

# KUHP-5D51-12 ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield KUHP

TE Internal #: 9-1393114-0

Power Relays, General Purpose Power Relay, Monostable, 1200 mW

Coil Power Rating DC, 120  $\Omega$  Coil Resistance, Potter & Brumfield

KUHP

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Relays & Contactors > Relays > Power Relays



Relay Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Coil Power Rating DC: **1200 mW**

Coil Resistance: **120  $\Omega$**

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

## Features

### Product Type Features

Relay Type	General Purpose Power Relay
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### Configuration Features

Coil Special Features	UL Coil Insulation Class B
Contact Arrangement	1 Form C (CO)
Contact Number of Poles	1

### Electrical Characteristics

Insulation Initial Dielectric Between Contacts & Coil	3750 Vrms
Insulation Initial Dielectric Between Open Contacts	1200 Vrms
Contact Limiting Making Current	30 A
Contact Limiting Short-Time Current	30 A
Contact Limiting Continuous Current	30 A
Insulation Initial Dielectric Between Adjacent Contacts	3750 Vrms
Insulation Initial Resistance	100 M $\Omega$
Contact Limiting Breaking Current	30 A
Coil Power Rating DC	1200 mW
Coil Resistance	120 $\Omega$
Coil Voltage Rating	12 VDC
Contact Current Rating	30 A



Contact Switching Load (Min)	300mA @ 12V
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Contact Voltage Rating	240 VAC
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**Body Features**

Product Weight	92 g[3.245 oz]
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**Contact Features**

Contact Material	AgCdO
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**Termination Features**

Relay Connection Type	Plug-In
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Terminal Configuration	Quick Connect Terminals
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**Mechanical Attachment**

Product Mounting Feature Type	Flange with Mounting Slots
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Product Mount Type	Panel
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**Dimensions**

Product Width	38.89 mm[1.53 in]
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Product Length	73.66 mm[2.9 in]
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Product Height	35.71 mm[1.4 in]
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**Usage Conditions**

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

Actuating System	DC
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Coil Magnetic System	Monostable
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**Packaging Features**

Packaging Method	Tray
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**Other**

Length Class (Mechanical)	40 – 50 mm
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Insulation Initial Dielectric Between Coil & Contact Class	3500 – 4000 V
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Environmental Ambient Temperature Class	50 – 70 °C
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Height Class (Mechanical)	30 – 40 mm
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Coil Power Rating Class	1000 – 1500 mW
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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: JAN 2024 (240) Candidate List Declared Against: JAN 2023 (233) SVHC > Threshold: Cadmium oxide (10% in Component Part) <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	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



## Also in the Series | Potter & Brumfield KUHP



Power Relays(31)

## Customers Also Bought



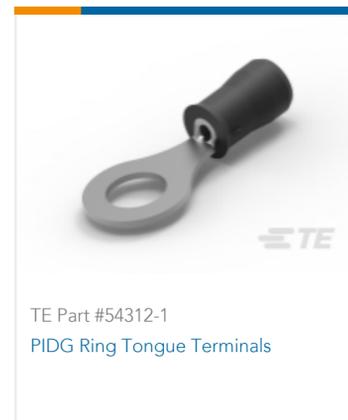
TE Part #770587-1  
24P MINI UMNL PLUG HSG



TE Part #1-640445-0  
10P MTA156 HDR ASSY FL/STR SN



TE Part #640445-2  
02P MTA156 HDR ASSY FL/STR SN



TE Part #54312-1  
PIDG Ring Tongue Terminals



TE Part #1-6609021-0  
10VB3=F7129 S0



TE Part #2330274-1  
SSRDC-200D12 = Hokey Puck,12A,  
200V DC



TE Part #66582-2  
TYPE VI SKT CONT,MULTI-MATE



TE Part #7-1393132-5  
P40P42D12P1-24=CONTACTORS-



TE Part #3-1393210-5  
T9AS5D12-22

## Documents

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_9-1393114-0\\_0303.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_9-1393114-0\\_0303.3d\\_stp.zip](#)

English



### Customer View Model

[ENG\\_CVM\\_9-1393114-0\\_0303.2d\\_dxf.zip](#)

English

[3D PDF](#)

English

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

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### Datasheets & Catalog Pages

[KUHP 30 Amp Power Relays](#)

English

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### Product Specifications

[Definitions General Purpose Relays](#)

English

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### Agency Approvals

[UL](#)

English