

KJD17 KJD17-16 Electromagnetic Switch



Description

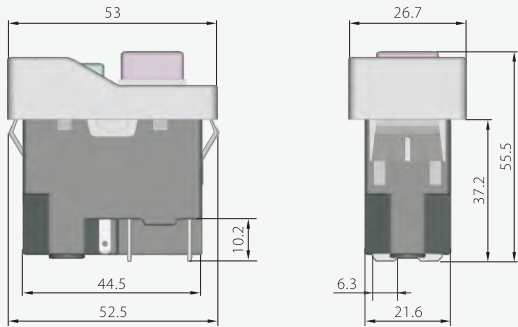
These switches have the following functions that derived from power-off and under voltage protection:

- 1.Double pole cut off
- 2.Brake function with one pole cut off
- 3.These two versions can be combined with overload protection switch to achieve under voltage and overload protection.

The advantage of our patented technology is high current with small size.

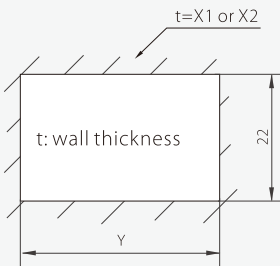
Reference Dimension

KJD17F KJD17FT KJD17-16F KJD17-16FT



Mounting Size

KJD17F KJD17FT KJD17-16F KJD17-16FT



X1:value "t" with Rubber Gasket  
X2:value "t" without Rubber Gasket

| X1      | X2      | Y                                 |
|---------|---------|-----------------------------------|
| 1~1.5   | 1.5~2.5 | 46 <sup>+0.1</sup> <sub>0</sub>   |
| 1.5~2.5 | 2.5~3.5 | 46.4 <sup>+0.1</sup> <sub>0</sub> |

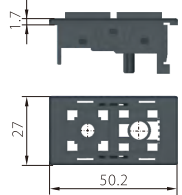
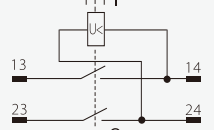
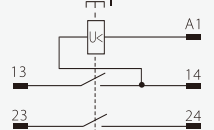
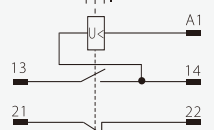
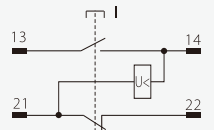
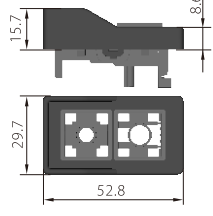
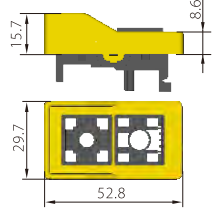


KJD17 KJD17-16 Electromagnetic Switch

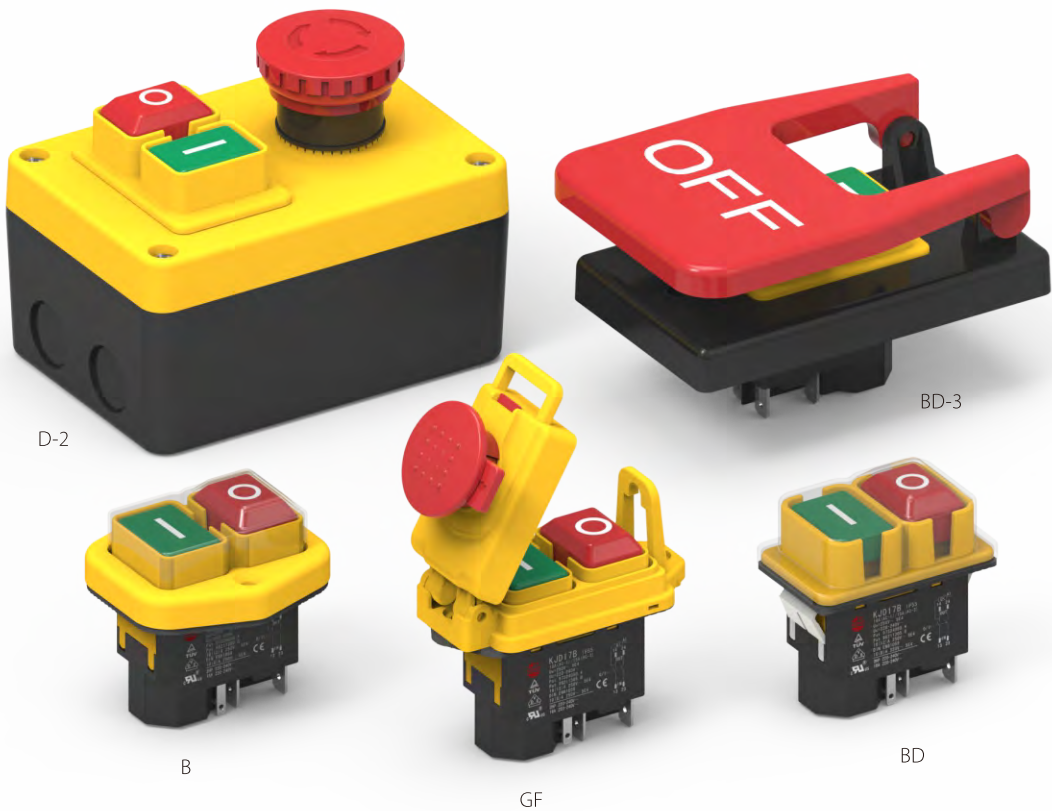
Specifications

| Standard                   | TUV(EN60947)                    | TUV(EN61058)      |                   |          |         | UL,CUL(UL508,E195428) |           | VDE,CE(DIN EN61058,VDE0630) |
|----------------------------|---------------------------------|-------------------|-------------------|----------|---------|-----------------------|-----------|-----------------------------|
| Type                       | KJD17                           | KJD17             |                   | KJD17-16 |         | KJD17,KJD17-16        |           | KJD17                       |
| Rated Voltage              | 250V~                           | 120V~             | 250V~             | 120V~    | 250V~   | 120V~                 | 220-240V~ | 250V~                       |
| Rated Current              | AC-1:18A<br>AC-3:15A            | 10(8)A<br>18(16)A | 10(8)A<br>16(12)A | 16(16)A  | 18(16)A | 16A 1/2HP             | 16A 2HP   | 10(8)A                      |
| Coil Voltage               | 220-240V~ or 100-120V~          |                   |                   |          |         |                       |           |                             |
| Rated Frequency            | 50/60Hz                         |                   |                   |          |         |                       |           |                             |
| Degree of Protection       | IP54 (EN60947)    IP55(EN61058) |                   |                   |          |         |                       |           |                             |
| Number of operating Cycles | 5E4                             |                   |                   |          |         |                       |           |                             |
| Ambient Temperature        | T55,T85,T85/55                  |                   |                   |          |         |                       |           |                             |

Order options

| Panel                                                                                                                             | Function                                                                                                                                                                              | Coil Voltage/Frequency                                                                              | Marking on Button                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Accessories                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>P1</b> Frame Without Waterproof Cover<br> | <b>F1</b> Without Remote Trip 2NO<br>                                                             | <b>V1</b> 110V 50Hz<br><b>V2</b> 120V 50/60Hz<br><b>V3</b> 220V-240V 50/60Hz<br><b>V4</b> 230V 50Hz | <b>M1</b> <br><b>M2</b> <br><b>M3</b> <br><b>M4</b> <br><b>M5</b> <br><b>M6</b>  | <b>A1</b> Water proof Cover<br><br><b>A2</b> Rubber Sleeve<br><br><b>A3</b> Rubber Seal<br> |
|                                                                                                                                   | <b>F2</b> With Remote Trip 2NO<br>                                                               |                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                   | <b>F3</b> With Remote Trip NO+NC<br>                                                             |                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                   | <b>F4</b> Without Remote Trip NO+NC<br><br><br>Note:Function F3,F4 only Suitable for Panel P2,P3 |                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                           |
| <b>P2</b> Black Frame<br>                    |                                                                                                                                                                                       |                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                           |
| <b>P3</b> Yellow Frame<br>                   |                                                                                                                                                                                       |                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                           |

KJD17B KJD17B-16 Electromagnetic Switch



Description

These switches have the following functions that derived from power-off and under voltage protection:

- 1.Double pole cut off
- 2.Brake function with one pole cut off
- 3.These two versions can be combined with overload protection switch to achieve under voltage and overload protection.

The advantage of our patented technology is high current with small size.

Specifications

| Standard                   | TUV(EN60947)                 | TUV(EN61058)      |                   |           |         | UL,CUL(UL508,E195428) |           | VDE,CE(DIN EN61058,VDE0630) |
|----------------------------|------------------------------|-------------------|-------------------|-----------|---------|-----------------------|-----------|-----------------------------|
| Type                       | KJD17B                       | KJD17B            |                   | KJD17B-16 |         | KJD17B                | KJD17B-16 | KJD17B                      |
| Rated Voltage              | 250V~                        | 120V~             | 250V~             | 120V~     | 250V~   | 120V~                 | 220-240V~ | 250V~                       |
| Rated Current              | AC-1:18A<br>AC-3:15A         | 10(8)A<br>18(16)A | 10(8)A<br>16(12)A | 16(16)A   | 18(16)A | 16A 1/2HP             | 16A 2HP   | 10(8)A                      |
| Coil Voltage               | 220-240V~ or 100-120V~       |                   |                   |           |         |                       |           |                             |
| Rated Frequency            | 50/60Hz                      |                   |                   |           |         |                       |           |                             |
| Degree of Protection       | IP54 (EN60947) IP55(EN61058) |                   |                   |           |         |                       |           |                             |
| Number of operating Cycles | 5E4                          |                   |                   |           |         |                       |           |                             |
| Ambient Temperature        | T85/55                       |                   |                   |           |         |                       |           |                             |



KJD17B KJD17B-16 Electromagnetic Switch

Order options 订货选项

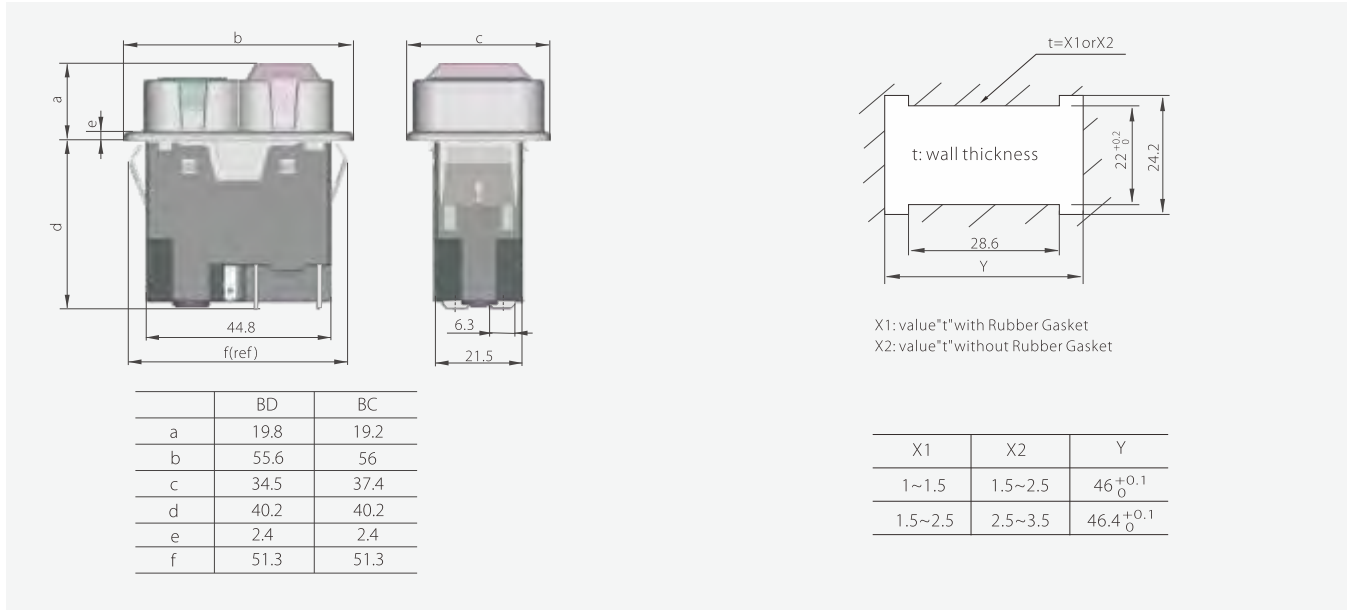
| Appearance and Panel | Function                                       | Coil Voltage/Frequency                                                                              | Marking on Button | Accessories                                     |
|----------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------|
| <b>B</b><br>         | <b>F1</b> Without Remote Trip 2NO<br>          | <b>V1</b> 110V 50Hz<br><b>V2</b> 120V 50/60Hz<br><b>V3</b> 220V-240V 50/60Hz<br><b>V4</b> 230V 50Hz | <b>M1</b>         | <b>A1</b> Waterproof Cover<br>Type B            |
| <b>C</b><br>         | <b>F2</b> With Remote Trip 2NO<br>             |                                                                                                     | <b>M2</b>         | Type C                                          |
| <b>GF</b><br>        | <b>F3</b> With Remote Trip NO+NC<br>           |                                                                                                     | <b>M3</b>         | Type GF                                         |
| <b>BC</b><br>        | <b>F4</b> Without Remote Trip NO+NC<br>        |                                                                                                     | <b>M4</b>         | Type BC                                         |
| <b>BD</b><br>        | Note:Function F3,F4 only Suitable for Panel GF |                                                                                                     | <b>M5</b>         | Type BD                                         |
|                      |                                                |                                                                                                     | <b>M6</b>         | <b>A2</b> Rubber Seal                           |
|                      |                                                |                                                                                                     | <b>M7</b>         | <b>A3</b> Rubber Sleeve                         |
|                      |                                                |                                                                                                     | <b>M8</b>         | Type B                                          |
|                      |                                                |                                                                                                     |                   | <b>A4</b> With Emergency Stop of Mounting Boxes |
|                      |                                                |                                                                                                     |                   | <b>A5</b> Emergency Stop Button 急停钮盖            |

KJD17B KJD17B-16 Electromagnetic Switch



Reference Dimension

BD,BC,BD-16,BC-16



Snap-in Mounting Size

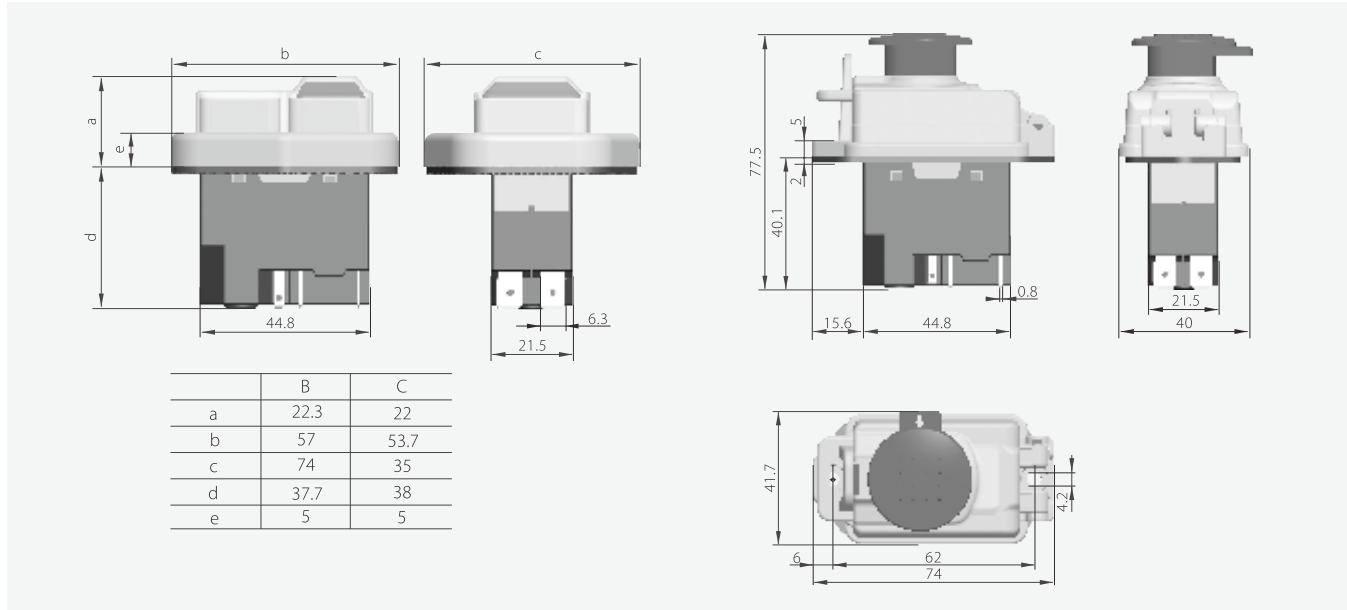
BD,BC,BD-16,BC-16



KJD17B KJD17B-16 Electromagnetic Switch

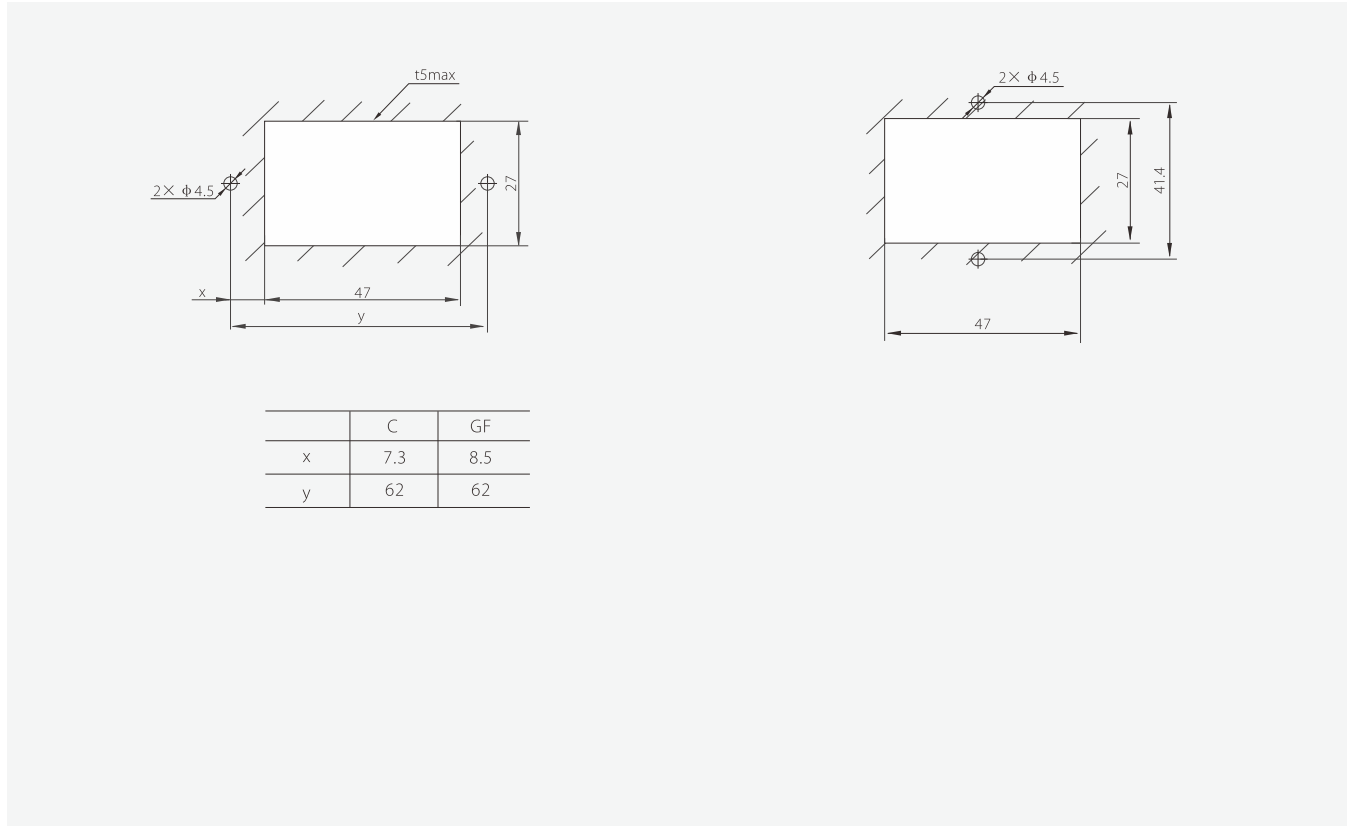
Reference Dimension

B,C,B-16,C-16

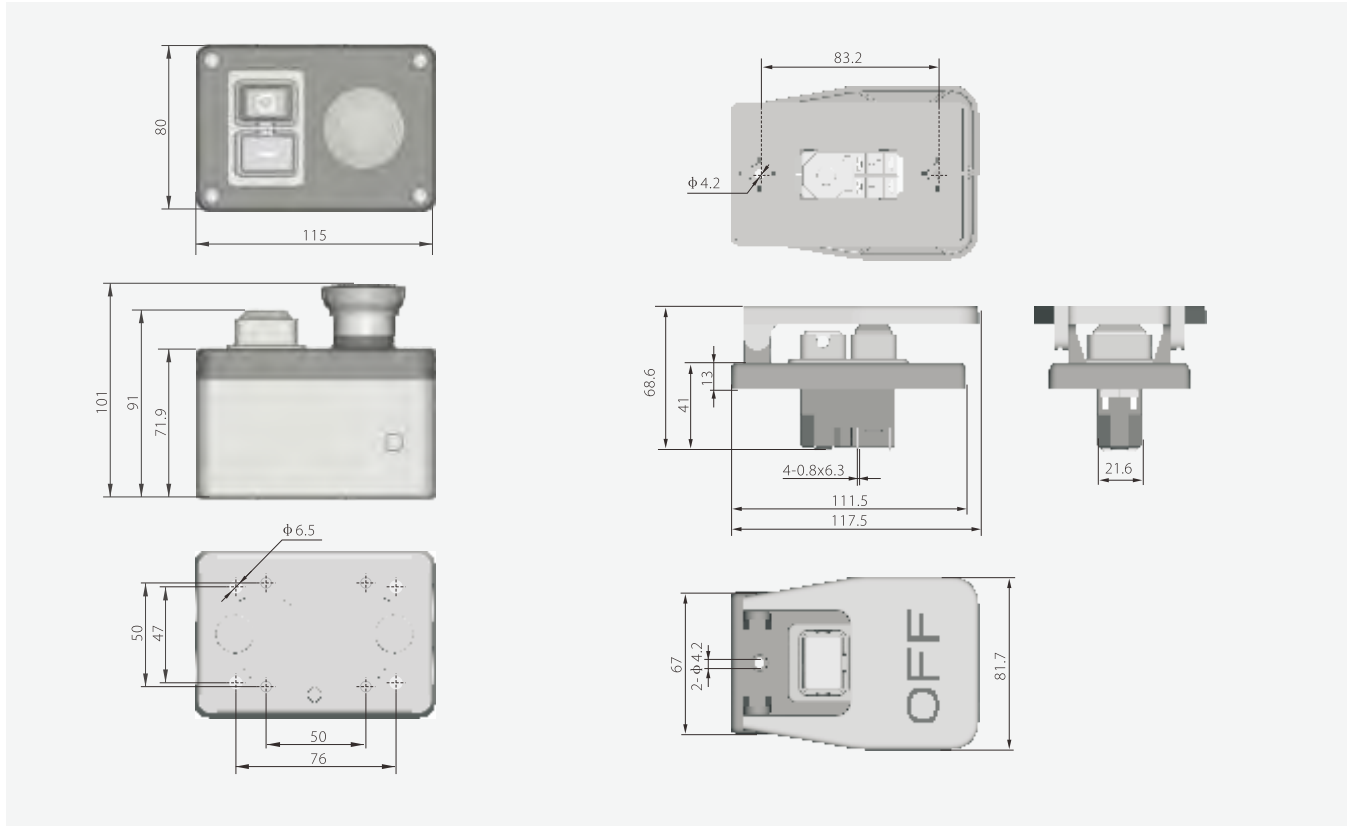


Mounting Size

C,GF,C-16,GF-16



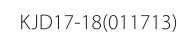
D-2,D-2-16





## 08



Technical drawings of the 1000 Series 1/2" NPT Female Adapter. The left drawing is a front view showing dimensions: overall height 61.8, mounting flange height 37.6, base width 44.8, base diameter 51.4, and total base width 57.6. The right drawing is a side view showing a base diameter of 21.6 and a base thickness of 6.3. The third drawing is a cross-section of the adapter showing the wall thickness 't' and the overall diameter 'Y'. The wall thickness 't' is specified as 't=X1 or X2'. The overall diameter 'Y' is specified as 'Y=22.0 or 22.5'. The table below provides the values for X1, X2, and Y.

| X1      | X2      | Y                                 |
|---------|---------|-----------------------------------|
| 1~1.5   | 1.5~2.5 | 46 <sup>+0.1</sup> <sub>0</sub>   |
| 1.5~2.5 | 2.5~3.5 | 46.4 <sup>+0.1</sup> <sub>0</sub> |

| Standard                   | TUV(EN60947)                                                          | TUV(EN61058)             |                          |                          |                          |
|----------------------------|-----------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Rated Voltage              | 250V~                                                                 | 125V~                    | 250V~                    | 125V~                    | 250V~                    |
| Rated Current              | NO 18A(AC-1);15A(AC-3);10A(AC-15)<br>NO 15A(AC-1);15A(AC-3);8A(AC-15) | NO 18(16)A<br>NC 16(16)A | NO 18(16)A<br>NC 16(12)A | NO 16(16)A<br>NC 12(12)A | NO 16(15)A<br>NC 12(10)A |
| Ambient Temperature        | -5℃~+40℃                                                              | T55                      |                          | T85/55                   |                          |
| Coil Voltage               | 220-240V~ or 100-120V~                                                |                          |                          |                          |                          |
| Rated Frequency            | 50/60Hz                                                               |                          |                          |                          |                          |
| Degree of Protection       | IP54                                                                  |                          |                          |                          |                          |
| Number of operating Cycles | 5E4                                                                   |                          |                          |                          |                          |

| Panel                                                                                | Function                                                                             | Coil Voltage/Frequency                                                                                                 | Marking on Button                                                                                                                       | Accessories                       |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| <p><b>P1</b></p> <p><b>P2</b></p> <p><b>P3</b></p> <p><b>P4</b></p> <p><b>P5</b></p> | <p><b>F1</b> Without Remote Trip 2NO+NC</p> <p><b>F2</b> With Remote Trip 2NO+NC</p> | <p><b>V1</b> 110V 50Hz</p> <p><b>V2</b> 120V 50/60Hz</p> <p><b>V3</b> 220V-240V 50/60Hz</p> <p><b>V4</b> 230V 50Hz</p> | <p><b>M1</b></p> <p><b>M2</b></p> <p><b>M3</b></p> <p><b>M4</b></p> <p><b>M5</b></p> <p><b>M6</b></p> <p><b>M7</b></p> <p><b>M8</b></p> | <p><b>A1</b> Waterproof Cover</p> |

KJD17B-4 Electromagnetic Switch

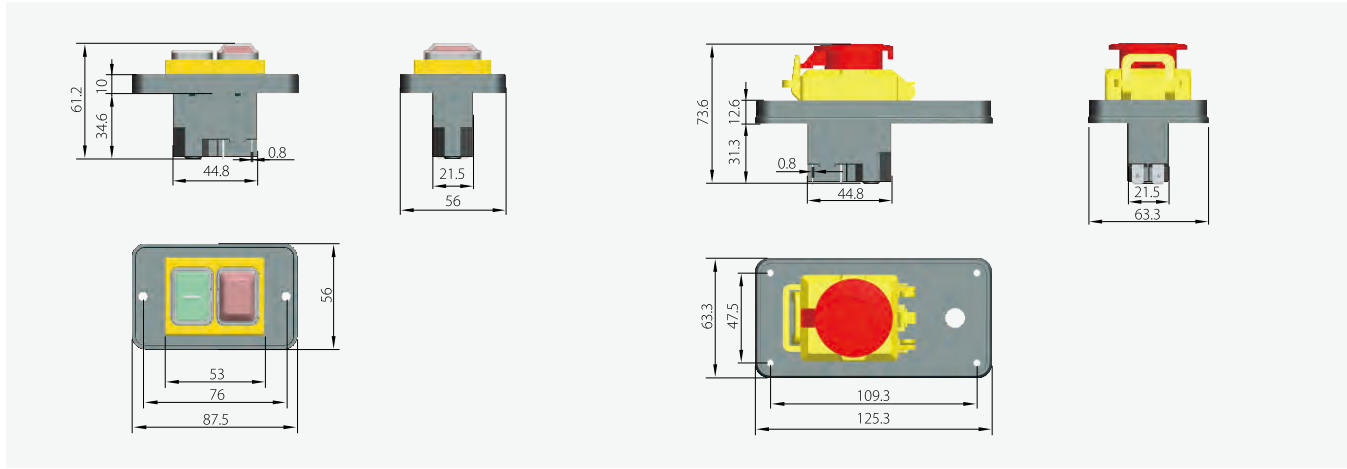


Description

These switches have power-off and under-voltage protection. In case of power off or under voltage, the switch will be turned off automatically. Restart the switch when power on. Various mounting sizes and emergency stop button can be equipped. Combine with an overload protection switch for under voltage and overload protection.

Reference Dimension

011703033 011703038



KJD17B-4 Electromagnetic Switch

Specifications

| Standard                   | TUV(EN60947)                    |  | TUV(EN61058) |         |
|----------------------------|---------------------------------|--|--------------|---------|
| Rated Voltage              | 250V~                           |  | 120V~        | 250V~   |
| Rated Current              | 18A(AC-1) 15A(AC- 3) 10A(AC-15) |  | 16(16)A      | 16(12)A |
| Coil Voltage               | 220-240V~ 100-120V~             |  |              |         |
| Rated Frequency            | 50/60Hz                         |  |              |         |
| Degree of Protection       | IP55                            |  |              |         |
| Number of operating Cycles | 5E4                             |  |              |         |
| Ambient Temperature        | T85/55                          |  |              |         |

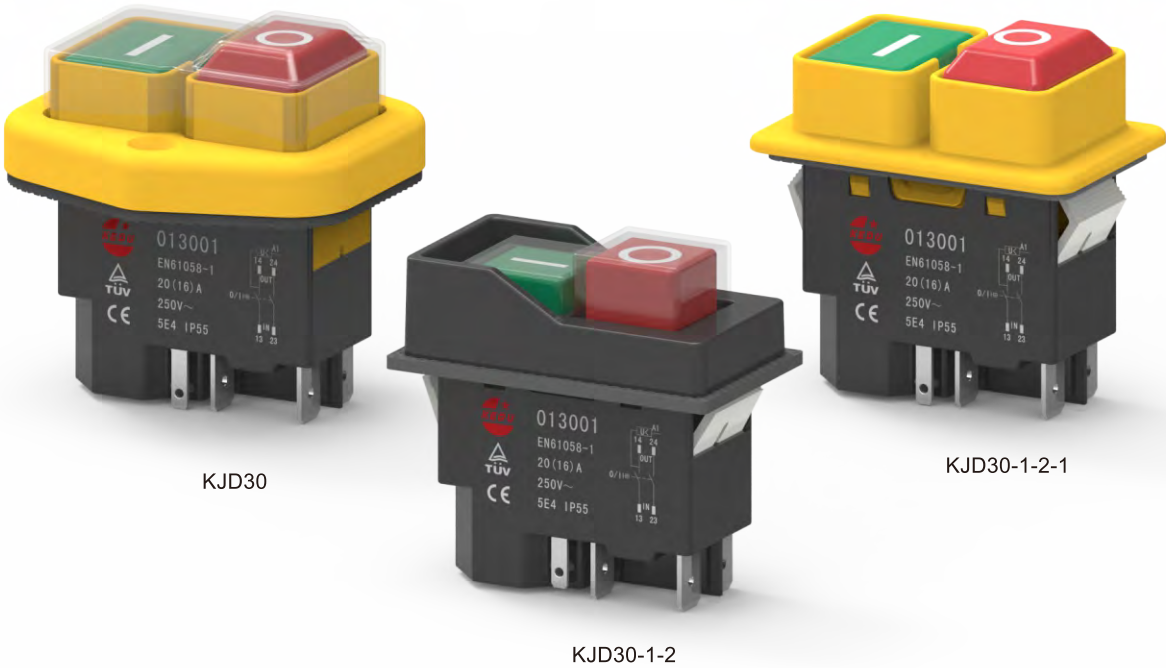
Order options

| Panel                   | Function                              | Coil Voltage/Frequency                                                                              | Marking on Button                                                                                    | Accessories                                                                                                       |
|-------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>P1</b><br>A04696<br> | <b>F1</b> Without Remote Trip 2NO<br> | <b>V1</b> 110V 50Hz<br><b>V2</b> 120V 50/60Hz<br><b>V3</b> 220V-240V 50/60Hz<br><b>V4</b> 230V 50Hz | <b>M1</b><br><b>M2</b><br><b>M3</b><br><b>M4</b><br><b>M5</b><br><b>M6</b><br><b>M7</b><br><b>M8</b> | <b>A1</b> Waterproof Cover<br><br><b>A2</b> Emergency stop button and Waterproof Cover<br><br>PL1<br>PL12<br>PL13 |
| <b>P2</b><br>A04959<br> | <b>F2</b> With Remote Trip 2NO<br>    |                                                                                                     |                                                                                                      |                                                                                                                   |
| <b>P3</b><br>A05043<br> |                                       |                                                                                                     |                                                                                                      |                                                                                                                   |
| <b>P4</b><br>A04249<br> |                                       |                                                                                                     |                                                                                                      |                                                                                                                   |

KJD30 Electromagnetic Switch



KJD30 Electromagnetic Switch



Description

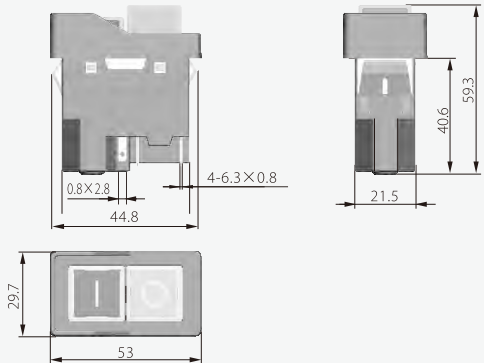
With the same dimensions as KJD17 but with a higher current, the smaller electromagnet has the same function of power-off and under voltage protection. We can also make the breakthrough of no direct connection between the electromagnet and spring, that has increased the contact pressure and spring pressure as per the required rating but keeps the same protection function so as to reduce the power consumption.

Specifications

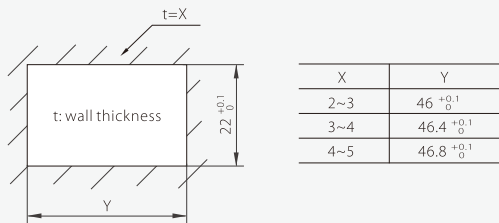
| Standard                   | TUV(EN61058)           |         |
|----------------------------|------------------------|---------|
| Rated Voltage              | 250V~                  | 127V~   |
| Rated Current              | 20(16)A                | 22(18)A |
| Coil Voltage               | 220-240V~<br>100-120V~ |         |
| Rated Frequency            | 50/60Hz                |         |
| Degree of Protection       | IP55                   |         |
| Number of operating Cycles | 5E4                    |         |

Reference Dimension 参考尺寸

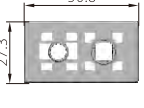
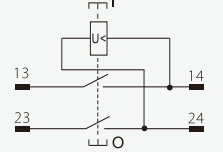
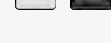
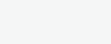
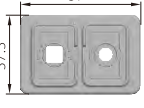
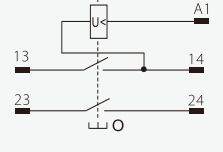
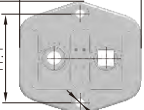
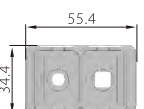
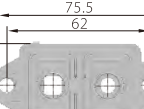
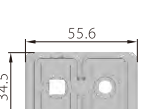
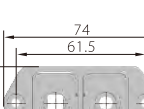
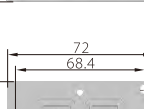
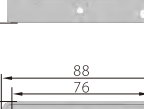
KJD30



Snap-in Mounting Size



Order options

| Appearance and Panel                                                                                                                                                                                 | Function                                                                                                          | Coil Voltage/Frequency                                                  | Marking on Button                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Accessories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KJD30<br><br>P1<br>            | F1 Without Remote Trip 2NO<br> | V1 110V 50Hz<br>V2 120V 50/60Hz<br>V3 220V-240V 50/60Hz<br>V4 230V 50Hz | M1 <br>M2 <br>M3 <br>M4 <br>M5 <br>M6 <br>M7 <br>M8  | A1 Waterproof Cover<br><br>Type C<br><br>Type B<br><br>Type GF<br><br>Type BC<br><br>Type BD<br><br>A2 Rubber Sleeve<br>橡胶套<br>B<br><br>A3 Type C<br> |
| KJD30-1-2<br><br>P2<br>        | F2 With Remote Trip 2NO<br>    |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| KJD30-1-2-1<br><br>P3<br>      |                                                                                                                   |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| KJD30-1-2-2<br><br>P4<br>      |                                                                                                                   |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| KJD30-1-2-3<br><br>P5<br>    |                                                                                                                   |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| KJD30-1-2-4<br><br>P6<br>  |                                                                                                                   |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| KJD30-1-2-6<br><br>P7<br>  |                                                                                                                   |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| KJD30-1-2-5<br><br>P8<br>  |                                                                                                                   |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| KJD30-1-2-7<br><br>P9<br>  |                                                                                                                   |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| KJD30-1-2-8<br><br>P10<br> |                                                                                                                   |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

KJD16 KJD16-16 Electromagnetic Switch



KJD16 KJD16-16 Electromagnetic Switch



Description

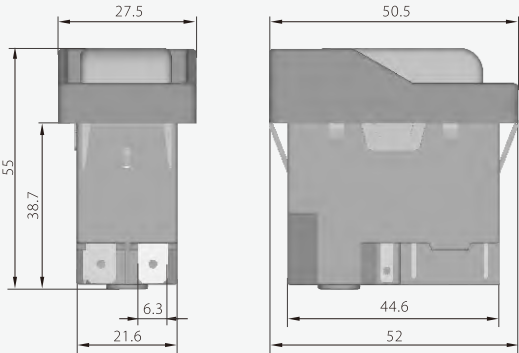
These switches have the following functions that derived from power-off and under voltage protection:

- 1.Double pole cut off
- 2.Brake function with one pole cut off
- 3.These two versions can be combined with overload protection switch to achieve under voltage and overload protection.

The advantage of our patented technology is high current with small size.

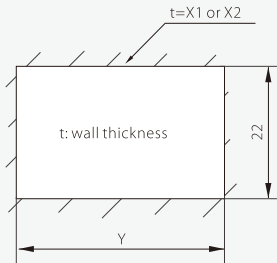
Reference Dimension

KJD16



Snap-in Mounting Size

KJD16



X1: value"t"with Rubber Gasket  
X2: value"t"without Rubber Gasket

| X1      | X2      | Y                                 |
|---------|---------|-----------------------------------|
| 1~1.5   | 1.5~2.5 | 46 <sup>+0.1</sup> <sub>0</sub>   |
| 1.5~2.5 | 2.5~3.5 | 46.4 <sup>+0.1</sup> <sub>0</sub> |

Specifications

| Standard                   | TUV(EN60947)                 | TUV(EN61058)                 |                              | UL,CUL(UL508,E195428)  |           | VDE,CE(DIN EN61058,VDE0630) |
|----------------------------|------------------------------|------------------------------|------------------------------|------------------------|-----------|-----------------------------|
| Type                       | KJD16                        | KJD16,KJD16-16               |                              | KJD16,KJD16-16         |           | KJD16                       |
| Rated Voltage              | 250V~                        | 120V~                        | 250V~                        | 120V~                  | 220-240V~ | 250V~                       |
| Rated Current              | AC-1:18A<br>AC-3:15A         | 18(16)A<br>16(16)A<br>10(8)A | 18(16)A<br>16(12)A<br>10(8)A | 16A 1/2HP<br>12A 1/2HP | 16A 2HP   | 10(8)A                      |
| Coil Voltage               | 220-240V~ or 100-120V~       |                              |                              |                        |           |                             |
| Rated Frequency            | 50/60Hz                      |                              |                              |                        |           |                             |
| Degree of Protection       | IP54 (EN60947) IP55(EN61058) |                              |                              |                        |           |                             |
| Number of operating Cycles | 5E4                          |                              |                              |                        |           |                             |
| Ambient Temperature limits | T55,T85,T85/55               |                              |                              |                        |           |                             |

Order options

| Appearance and Panel | Function                              | Coil Voltage/Frequency                                                                              | Marking on Button      | Accessories                |
|----------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------|----------------------------|
|                      | <b>F1</b> Without Remote Trip 2NO<br> | <b>V1</b> 110V 50Hz<br><b>V2</b> 120V 50/60Hz<br><b>V3</b> 220V-240V 50/60Hz<br><b>V4</b> 230V 50Hz | <b>M1</b><br><b>M2</b> | <b>A1</b> Waterproof Cover |
|                      | <b>F2</b> With Remote Trip 2NO<br>    |                                                                                                     |                        |                            |
|                      | <b>F3</b> With Remote Trip NO+NC<br>  |                                                                                                     |                        |                            |
|                      |                                       |                                                                                                     |                        |                            |

# KJD16C Electromagnetic Switch



# KJD16C Electromagnetic Switch



KJD16C(011605)

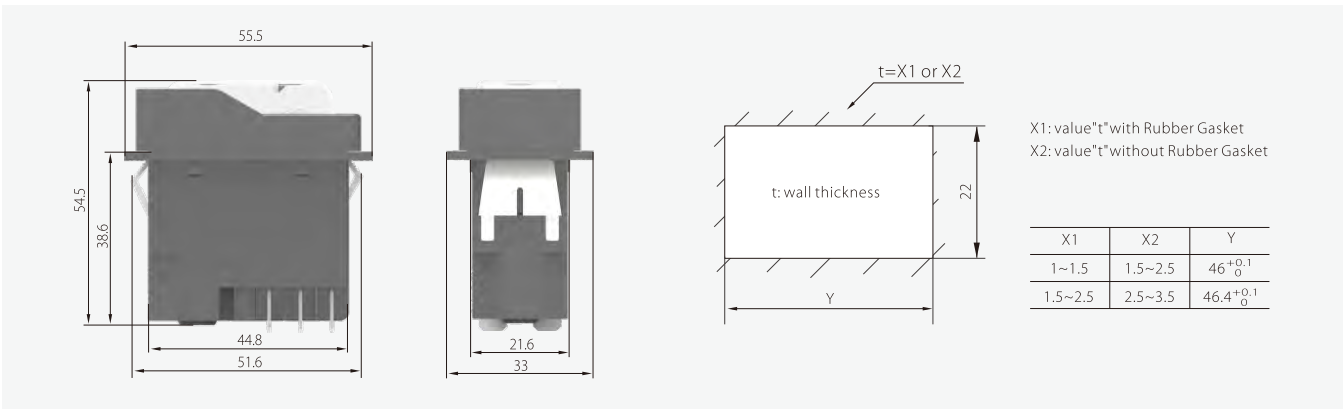
### Description

These switches have the following functions that are derived from power-off and under voltage protection:

- 1.Brake function with double pole cut off
- 2.Combine with an overload protection switch for under voltage and overload protection.

### Reference dimension

### Snap-in Mounting Size



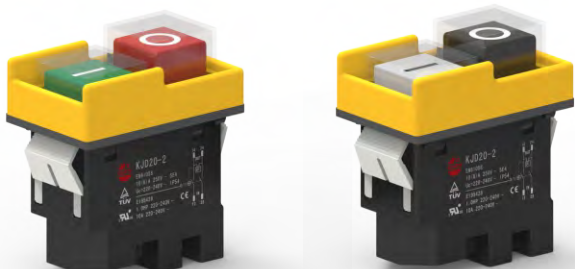
### Order options

| Appearance | Function                                    | Coil Voltage/Frequency                                                                                                 | Marking on Button                 | Accessories                       |
|------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|
|            | <p><b>F1</b> Without Remote Trip 2NO+NC</p> | <p><b>V1</b> 110V 50Hz</p> <p><b>V2</b> 120V 50/60Hz</p> <p><b>V3</b> 220V-240V 50/60Hz</p> <p><b>V4</b> 230V 50Hz</p> | <p><b>M1</b></p> <p><b>M2</b></p> | <p><b>A1</b> Waterproof Cover</p> |
|            | <p><b>F2</b> With Remote Trip 2NO+NC</p>    |                                                                                                                        |                                   |                                   |

### Specifications

| Standard                   | TUV(EN60947)                                                          | TUV(EN61058)             |                          |                          |                          |
|----------------------------|-----------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Rated Voltage              | 250V~                                                                 | 125V~                    | 250V~                    | 125V~                    | 250V~                    |
| Rated Current              | NO 18A(AC-1);15A(AC-3);10A(AC-15)<br>NC 15A(AC-1);15A(AC-3);8A(AC-15) | NO 18(16)A<br>NC 16(16)A | NO 18(16)A<br>NC 16(12)A | NO 16(16)A<br>NC 12(12)A | NO 16(15)A<br>NC 12(10)A |
| Ambient Temperature        | -5℃~+40℃                                                              | T55                      |                          | T85/55                   |                          |
| Coil Voltage               | 220-240V~ or 100-120V~                                                |                          |                          |                          |                          |
| Rated Frequency            | 50/60Hz                                                               |                          |                          |                          |                          |
| Degree of Protection       | IP54                                                                  |                          |                          |                          |                          |
| Number of operating Cycles | 5E4                                                                   |                          |                          |                          |                          |

KJD20-2 Electromagnetic Switch



KJD20-3



KJD20-5

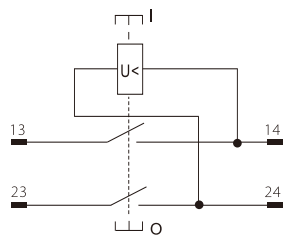


KJD20-2

Description

Integrated switch with Power-cut and under voltage protection. In case of Power-off or under voltage switch will cut off automatically, and it should re-start by hand when power is re-connected. The advantage of our patented technology is high current with small size.

Function

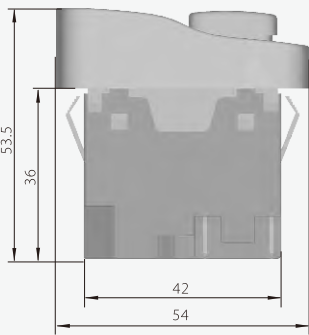
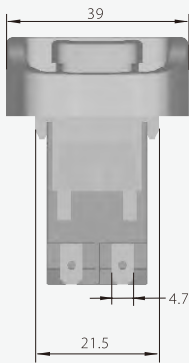


Specifications

| Standard                   | TUV,CE (EN61058,EN60947) |       | UL,CUL (UL508,E195428) |           |
|----------------------------|--------------------------|-------|------------------------|-----------|
| Rated Voltage              | 120V~                    | 250V~ | 100-120V~              | 220-240V~ |
| Rated Current              | 10(8)A                   |       | 12A 3/4HP              | 10A 1HP   |
| Degree of Protection       | IP54                     |       |                        |           |
| Number of operating Cycles | 5E4                      |       |                        |           |

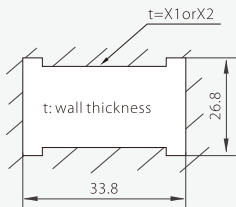
Reference Dimension

KJD20-2



Snap-in Mounting Size

KJD20-2



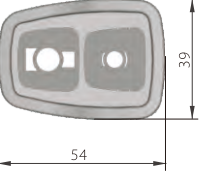
X1: value\*t"with Rubber Gasket  
X2: value\*t"without Rubber Gasket

| X1  | Y           | X2  |
|-----|-------------|-----|
| 2~3 | 43.4 +0.1/0 | 4~5 |
| 3~4 | 43.8 +0.1/0 | 5~6 |
| 4~5 | 44.2 +0.1/0 | 6~7 |

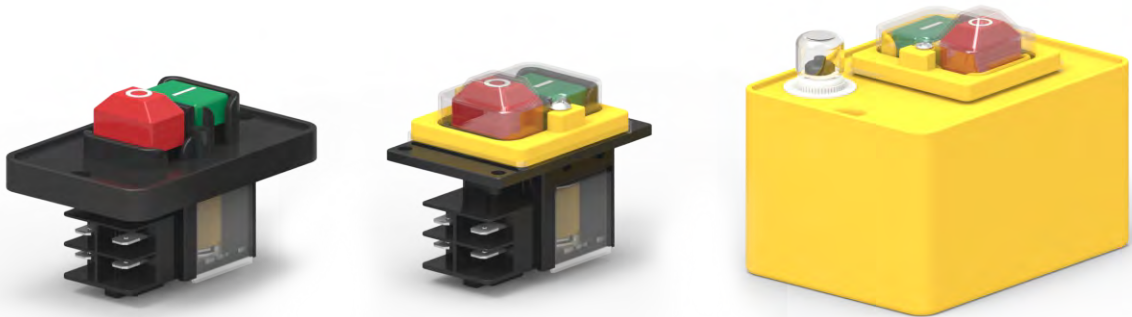


KJD20-2 Electromagnetic Switch

Order options

| Appearance and Panel                                                                                                                                                                                        | Coil Voltage/Frequency | Marking on Button                                                                              | Accessories                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>KJD20-5</b><br><br><b>P1</b><br>   | <b>V1</b> 120V~/50Hz   | <b>M1</b>   | Rubber Seal                                                                                   |
|                                                                                                                                                                                                             | <b>V2</b> 120V~/60Hz   | <b>M2</b>   | <b>A1</b>  |
|                                                                                                                                                                                                             | <b>V3</b> 230V~/50Hz   | <b>M3</b>   | <b>A2</b>  |
|                                                                                                                                                                                                             | <b>V4</b> 230V~/60Hz   | <b>M4</b>   | <b>A3</b>  |
|                                                                                                                                                                                                             | <b>V5</b> 240V~/50Hz   | <b>M5</b>   |                                                                                               |
|                                                                                                                                                                                                             | <b>V6</b> 240V~/60Hz   | <b>M6</b>  |                                                                                               |
| <b>KJD20-2</b><br><br><b>P2</b><br> |                        |                                                                                                |                                                                                               |

# KJD12 Electromagnetic Switch



KJD12

KJD12-10ZF

KJD12-10

## Description

On-off and electric motor control with built-in under voltage and overload protection. Applicable for electrical machine tools such as electrical carpentry tools, bench drills, grinder, lathe, saws.

## Specifications

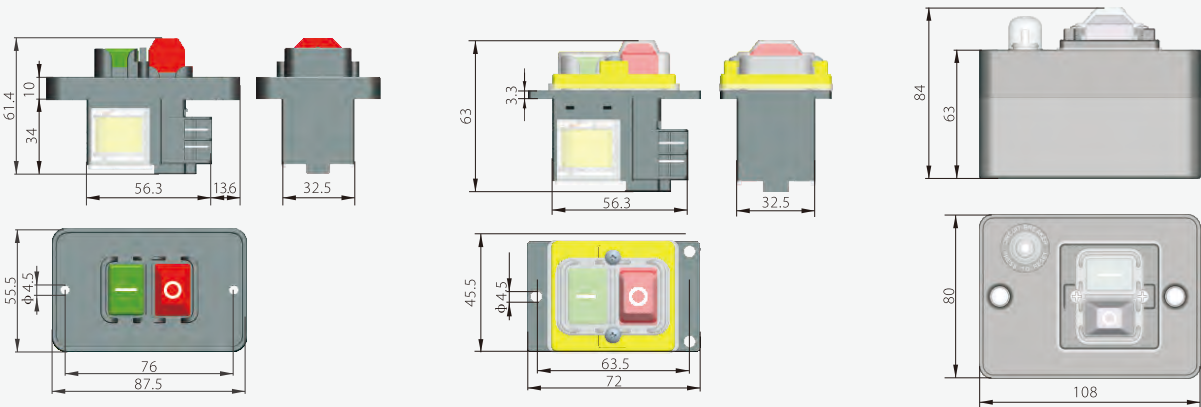
| Standard                   | VDE0630 , DIN(EN61058) | TUV(EN60947)     | TUV(EN61058)   |                | UL,CUL(UL508,E195428) |           |
|----------------------------|------------------------|------------------|----------------|----------------|-----------------------|-----------|
| Rated Voltage              | 250V~                  | 240V~            | 120V~          | 250V~          | 120V~                 | 220-240V~ |
| Rated Current              | 10(8)A                 | 10A(AC-3, AC-15) | 16(16)A 10(8)A | 16(12)A 10(8)A | 16A 3/4HP             | 16A 1.5HP |
| Coil Voltage               | 120V~                  |                  | 220-240V~      |                |                       |           |
| Rated Frequency            | 50/60Hz                |                  |                |                |                       |           |
| Number of operating Cycles | 5E4                    |                  |                |                |                       |           |
| Ambient Temperature Limits | T85/55                 |                  |                |                |                       |           |
| Degree of Protection       | IP54                   |                  |                |                |                       |           |

## Reference Dimension

KJD12

KJD12-10ZF

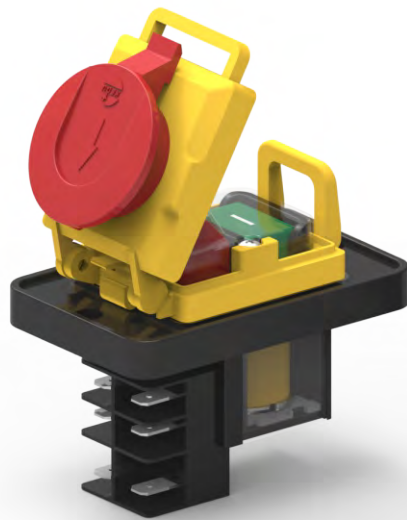
KJD12-10



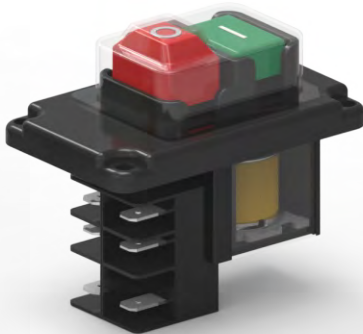
## Order options

| Panel                | Function                  | Coil Voltage/Frequency | Marking on Button | Accessories                                                                     |
|----------------------|---------------------------|------------------------|-------------------|---------------------------------------------------------------------------------|
| <b>P1</b> A01814<br> | <b>F1</b><br>             | <b>V1</b> 120V~/50Hz   | <b>M1</b>         | <b>A1</b> Waterproof Cover<br>                                                  |
| <b>P2</b> A05099<br> |                           | <b>V2</b> 120V~/60Hz   | <b>M2</b>         | <b>A3</b> Emergency stop button and Waterproof Cover<br><br>PL1<br>PL12<br>PL13 |
| <b>P3</b> A05098<br> |                           | <b>V3</b> 230V~/50Hz   | <b>M3</b>         |                                                                                 |
| <b>P4</b> A01821<br> |                           | <b>V4</b> 230V~/60Hz   | <b>M4</b>         |                                                                                 |
| <b>P5</b> A06008<br> |                           | <b>V5</b> 240V~/50Hz   | <b>M5</b>         |                                                                                 |
| <b>P6</b><br>        |                           | <b>V6</b> 240V~/60Hz   | <b>M6</b>         |                                                                                 |
|                      | <b>F2</b><br><br>KJD12-10 |                        |                   |                                                                                 |

KJD12-14 Electromagnetic Switch



KJD12-14



KJD12-14-2

Description

On/off and electric motor control with built-in under voltage and overload protection. Applicable for electrical machine tools such as electrical carpentry tools, bench drills, grinders, lathes and saws.

Specifications

| Standard                   | TUV (EN61058)     |         | TUV (EN60947)          | UL,CUL(UL508,E195428) |           |                       |
|----------------------------|-------------------|---------|------------------------|-----------------------|-----------|-----------------------|
| Rated Voltage              | 120V~             | 250V~   | 250V~                  | 100-120V~             | 220-240V~ | 100-120/<br>220-240V~ |
| Rated Current              | 18(18)A           | 16(12)A | 18A(AC-1)<br>15A(AC-3) | 1HP                   | 1.5HP     | 16A                   |
| Coil Voltage               | 120V~; 220~240V~  |         |                        |                       |           |                       |
| Rated Frequency            | 50/60Hz           |         |                        |                       |           |                       |
| Degree of Protection       | IP54              |         |                        |                       |           |                       |
| Number of operating Cycles | 5E4               |         |                        |                       |           |                       |
| Ambient Temperature Limits | T85/55orT55       |         |                        |                       |           |                       |
| Terminals                  | Faston6.3 × 0.8mm |         |                        |                       |           |                       |

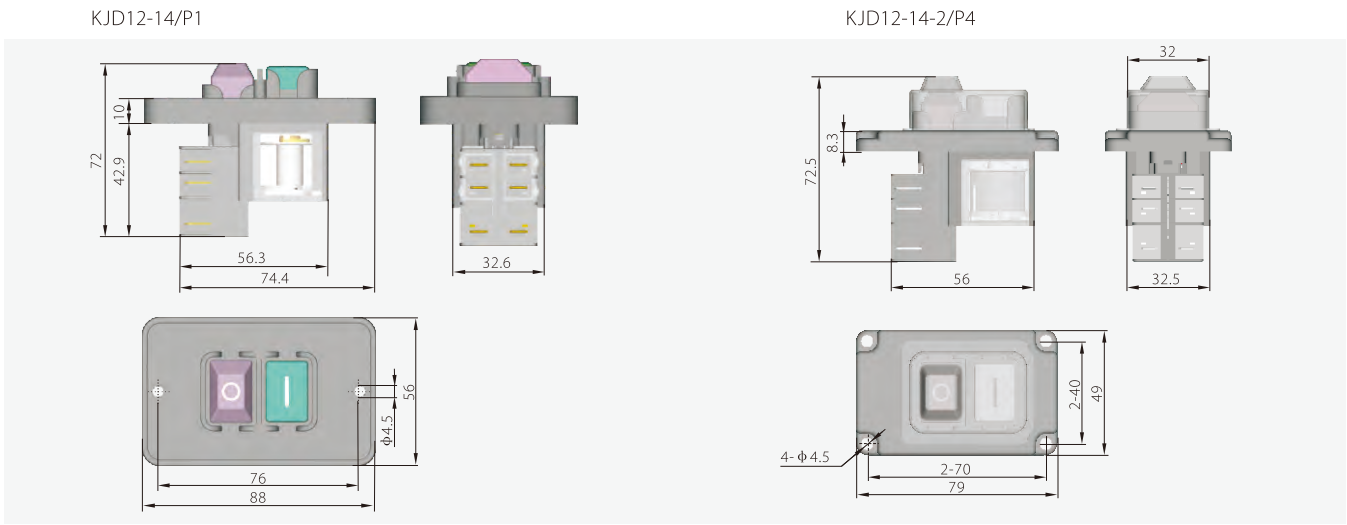


KJD12-14 Electromagnetic Switch

Order options

| Panel                   | Function      | Coil Voltage/Frequency | Marking on Button | Accessories                                              |
|-------------------------|---------------|------------------------|-------------------|----------------------------------------------------------|
| <b>P1</b><br>A01814<br> | <b>F1</b><br> | <b>V1</b> 120V~/50Hz   | <b>M1</b>         | <b>A1</b> Waterproof Cover<br>                           |
| <b>P2</b><br>A05099<br> |               | <b>V2</b> 120V~/60Hz   | <b>M2</b>         | <b>A2</b> For Panel P2<br>                               |
| <b>P3</b><br>A05098<br> |               | <b>V3</b> 230V~/50Hz   | <b>M3</b>         | <b>A3</b> Emergency stop button and Waterproof Cover<br> |
| <b>P4</b><br>A01821<br> |               | <b>V4</b> 230V~/60Hz   | <b>M4</b>         | <b>PL1</b>                                               |
| <b>P5</b><br>A06008<br> |               | <b>V5</b> 240V~/50Hz   | <b>M5</b>         | <b>PL12</b>                                              |
|                         |               | <b>V6</b> 240V~/60Hz   | <b>M6</b>         | <b>PL13</b>                                              |

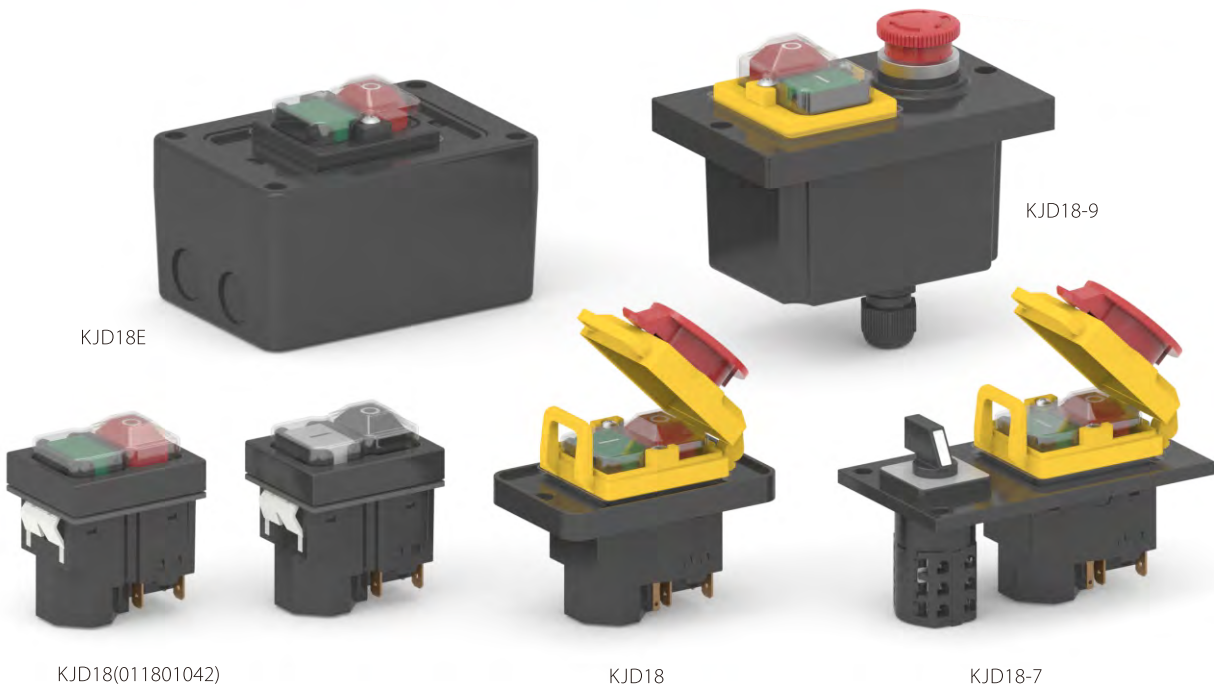
Reference Dimension



KJD18 Electromagnetic Switch



KJD18 Electromagnetic Switch



Description

Switch KJD18 can be used to turn on and control electrical motors as it has under voltage and restart protection. Advanced features include controlling the electrical motor movement and acting as a replacement for a two directional switch.

Specifications

| Standard                   | TUV (EN60947)                        |           | TUV (EN61058) |        |
|----------------------------|--------------------------------------|-----------|---------------|--------|
| Rated Voltage              | 400V~                                |           | 250V~         | 400V~  |
| Rated Current              | 7.5A(AC-3)                           | 6A(AC-15) | 15(12)A       | 15(8)A |
| Rated Frequency            | 50/60Hz                              |           |               |        |
| Degree of Protection       | IP54                                 |           |               |        |
| Number of operating Cycles | 5E4                                  |           |               |        |
| Poles                      | 2-poles or 3-poles                   |           |               |        |
| Terminals                  | Faston 6.3 × 0.8mm or Screw terminal |           |               |        |
| Phase                      | Single phase and Three phase         |           |               |        |

Order options

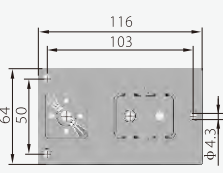
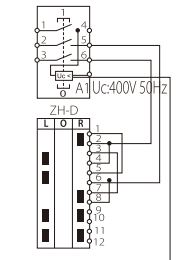
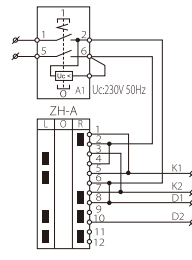
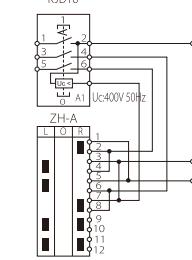
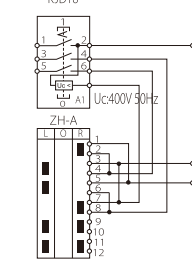
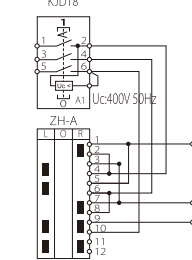
| Appearance and Panel                                                       | Function                                                                                                                                                                                                                                                        | Coil Voltage/Frequency                                                                                                                      | Marking on Button                                                                                                                   | Accessories                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><b>KJD18</b></div> <div><b>P1</b> A01904</div> <div></div>            | <div><b>F1</b> Without Remote Trip-Three Phase</div> <div></div> <div><b>F2</b> With Remote Trip-Three Phase</div> <div></div> <div><b>F3</b> Without Remote Trip-Single Phase</div> <div></div> <div><b>F4</b> With Remote Trip-Single Phase</div> <div></div> | <div><b>V1</b> 110-120V~/50Hz</div> <div><b>V2</b> 110-120V~/60Hz</div> <div><b>V3</b> 230V~50/60Hz</div> <div><b>V4</b> 400V~50/60Hz</div> | <div><b>M1</b> </div> <div><b>M2</b> </div> <div><b>M3</b> </div> <div><b>M4</b> </div> <div><b>M5</b> </div> <div><b>M6</b> </div> | <div><b>A1</b> With Waterproof Cover</div> <div></div> <div><b>A2</b> Rubber Sleeve</div> <div></div> <div><b>A3</b> Emergency stop button and Waterproof Cover</div> <div></div> <div><b>PL1</b> </div> <div><b>PL12</b> </div> <div><b>PL13</b> </div> |
| <div><b>KJD18(011801042)</b></div> <div><b>P5</b> A05645</div> <div></div> |                                                                                                                                                                                                                                                                 |                                                                                                                                             |                                                                                                                                     |                                                                                                                                                                                                                                                          |
| <div><b>KJD18-9</b></div> <div><b>P6</b> A01914</div> <div></div>          |                                                                                                                                                                                                                                                                 |                                                                                                                                             |                                                                                                                                     |                                                                                                                                                                                                                                                          |
| <div><b>KJD18-7</b></div> <div><b>P7</b> A01913</div> <div></div>          | <div><b>F5</b> KJD18</div> <div></div>                                                                                                                                                                                                                          |                                                                                                                                             |                                                                                                                                     |                                                                                                                                                                                                                                                          |

KJD18 Electromagnetic Switch

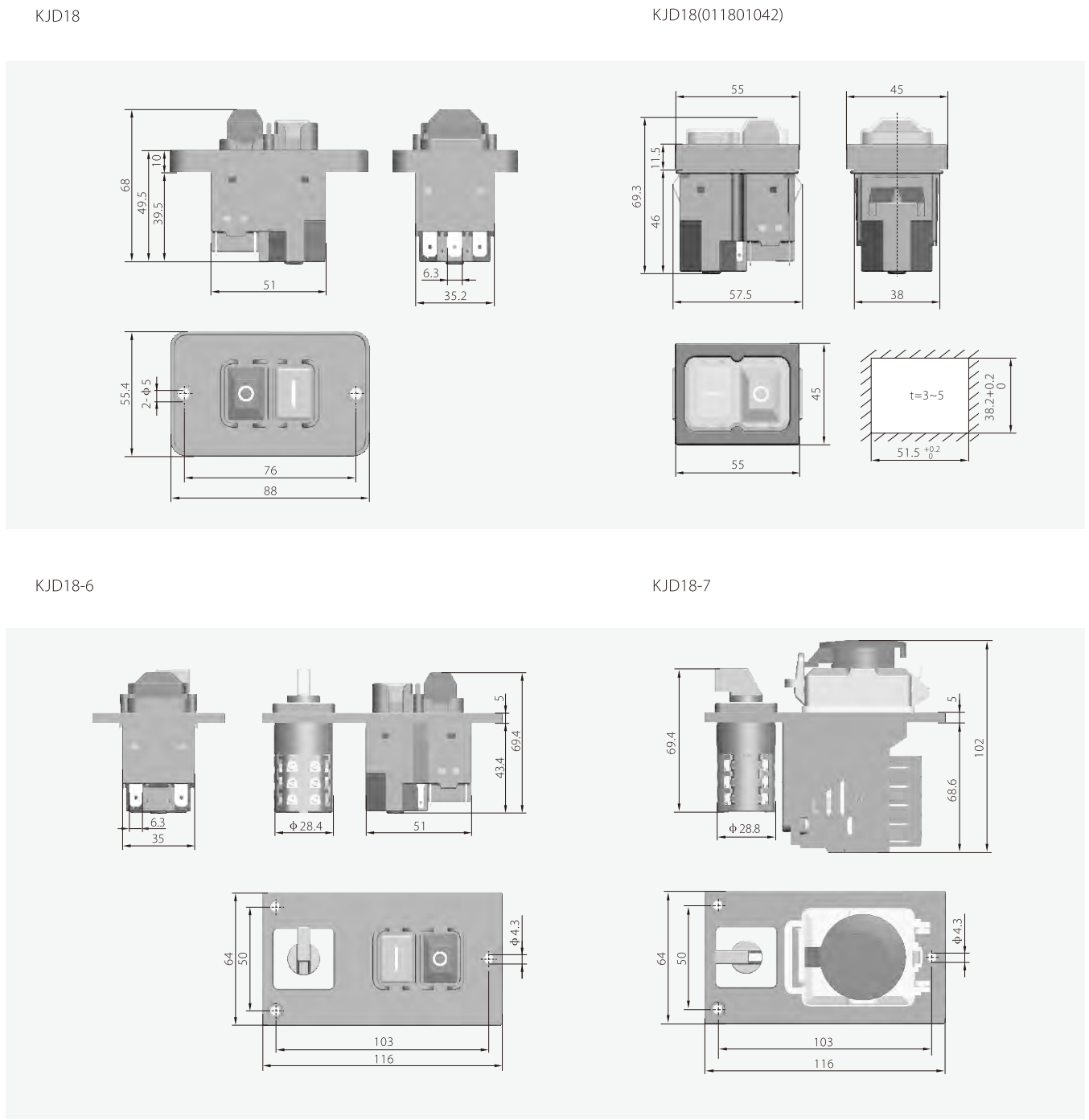


KJD18 Electromagnetic Switch

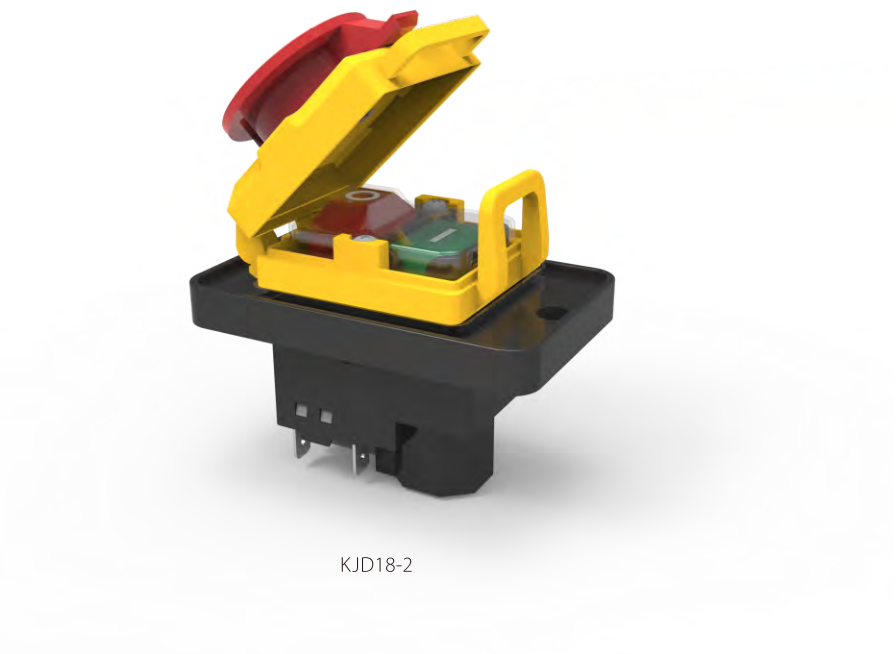
Order options

| Appearance and Panel                                                                                                                                                                                 | Function                                                                                          | Coil Voltage/Frequency                                                                                                                       | Marking on Button                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Accessories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>KJD18-6<br><br>P8 A0191201 | <b>F6</b><br>    | <b>V1</b> 120V~/50Hz<br><b>V2</b> 120V~/60Hz<br><b>V3</b> 230V~/50Hz<br><b>V4</b> 230V~/60Hz<br><b>V5</b> 240V~/50Hz<br><b>V6</b> 240V~/60Hz | <b>M1</b> <br><b>M2</b> <br><b>M3</b> <br><b>M4</b> <br><b>M5</b> <br><b>M6</b>  | <b>A1</b> With Waterproof Cover<br><br><br><br>For Emergency Stop Button                                                                                                                                                                                    |
|                                                                                                                                                                                                      | <b>F7</b><br>    |                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                                                                                      | <b>F8</b><br>   |                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>A3</b> Emergency stop button and Waterproof Cover<br>                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                      | <b>F9</b><br>  |                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>PL1</b> <br><b>PL12</b> <br><b>PL13</b> <br><b>PL14</b> <br><b>PL16</b>  |
|                                                                                                                                                                                                      | <b>F10</b><br> |                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

Reference Dimension



KJD18-2 Electromagnetic Switch



KJD18-2

Description

The switch KJD18-2 can be used to turn on and control electrical motors as it has low voltage and restart protection

- 1.Trip function
- 2.Automatically disconnects when low voltage
- 3.Reduced noise

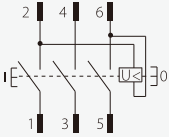
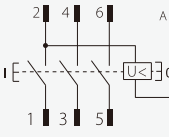
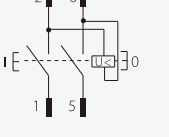
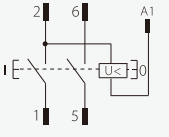
Specifications

| Standard                   | TUV (EN61058)                        |        |
|----------------------------|--------------------------------------|--------|
| Rated Voltage              | 250V~                                | 400V~  |
| Rated Current              | 15(12)A                              | 15(8)A |
| Rated Frequency            | 50/60Hz                              |        |
| Degree of Protection       | IP54                                 |        |
| Number of operating Cycles | 5E4                                  |        |
| Poles                      | 2-poles or 3-poles                   |        |
| Terminals                  | Faston 6.3 × 0.8mm or Screw terminal |        |
| Phase                      | Three phase                          |        |



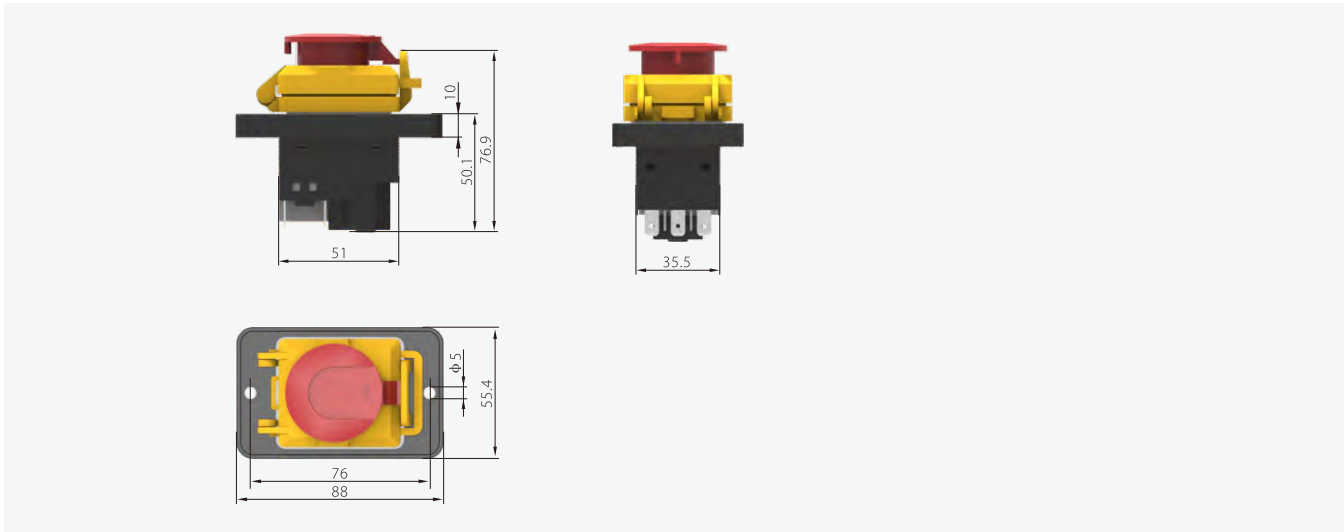
KJD18-2 Electromagnetic Switch

Order options

| Appearance                                                                          | Function                                                                                                                           | Coil Voltage/Frequency                                                                       | Marking on Button                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Accessories                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>F1</b> Without Remote Trip-Three Phase<br>   | <b>V1</b> 120V~/50Hz<br><b>V2</b> 120V~/60Hz<br><b>V3</b> 230V~/50Hz<br><b>V4</b> 230V~/60Hz | <b>M1</b>                                                                                                                                                                                                                                                                                                                                                                             | <b>A1</b> With Waterproof Cover<br><br> |
|                                                                                     | <b>F2</b> With Remote Trip-Three Phase<br>      | <b>V5</b> 240V~/50Hz<br><b>V6</b> 240V~/60Hz<br><b>V7</b> 400V~/50Hz<br><b>V8</b> 400V~/60Hz | <b>M2</b>  <br><b>M3</b>  <br><b>M4</b>   | <b>A2</b> Emergency stop button and Waterproof Cover<br><br>PL1                                                            |
|                                                                                     | <b>F3</b> Without Remote Trip-Single Phase<br> |                                                                                              | <b>M5</b>  <br><b>M6</b>                                                                                                                                                                                      | PL12                                                                                                                      |
|                                                                                     | <b>F4</b> With Remote Trip-Single Phase<br>   |                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PL13                                                                                                                     |

Reference Dimension

KJD18-2(011811)



KOA24-5 Electromagnetic Switch



KJD24-5

Description

The KJD24-5 switches are made with an electromagnetic switch and various outlet sockets and plug combinations. It can control motors and connect the power safely. It can open contacts when the power reduces or fails. Safety is greatly improved.

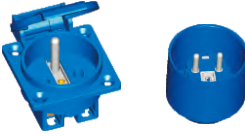
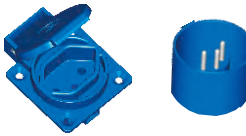
Specifications

|                                                                                            |                      |
|--------------------------------------------------------------------------------------------|----------------------|
| Standard                                                                                   | EN60947              |
| Rated Voltage                                                                              | 250V~                |
| Rated Current                                                                              | AC-1:18A<br>AC-3:15A |
| Number of operating Cycles                                                                 | 5E4                  |
| Degree of Protection                                                                       | IP54                 |
| Cable with plug: H07RN-F3Gx1.00mm <sup>2</sup> (1.5mm <sup>2</sup> )+Plug 16A 250V<br>220V |                      |



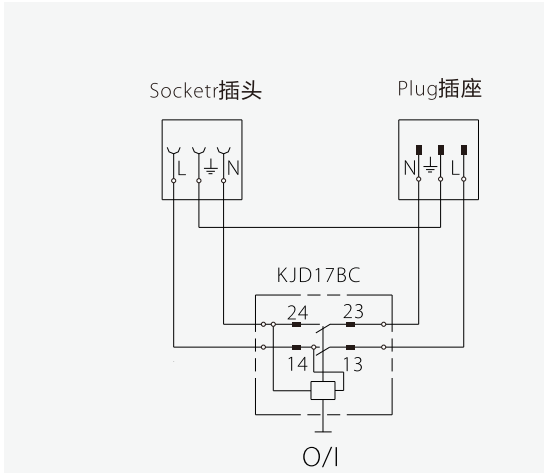
KJD24-5 Electromagnetic Switch

Order options

| Plug and Socket                                                                                                              | Coil Voltage/Frequency                                               | Marking on Button                                                                                                                                                                                                                                                                               | Accessories                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <br><b>PS1</b><br>Germany Plug and Socket | <b>V1</b> 120V~/50Hz<br><b>V2</b> 120V~/60Hz<br><b>V3</b> 230V~/50Hz | <b>M1</b> <br><b>M2</b> <br><b>M3</b>  | <b>A1</b> With Waterproof Cover<br> |
| <br><b>PS2</b><br>French Plug and Socket  | <b>V4</b> 230V~/60Hz<br><b>V5</b> 240V~/50Hz<br><b>V6</b> 240V~/60Hz | <b>M4</b> <br><b>M5</b> <br><b>M6</b>  |                                                                                                                        |
| <br><b>PS3</b><br>Swiss Plug and Socket  |                                                                      |                                                                                                                                                                                                                                                                                                 |                                                                                                                        |

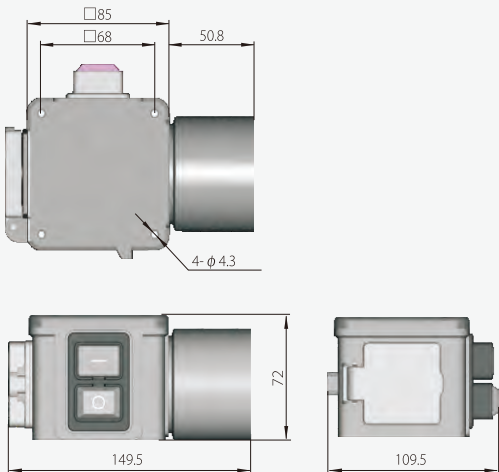
Function

KJD24-5



Reference Dimension

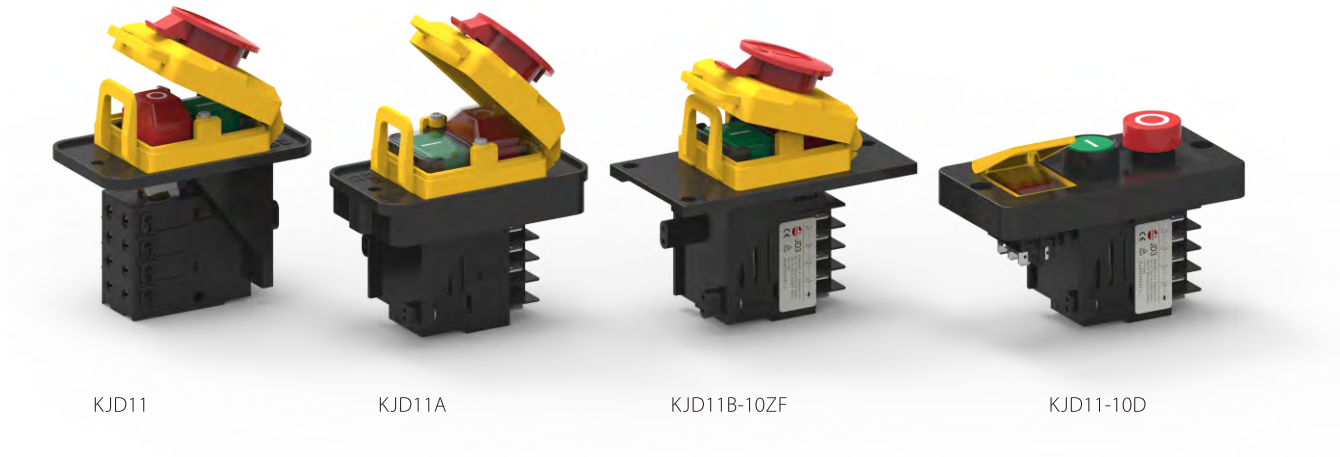
KJD24-5



# KJD11 Electromagnetic Switch



# KJD11 Electromagnetic Switch



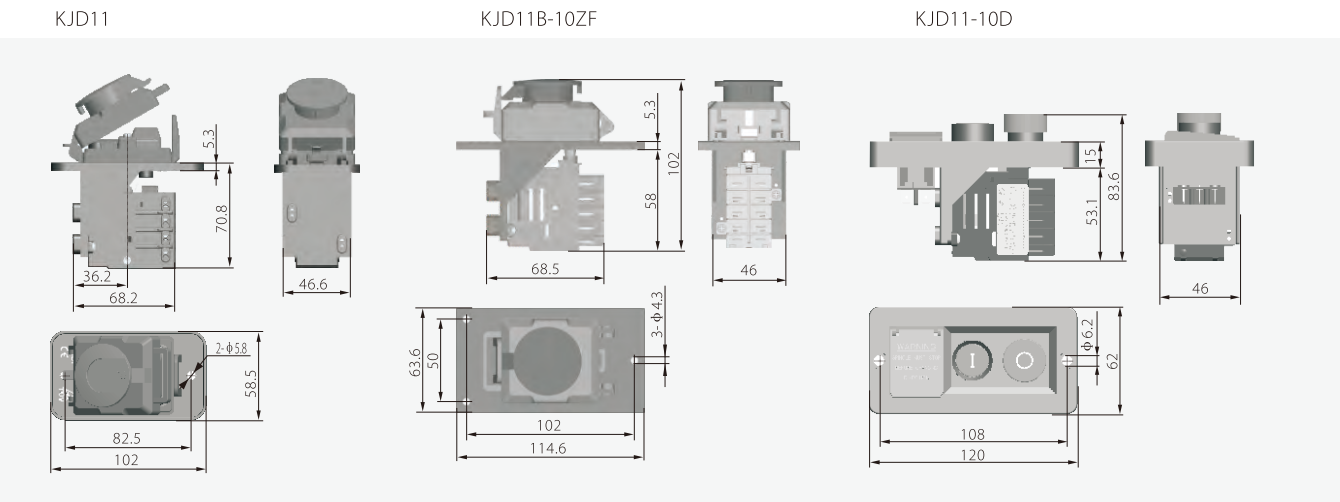
**Description**

The main body consists of relay KJD31, JD3 or JD4.  
The switch KJD11 can control electrical motors.  
Integrated switch with restart and low voltage protection.

**Specifications**

| Standard                   | TUV,CE(EN60947)             |                        | TUV,CE(EN61058) |         |
|----------------------------|-----------------------------|------------------------|-----------------|---------|
| Rated Voltage              | 230V~                       | 400V~                  | 250V~           | 400V~   |
| Rated Current              | 16A(AC-3)<br>8A(AC-15)      | 12A(AC-3)<br>8A(AC-15) | 12(12)A         | 12(10)A |
| Rated Frequency            | 50/60Hz                     |                        |                 |         |
| Number of operating Cycles | 5E4                         |                        |                 |         |
| Phase                      | Single phase or Three phase |                        |                 |         |

**Reference Dimension**



**Order options**

| Panel         | Function                                               | Marking on Button                                 | Accessories                                              | Voltage/Frequency                                                                                    |
|---------------|--------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>P1</b><br> | <b>F1</b> Three Phase<br>                              | <b>M1</b><br><b>M2</b>                            | <b>A1</b> Waterproof Cover<br>                           | <b>V1</b> 100-120V~/50Hz<br><b>V2</b> 100-120V~/60Hz<br><b>V3</b> 230V~/50Hz<br><b>V4</b> 230V~/60Hz |
| <b>P2</b><br> | <b>F2</b> Single Phase<br>                             | <b>M3</b><br><b>M4</b>                            | <b>A2</b> Emergency stop button and Waterproof Cover<br> | <b>V5</b> 400V~/50Hz<br><b>V6</b> 400V~/60Hz                                                         |
| <b>P3</b><br> | <b>F4</b> Three Phase<br>                              | <b>M5</b><br><b>M6</b>                            | <b>PL2</b><br><b>PL6</b><br><b>PL7</b>                   |                                                                                                      |
| <b>P4</b><br> | <b>F5</b> Single Phase with bi-direction reversing<br> | <b>M7</b><br><b>M8</b><br><b>M9</b><br><b>M10</b> |                                                          |                                                                                                      |
|               | <b>F6</b> Three Phase with bi-direction reversing<br>  |                                                   |                                                          |                                                                                                      |

KJD21 Electromagnetic Switch



KJD21 Electromagnetic Switch



KJD21

Description

The KJD21 switches can be used to turn on and control electric motors as it has restart and low voltage protection. Advanced features including electric motor bi-direction reverse control, acting as a replacement for bi-direction reversing switch.

Specifications

| Standard                   | CE(EN60947)                 |                        |
|----------------------------|-----------------------------|------------------------|
| Rated Voltage              | 120/230V~                   | 400V~                  |
| Rated Current              | 16A(AC-3)<br>8A(AC-15)      | 12A(AC-3)<br>8A(AC-15) |
| Rated Frequency            | 50/60Hz                     |                        |
| Number of Operating Cycles | 5E4                         |                        |
| Phase                      | Single phase or Three phase |                        |

Order options

| Function                   | Voltage/Frequency       | Marking on Button | Accessories                                              |
|----------------------------|-------------------------|-------------------|----------------------------------------------------------|
| <b>F1</b> Three Phase<br>  | <b>V1</b> 100-120V/50Hz | <b>M1</b>         | <b>A1</b> Waterproof Cover<br>                           |
|                            | <b>V2</b> 100-120V/60Hz | <b>M2</b>         |                                                          |
|                            | <b>V3</b> 230V/50Hz     | <b>M3</b>         |                                                          |
|                            | <b>V4</b> 230V/60Hz     | <b>M4</b>         | <b>A2</b> Emergency stop button and Waterproof Cover<br> |
|                            | <b>V5</b> 400V/50Hz     | <b>M5</b>         |                                                          |
|                            | <b>V6</b> 400V/60Hz     | <b>M6</b>         |                                                          |
| <b>F2</b> Single Phase<br> |                         |                   |                                                          |
| <b>F3</b> Three Phase<br>  |                         |                   |                                                          |

Reference Dimension

KJD21

