

# KUEP-3D15-12 ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield KUEP

TE Internal #: 9-1393113-8

General Purpose Power Relay, Monostable, 1.2 W Coil, 120 ohm  
Coil Resistance, UL Coil Insulation Class B, Potter & Brumfield  
KUEP, Power Relays

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Relays & Contactors > Relays > Power Relays



Relay Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Coil Power Rating DC: **1.2 W**

Coil Resistance: **120 Ω**

Coil Special Features: **UL Coil Insulation Class B**

## Features

### Product Type Features

|            |                             |
|------------|-----------------------------|
| Relay Type | General Purpose Power Relay |
|------------|-----------------------------|

### Configuration Features

|                          |                            |
|--------------------------|----------------------------|
| Contact Special Features | Magnetic Blowout           |
| Coil Special Features    | UL Coil Insulation Class B |
| Contact Arrangement      | 1 Form X SPST-NO-DM        |
| Contact Number of Poles  | 1                          |

### Electrical Characteristics

|   |           |
|---|-----------|
| Insulation Initial Dielectric Between Open Contacts     | 1200 Vrms |
| Contact Limiting Making Current                         | 10 A      |
| Contact Limiting Short-Time Current                     | 10 A      |
| Contact Limiting Continuous Current                     | 10 A      |
| Insulation Initial Dielectric Between Adjacent Contacts | 2200 Vrms |
| Insulation Initial Dielectric Between Contacts & Coil   | 2200 Vrms |
| Insulation Initial Resistance                           | 100 MΩ    |
| Contact Limiting Breaking Current                       | 10 A      |
| Coil Power Rating DC                                    | 1.2 W     |
| Coil Resistance   | 120 Ω     |
| Coil Voltage Rating                                     | 12 VDC    |



|                        |      |
|------------------------|------|
| Contact Current Rating | 10 A |
|------------------------|------|

|                              |             |
|------------------------------|-------------|
| Contact Switching Load (Min) | 300mA @ 12V |
|------------------------------|-------------|

|                        |         |
|------------------------|---------|
| Contact Voltage Rating | 150 VDC |
|------------------------|---------|

### Body Features

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

### Contact Features

|                  |       |
|------------------|-------|
| Contact Material | AgCdO |
|------------------|-------|

### Termination Features

|                       |         |
|-----------------------|---------|
| Relay Connection Type | Plug-In |
|-----------------------|---------|

|                        |                         |
|------------------------|-------------------------|
| Terminal Configuration | Quick Connect Terminals |
|------------------------|-------------------------|

### Mechanical Attachment

|                    |        |
|--------------------|--------|
| Product Mount Type | Socket |
|--------------------|--------|

### Dimensions

|               |                  |
|---------------|------------------|
| Product Width | 35.71 mm[1.4 in] |
|---------------|------------------|

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

|                |                  |
|----------------|------------------|
| Product Height | 48.41 mm[1.9 in] |
|----------------|------------------|

### Usage Conditions

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

|   |               |
|---|---------------|
| Environmental Ambient Temperature (Max) | 70 °C[158 °F] |
|---|---------------|

|                             |             |
|-----------------------------|-------------|
| Operating Temperature Range | -45 – 70 °C |
|-----------------------------|-------------|

### Operation/Application

|              |    |
|--------------|----|
| Current Type | DC |
|--------------|----|

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

### Packaging Features

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

### Other

|                           |            |
|---------------------------|------------|
| Length Class (Mechanical) | 35 – 40 mm |
|---------------------------|------------|

|   |            |
|---|------------|
| Environmental Ambient Temperature Class | 50 – 70 °C |
|---|------------|

|                           |            |
|---------------------------|------------|
| Height Class (Mechanical) | 40 – 50 mm |
|---------------------------|------------|

|                         |           |
|-------------------------|-----------|
| Coil Power Rating Class | 1 – 1.5 W |
|-------------------------|-----------|

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



Contact Current Class

16 A

### 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                   | Compliant   |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JAN 2024 (240)<br>SVHC > Threshold:<br>Cd (3.76% in Component Part)<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                               | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free   |
| 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 # 2-1419106-5  
27E893=SOCKET,KU,11,QC,POLY,NA-



TE Part # 1419106-4  
27E046=SOCKET,KU,11,PC,NYL,NAT



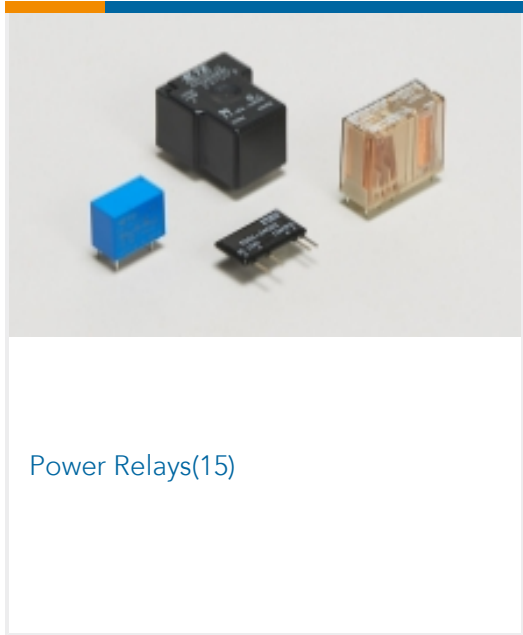
TE Part # 1393143-1  
27E043=SOCKET,KU,11,SLG,NYL,N



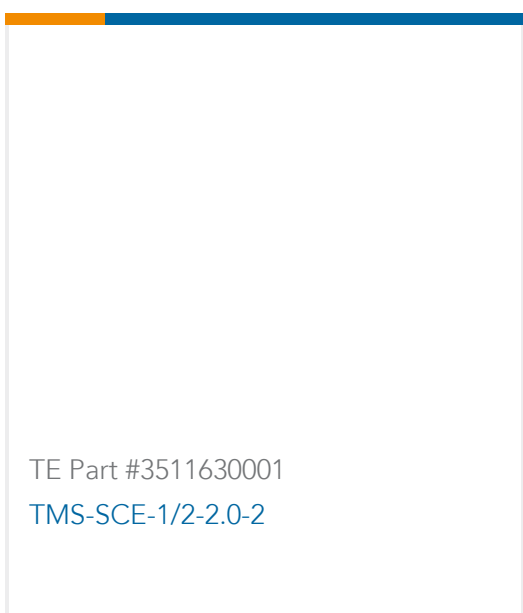
TE Part # 1393143-5  
27E121=SOCKET,KUP,11,SCW,PLE



Also in the Series | **Potter & Brumfield KUEP**



Customers Also Bought





## Documents

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_9-1393113-8\\_D.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_9-1393113-8\\_D.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_9-1393113-8\\_D.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[KUEP Series Relay Datasheet](#)

English

[KU Sockets & Accessories](#)

English

### Product Specifications

[Definitions General Purpose Relays](#)

English

### Agency Approvals

[UL](#)

English