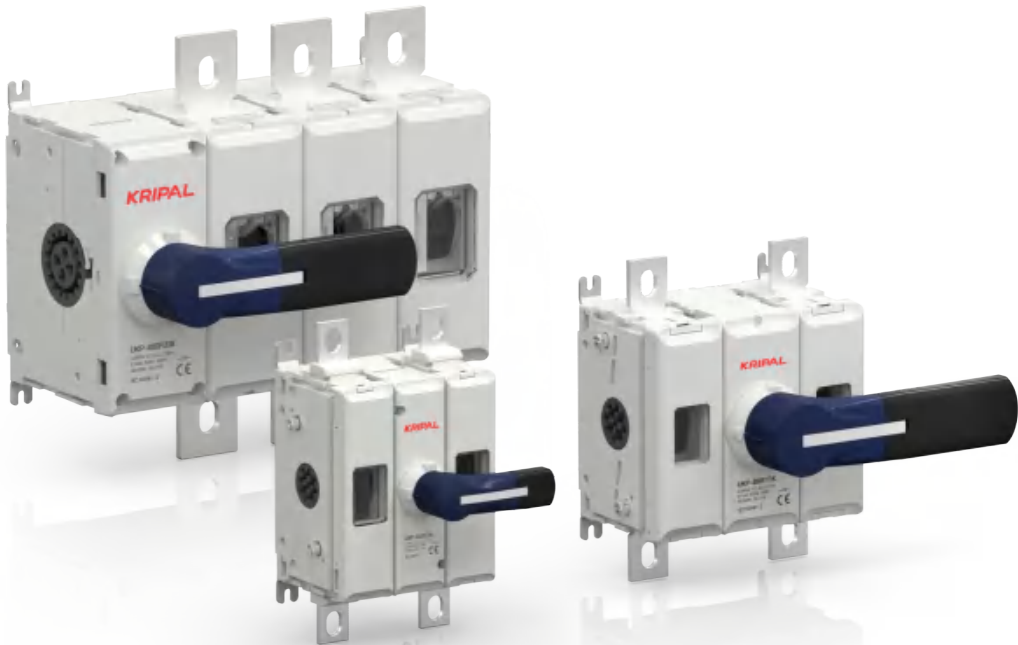


隔离开关  
UKP ISOLATING SWITCH



UKP 250F11K

|     |                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UK  | 企业代号<br>Enterprise code                                                                                                                                                  | - 适用于光伏系统主开关/配电箱/动力箱。<br>- 可视触头技术提供高级别的安全保证。<br>- 可带负荷操作，满足隔离要求，保证人身安全                                                                                                                                                                                                                                                                                                                                        |
| P   | 隔离开关型号<br>Isolating switch type<br>P：交流（AC）                                                                                                                              | -Suitable for photovoltaic system main switch/distribution box/power box<br>-Visual contact technology provides high-level safety assurance<br>-Can operate with load, meet isolation requirements, and ensure personal safety                                                                                                                                                                                |
| 250 | 电流等级（A）<br>Current degree<br>160、200、250、315、400、630、800                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                               |
| F   | 操作方式<br>Operating mode<br>F：正面操作<br>S：侧面操作（只适用于P160-800）                                                                                                                 | F：Front operation<br>S：Side operation（applicable only to P200-800）                                                                                                                                                                                                                                                                                                                                            |
| 11  | 操作机构位置<br>Position of operating mechanism<br>03：3极（机械机构在开关左端）<br>04：4极（机械机构在开关左端）<br>11：2极（机械机构在开关极间，不适用于侧面操作）<br>12：3极（机械机构在开关极间，不适用于侧面操作）<br>22：4极（机械机构在开关极间，不适用于侧面操作） | 03：3 poles（mechanical mechanism at the left end of the switch）<br>04：4-pole（mechanical mechanism at the left end of the switch）<br>11：2 poles（mechanical mechanism between switch poles, not suitable for side operation）<br>12：3 poles（mechanical mechanism between switch poles, not suitable for side operation）<br>22：4 poles（mechanical mechanism between switch poles, not suitable for side operation） |
| P/K | 手柄<br>Handle<br>P：带门上安装手柄和轴<br>K：带直接安装手柄                                                                                                                                 | P：Install handle and shaft on the door<br>K：Equipped with a direct installation handle                                                                                                                                                                                                                                                                                                                        |

交流隔离开关  
UKP AC LSOLATING SWITCH



| 开关型号<br>Type                                                                                                          |                            | A                            | UKP160          | UKP200 | UKP250 | UKP315              | UKP400              | UKP630              | UKP800              |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------|-----------------|--------|--------|---------------------|---------------------|---------------------|---------------------|
| 额定绝缘电压和额定工作电压<br>Rated insulation voltage<br>and rated operating voltage<br>介电强度<br>Dielectric strength               | AC-20/DC-20                | 污染等级3<br>Pollution degree    | V               | 1000   | 1000   | 1000                | 1000                | 1000                | 1000                |
|                                                                                                                       |                            | 50 Hz 1min                   | kV              | 10     | 10     | 10                  | 10                  | 10                  | 10                  |
|                                                                                                                       |                            |                              | kV              | 12     | 12     | 12                  | 12                  | 12                  | 12                  |
| 额定发热电流和额定工作电流<br>Rated air heating current<br>and rated operating current<br>(环境温度40°C)<br>(Ambient temperature 40°C) | AC-20/DC-20                | 自由空气<br>Free air             | A               | 200    | 200    | 250                 | 315                 | 400                 | 630                 |
|                                                                                                                       |                            | 封闭环境<br>enclosed environment | A               | 160    | 200    | 250                 | 315                 | 400                 | 630                 |
|                                                                                                                       |                            | Cu                           | mm <sup>2</sup> | 70     | 95     | 120                 | 185                 | 240                 | 2x185               |
| 导线最小横截面积<br>Minimum cross-sectional area of wire                                                                      | AC-21A                     | ≤ 500 V                      | A               | 160    | 200    | 250                 | 315                 | 400                 | 630                 |
|                                                                                                                       |                            | 690 V                        | A               | 160    | 200    | 250                 | 315                 | 400                 | 630                 |
|                                                                                                                       |                            | 1000 V                       | A               | 160    | 200    | 250                 | 315                 | 400                 | 630                 |
|                                                                                                                       | AC-22A                     | ≤ 500 V                      | A               | 160    | 200    | 250                 | 315                 | 400                 | 630                 |
|                                                                                                                       |                            | 690 V                        | A               | 160    | 200    | 250                 | 315                 | 400                 | 630                 |
|                                                                                                                       |                            | 1000 V                       | A               | 160    | 200    | 250                 | 315                 | 400                 | 630                 |
|                                                                                                                       | AC-23A                     | ≤ 500 V                      | A               | 160    | 200    | 250                 | 315                 | 400                 | 630                 |
|                                                                                                                       |                            | 690 V                        | A               | 160    | 200    | 250                 | 315                 | 400                 | 630                 |
|                                                                                                                       |                            | 1000 V                       | A               | 135    | 135    | 135                 | 200                 | 200                 | 400                 |
| 额定工作电流 / 极间串联<br>Rated operating current<br>/ Interelectrode series                                                   | DC-21A...23A <sup>1)</sup> | 24 - 110 V                   | A               | 160/2  | 200/2  | 250/2               | 315/1 <sup>2)</sup> | 400/1 <sup>2)</sup> | 630/1               |
|                                                                                                                       |                            | 220 V                        | A               | 160/2  | 200/2  | 250/2               | 315/2 <sup>2)</sup> | 400/2 <sup>2)</sup> | 630/1               |
|                                                                                                                       |                            | 440 V                        | A               | 160/3  | 200/3  | 250/3               | 315/3               | 400/3               | 630/2               |
|                                                                                                                       |                            | 660 V                        | A               | 160/4  | 200/4  | 250/4 <sup>2)</sup> | 315/4               | 400/4               | 630/4 <sup>2)</sup> |
|                                                                                                                       | DC-21B                     | 800 V                        | A               | 160/5  | 200/5  | 250/5               | 315/5               | 400/5               | 630/5               |
|                                                                                                                       |                            | 1000 V                       | A               | 160/6  | 200/6  | 250/6               | 315/6               | 400/6               | 630/6               |

交流隔离开关  
UKP AC LSOLATING SWITCH



| 开关型号<br>Type                                                                                                    |                                                   |               | A     | UKP160  | UKP200  | UKP250  | UKP315  | UKP400  | UKP630   | UKP800   |
|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------|-------|---------|---------|---------|---------|---------|----------|----------|
| 额定功率<br>Rated power                                                                                             | AC-23 <sup>3)</sup>                               | 230 V         | kW    | 48      | 60      | 75      | 100     | 132     | 200      | 250      |
|                                                                                                                 |                                                   | 400 V         | kW    | 80      | 110     | 140     | 160     | 220     | 355      | 450      |
|                                                                                                                 |                                                   | 415 V         | kW    | 88      | 110     | 145     | 180     | 230     | 355      | 450      |
|                                                                                                                 |                                                   | 500 V         | kW    | 112     | 132     | 170     | 220     | 280     | 400      | 560      |
|                                                                                                                 |                                                   | 690 V         | kW    | 144     | 200     | 250     | 315     | 400     | 630      | 800      |
| 额定分断能力<br>Rated breaking capacity                                                                               | AC-23                                             | ≤ 500 V       | A     | 1280    | 1600    | 2000    | 2520    | 3200    | 5040     | 6400     |
|                                                                                                                 |                                                   | 690 V         | A     | 1280    | 1600    | 2000    | 2520    | 3200    | 5040     | 6400     |
| 额定限制短路电流 I <sub>p</sub> (R.M.S.)<br>Rated limit short-circuit current                                           | I <sub>p</sub> (R.M.S.)                           | 100 kA, 500 V | kA    | 40.5    | 40.5    | 40.5    | 61.5    | 61.5    | 90       | 90       |
| 和相应最大截断电流峰值 I <sub>c</sub><br>and the corresponding maximum cut-off current peak value                          | 最大OFA_熔断器规格<br>Max OFA_Fuse Specification         | gG/aM         | A     | 315/315 | 315/315 | 315/315 | 500/450 | 500/450 | 800/1000 | 800/1000 |
| 截断电流 I <sub>c</sub> 参照熔断器制造商提供的数值<br>dcut-off current refer to the values provide by the fuse manufacturer      | I <sub>p</sub> (R.M.S.)                           | 80 kA, 690 V  | kA    | 40.5    | 40.5    | 40.5    | 59      | 59      | 83.5     | 83.5     |
| (根据IEC60269进行单相试验)<br>(Conduct single-phase test according to IEC60269)                                         | 最大OFA_熔断器规格<br>Max OFA_Fuse Specification         | gG/aM         | A     | 355/315 | 355/315 | 355/315 | 500/500 | 500/500 | 800/1000 | 800/1000 |
| 额定短时耐受电流<br>Rated short-time withstand current                                                                  | R.M.S. 值 I <sub>cw</sub>                          | ≤ 1000V 0.15s | kA    | 15      | 15      | 15      | 31      | 31      | 38       | 38       |
|                                                                                                                 |                                                   | ≤ 1000V 0.25s | kA    | 15      | 15      | 15      | 24      | 24      | 36       | 36       |
|                                                                                                                 |                                                   | ≤ 1000V 1s    | kA    | 8       | 8       | 8       | 15      | 15      | 20       | 20       |
| 额定短路合闸容量<br>Rated short-circuit closing capacity                                                                | 峰值 I <sub>cm</sub><br>Peak value                  | ≤ 1000V       | kA    | 30      | 30      | 30      | 65      | 65      | 80       | 80       |
| 额定电容器容量<br>Rated capacitor capacity<br><br>(受熔断体限制的电容器额定值)<br>(Rated value of capacitors limited by fuse links) | 415 V                                             | kVAr          | 80    | 100     | 115     | 145     | 180     | 250     | 310      |          |
|                                                                                                                 |                                                   | 500 V         | kVAr  | 96      | 120     | 135     | 175     | 215     | 300      | 375      |
|                                                                                                                 |                                                   | 690 V         | kVAr  | 128     | 160     | 190     | 250     | 325     | 450      | 550      |
| 功率损耗 / 极<br>Power loss / pole                                                                                   | 额定工作电流<br>Rated operating current                 | W             | 3.2   | 4       | 6.5     | 6.5     | 10      | 25      | 40       |          |
| 机械寿命<br>Mechanical life                                                                                         |                                                   | Oper.         | 20000 | 20000   | 20000   | 16000   | 16000   | 10000   | 10000    |          |
| 重量 (不带附件)<br>Weight (without attachments)                                                                       | 3极开关<br>3 Pole switch                             | kg            | 1.2   | 1.2     | 1.2     | 2.2     | 2.2     | 5.2     | 5.2      |          |
| 端子螺钉规格<br>Terminal screw specifications                                                                         | 公制螺纹 (直径X长度)<br>Metric thread (diameter X length) | mm            | M8X25 | M8X25   | M8X25   | M10X30  | M10X30  | M12X40  | M12X40   |          |
| 端子拧紧力矩<br>Terminal tightening torque                                                                            | 锁紧力矩<br>Locking torque                            | Nm            | 15-22 | 15-22   | 15-22   | 30-44   | 30-44   | 50-75   | 50-75    |          |
| 操作力矩<br>Operating torque                                                                                        | 3极隔离开关<br>3 Pole isolating switch                 | Nm            | 7     | 7       | 7       | 16      | 16      | 27      | 27       |          |

1) 根据要求, 可提供其它额定等级

2) B类别

3) 这些值仅供参考,可能因电机制造商不同而有所差别

4) 按 IEC 60947-1- 6.1.1标准

1) According to requirements, other rated grades can be provided

2) Type B

3) These values are for reference only and may vary depending on the motor manufacture

4) According to IEC 60947-1-6.1.1 standard