

# KUP-5D15-12 ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield KUP

TE Internal #: 6-1393118-6

General Purpose Power Relay, DC, Monostable, 1 Form C SPDT-CO, 10 A Contact Rating, 12 VDC Coil Voltage, Potter & Brumfield KUP

[View on TE.com >](#)



Relays & Contactors > Electromechanical Relays



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

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form C SPDT-CO**

Current Type: **DC**

Contact Current Rating: **10 A**

## Features

### Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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### Configuration Features

Contact Number of Poles	1
Coil Special Features	UL Coil Insulation Class B
Contact Arrangement	1 Form C SPDT-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	120 $\Omega$
Insulation Initial Resistance	100 M $\Omega$
Contact Current Rating	10 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	240 VAC



Coil Power Rating DC	1.2 W
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Insulation Initial Dielectric Between Contacts & Coil	2200 Vrms
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### Body Features

Product Weight	85 g[2.988 oz]
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Enclosure Type	Dust Protected
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### Contact Features

Contact Material	Silver Cadmium Oxide
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### Termination Features

Main Termination & Connection Type	Quick Connect Terminals
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Coil Termination & Connection Type	Quick Connect Terminals
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### Mechanical Attachment

Product Mount Type	Panel & Socket Mount
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### Dimensions

Product Width	35.71 mm[1.406 in]
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Product Length	38.89 mm[1.53 in]
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Product Height	49.2 mm[1.93 in]
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### Usage Conditions

Operating Temperature Range	-45 – 70 °C[-49 – 158 °F]
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Environmental Category of Protection	RTI
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Environmental Ambient Temperature (Max)	70 °C[158 °F]
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### Operation/Application

Coil Magnetic System	Monostable
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Current Type	DC
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### Packaging Features

Packaging Method	Package
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### Other

Coil Power Rating Class	>1 – ≤1.5 W
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Contact Current Class	>5 – ≤10 A
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Height Class (Mechanical)	>45 – ≤70 mm[>1.772 – ≤2.756 in]
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Length Class (Mechanical)	>33 – ≤45 mm[>1.299 – ≤1.772 in]
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Width Class (Mechanical)	>33 mm[>1.299 in]
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## 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) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Cadmium oxide (4.37% in 4735210816) <b>Article Safe Usage Statements:</b> 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



AC Relays(31)



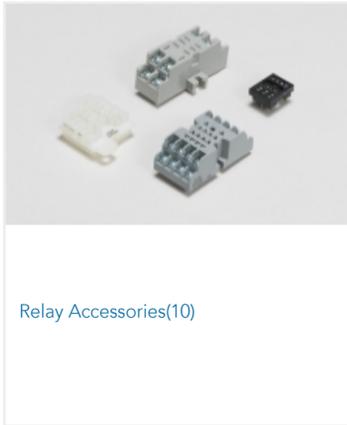
DC Relays(35)



Electromechanical Relays(66)



Plug-In Relays(66)



Relay Accessories(10)

### Customers Also Bought



TE Part #T4111001051-000  
M12,MALE,STRAIGHT,A CODE,5P,  
PG7,GOLD



TE Part #38941-22L  
CONTACTS



TE Part #206036-1  
RECEPT,SZ 17-16 CPC



TE Part #206037-1  
CPC PLUG ASSEMBLY SIZE 17-16



TE Part #1123721-1  
EP CONN. REC CONTACT



TE Part #3-1393104-2  
KRPA-11AN-120=KRPA



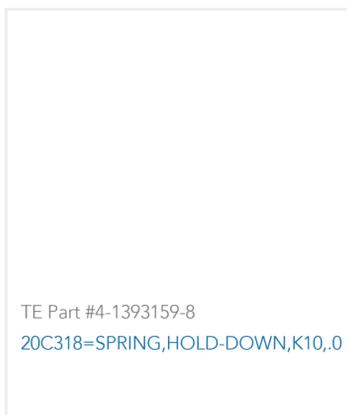
TE Part #2-1416010-7  
RE034024



TE Part #1478762-9  
METAL BACKSHELL 9 WAY TOP E



TE Part #1-2364574-9  
AVH19 FLT SS MT PWR BLU 24V16A



TE Part #4-1393159-8  
20C318=SPRING,HOLD-DOWN,K10,.0

### Documents



**CAD Files**

**Customer View Model**

[ENG\\_CVM\\_CVM\\_6-1393118-6\\_D.2d\\_dxf.zip](#)

English

**3D PDF**

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_6-1393118-6\\_D.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_6-1393118-6\\_D.3d\\_stp.zip](#)

English

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

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**Datasheets & Catalog Pages**

**KU Sockets & Accessories**

English

**KUP Series Panel Plug-in Relay**

English

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**Product Specifications**

**Definitions General Purpose Relays**

English

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**Agency Approvals**

**UL**

English