

KUP-14AE5-24

✓ ACTIVE

Potter & Brumfield | Potter & Brumfield KUP

TE Internal #: 6-1393117-8

General Purpose Power Relay, AC, Monostable, 3 Form C 3PDT-CO, 10 A Contact Rating, 24 VAC Coil Voltage, Potter & Brumfield KUP

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Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Contact Arrangement: **3 Form C 3PDT-CO**

Current Type: **AC**

Contact Current Rating: **10 A**

Features

Product Type Features

|                        |                             |
|------------------------|-----------------------------|
| Relay & Contactor Type | General Purpose Power Relay |
|------------------------|-----------------------------|

Configuration Features

|                         |                            |
|-------------------------|----------------------------|
| Contact Number of Poles | 3                          |
| Coil Special Features   | UL Coil Insulation Class B |
| Contact Arrangement     | 3 Form C 3PDT-CO           |

Electrical Characteristics

|                                                         |             |
|---------------------------------------------------------|-------------|
| Contact Limiting Short-Time Current                     | 10 A        |
| Contact Limiting Making Current                         | 10 A        |
| Contact Limiting Continuous Current                     | 10 A        |
| Contact Limiting Breaking Current                       | 10 A        |
| Insulation Initial Dielectric Between Open Contacts     | 1200 Vrms   |
| Insulation Initial Dielectric Between Adjacent Contacts | 2200 Vrms   |
| Contact Switching Load (Min)                            | 300mA @ 12V |
| Coil Resistance                                         | 72 Ω        |
| Coil Power Rating AC                                    | 2.8 VA      |
| Insulation Initial Resistance                           | 100 MΩ      |
| Contact Current Rating                                  | 10 A        |
| Coil Voltage Rating                                     | 24 VAC      |



|                        |         |
|------------------------|---------|
| Contact Voltage Rating | 240 VAC |
|------------------------|---------|

|                                                       |           |
|-------------------------------------------------------|-----------|
| Insulation Initial Dielectric Between Contacts & Coil | 2200 Vrms |
|-------------------------------------------------------|-----------|

Body Features

|                |                |
|----------------|----------------|
| Product Weight | 85 g[2.988 oz] |
|----------------|----------------|

|                |                |
|----------------|----------------|
| Enclosure Type | Dust Protected |
|----------------|----------------|

Contact Features

|                  |                      |
|------------------|----------------------|
| Contact Material | Silver Cadmium Oxide |
|------------------|----------------------|

Termination Features

|                                    |                         |
|------------------------------------|-------------------------|
| Main Termination & Connection Type | Quick Connect Terminals |
|------------------------------------|-------------------------|

|                                    |                         |
|------------------------------------|-------------------------|
| Coil Termination & Connection Type | Quick Connect Terminals |
|------------------------------------|-------------------------|

Mechanical Attachment

|                    |                      |
|--------------------|----------------------|
| Product Mount Type | Panel & Socket Mount |
|--------------------|----------------------|

Dimensions

|               |                    |
|---------------|--------------------|
| Product Width | 35.71 mm[1.406 in] |
|---------------|--------------------|

|                |                   |
|----------------|-------------------|
| Product Length | 38.89 mm[1.53 in] |
|----------------|-------------------|

|                |                  |
|----------------|------------------|
| Product Height | 49.2 mm[1.93 in] |
|----------------|------------------|

Usage Conditions

|                             |                           |
|-----------------------------|---------------------------|
| Operating Temperature Range | -45 – 45 °C[-49 – 113 °F] |
|-----------------------------|---------------------------|

|                                      |     |
|--------------------------------------|-----|
| Environmental Category of Protection | RTI |
|--------------------------------------|-----|

|                                         |               |
|-----------------------------------------|---------------|
| Environmental Ambient Temperature (Max) | 45 °C[113 °F] |
|-----------------------------------------|---------------|

Operation/Application

|                      |            |
|----------------------|------------|
| Coil Magnetic System | Monostable |
|----------------------|------------|

|              |    |
|--------------|----|
| Current Type | AC |
|--------------|----|

Packaging Features

|                  |         |
|------------------|---------|
| Packaging Method | Package |
|------------------|---------|

Other

|  |                |
|--|----------------|
|  | >2.5 – ≤3.5 VA |
|--|----------------|

|                       |            |
|-----------------------|------------|
| Contact Current Class | >5 – ≤10 A |
|-----------------------|------------|

|                           |                                  |
|---------------------------|----------------------------------|
| Height Class (Mechanical) | >45 – ≤70 mm[>1.772 – ≤2.756 in] |
|---------------------------|----------------------------------|

|                           |                                  |
|---------------------------|----------------------------------|
| Length Class (Mechanical) | >33 – ≤45 mm[>1.299 – ≤1.772 in] |
|---------------------------|----------------------------------|

|                          |                   |
|--------------------------|-------------------|
| Width Class (Mechanical) | >33 mm[>1.299 in] |
|--------------------------|-------------------|



Product Compliance

For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions                                                                                                                                                                                                                                                                                                                                                                                                                             |
| EU ELV Directive 2000/53/EC                   | Not Yet Reviewed                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量超出标准 Restricted Substance(s) Above Threshold                                                                                                                                                                                                                                                                                                                                                                                                    |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Cadmium oxide (4.37% in 4735210816)<br><b>Article Safe Usage Statements:</b><br>Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location. |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                                                                                                                                                                                                                                                                                                                                        |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                                                                                                                                                                                                                                                                                                                                          |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



Also in the Series | Potter & Brumfield KUP



DC Relays(35)

General Purpose Power Relays(66)

Customers Also Bought

TE Part #204507-1  
AMPLIMITE,ASY,PLUG,STD,90,4

TE Part #208492-1  
PLUG ASSY,SZ 22,CMC

TE Part #213571-2  
CPC PLUG KIT 20-14 W/O CBL CL

TE Part #213650-1  
CPC 20-14 FREE HANGING RCPT

TE Part #7-1393114-0  
KUHP-11A51-24=KU-

TE Part #1-1393117-7  
KUP-11A11-120=KU

TE Part #2-1393238-5  
RTB14615

TE Part #1-1393243-8  
RTE24730

TE Part #1423695-4  
W58-XC1A4A-16=CTBKR,THERM,PB,

TE Part #5-1617758-0  
FCB-205-0224M=M83536/2-024M

Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG\_CVM\_CVM\_6-1393117-8\_D.2d\_dxf.zip
- English
- Customer View Model
- ENG\_CVM\_CVM\_6-1393117-8\_D.3d\_igs.zip



English

Customer View Model

ENG\_CVM\_CVM\_6-1393117-8\_D.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

KU Sockets & Accessories

English

KUP Series Panel Plug-in Relay

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

UL

English