

KUP-14A31F-120

✓ ACTIVE

Potter & Brumfield | Potter & Brumfield KUP

TE Internal #: 8-1393117-6

General Purpose Power Relay, AC, Monostable, 3 Form C 3PDT-CO, 5 A Contact Rating, 120 VAC Coil Voltage, Potter & Brumfield KUP

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Relays & Contactors > Electromechanical Relays



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

Current Type: **AC**

Coil Magnetic System: **Monostable**

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

Contact Current Rating: **5 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                     | 5 A         |
| Contact Limiting Making Current                         | 5 A         |
| Contact Limiting Continuous Current                     | 5 A         |
| Contact Limiting Breaking Current                       | 5 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                                         | 1700 Ω      |
| Coil Power Rating AC                                    | 2.9 VA      |
| Insulation Initial Resistance                           | 100 MΩ      |
| Contact Current Rating                                  | 5 A         |
| Coil Voltage Rating                                     | 120 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 | Ag |
|------------------|----|

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[1.4 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

|                      |            |
|----------------------|------------|
| Indicator Type       | Lamp       |
| Current Type         | AC         |
| Coil Magnetic System | Monostable |

Packaging Features

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

Other

|                                         |            |
|-----------------------------------------|------------|
| Contact Current Class                   | 16 A       |
| Environmental Ambient Temperature Class | 0 – 50 °C  |
| Height Class (Mechanical)               | 40 – 50 mm |
| Length Class (Mechanical)               | 35 – 40 mm |
|                                         |            |



|                          |            |
|--------------------------|------------|
| Width Class (Mechanical) | 30 – 40 mm |
|--------------------------|------------|

Product Compliance

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

|                                               |                                                                                                                                |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant                                                                                                                      |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                      |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold                                                                                        |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2025 (247)<br>Candidate List Declared Against: JUNE 2023 (235)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Yet Reviewed for halogen content                                                                                           |
| 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>

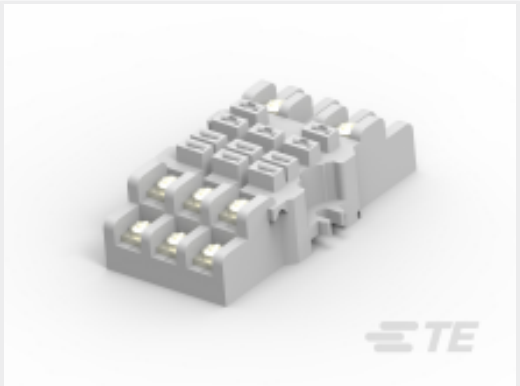
Compatible Parts



TE Part # 1393143-2  
27E067=SOCKET,KU,11,QC.187,NY,  
HARD-MNT



TE Part # 1393143-1  
27E043=SOCKET,KU,11,SLG,NYL,N



TE Part # 1393143-5  
27E121=SOCKET,KUP,11,SCW,SURF-MOUNT



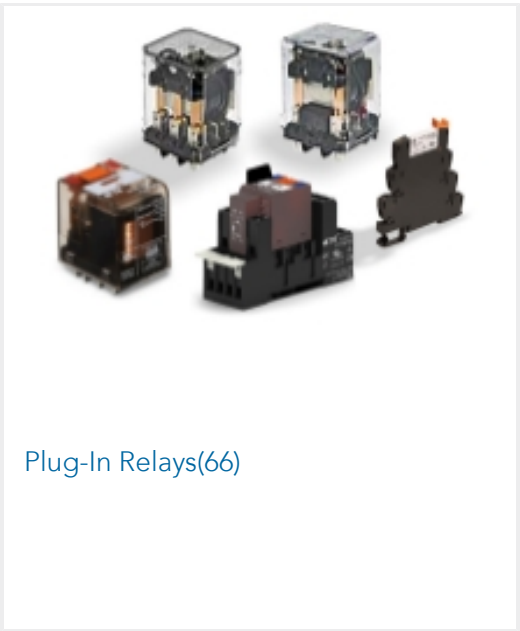
TE Part # 3-1393143-8  
27E396=SOCKET,KU,11,SNAP,.187QC





Also in the Series

Potter & Brumfield KUP



Customers Also Bought





Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_8-1393117-6\_D.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_8-1393117-6\_D.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_8-1393117-6\_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