

KUHP-5D51-12 ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield KUHP

TE Internal #: 9-1393114-0

Power Relays, Industrial Panel Plug-In, Monostable, DC, 1200 mW

Coil Power Rating DC, 120 Ω Coil Resistance, Potter & Brumfield

KUHP

[View on TE.com >](#)



Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Industrial Panel Plug-In**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating DC: **1200 mW**

Coil Resistance: **120 Ω**

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

Features

Product Type Features

Power Relay Type	Industrial Panel Plug-In
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Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	3500 – 4000 V
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Insulation Initial Dielectric Between Contacts & Coil	3750 Vrms
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Actuating System	DC
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Insulation Initial Dielectric Between Open Contacts	1200 Vrms
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Contact Limiting Making Current	30 A
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Contact Limiting Short-Time Current	30 A
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Contact Limiting Continuous Current	30 A
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Coil Power Rating Class	1000 – 1500 mW
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Insulation Initial Dielectric Between Adjacent Contacts	3750 Vrms
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Insulation Initial Resistance	100 M Ω
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Contact Limiting Breaking Current	30 A
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Coil Magnetic System	Monostable, DC
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Coil Power Rating DC	1200 mW
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Coil Resistance	120 Ω
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Coil Special Features	UL Coil Insulation Class B
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Coil Voltage Rating	12 VDC
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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 Arrangement	1 Form C (CO)
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Contact Current Class	16 A, 20 – 30 A
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Contact Current Rating (Max)	30 A
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Contact Material	AgCdO
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Contact Number of Poles	1
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Relay Terminal Type	Quick Connect, Solder
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Mechanical Attachment

Relay Mounting Type	Bracket, Panel Mount
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Dimensions

Length Class (Mechanical)	40 – 50 mm
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Height Class (Mechanical)	30 – 40 mm
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Width Class (Mechanical)	30 – 40 mm
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Product Width	38.9 mm[1.531 in]
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Product Length	50 mm[1.97 in]
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Product Height	35.7 mm[1.405 in]
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Usage Conditions

Environmental Ambient Temperature Class	50 – 70 °C
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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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Packaging Features

Packaging Method	Tray
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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
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2023
(235)

Candidate List Declared Against: JAN 2023
(233)

SVHC > Threshold:

Cadmium oxide (10% in Component Part)

Article Safe Usage Statements:

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

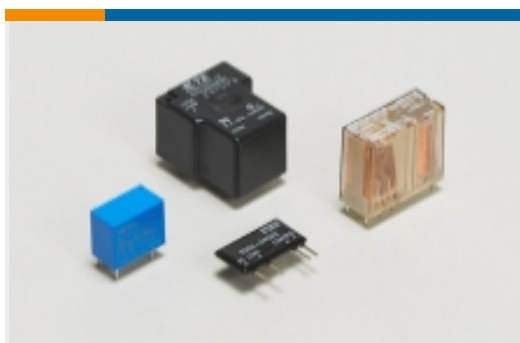


TE Part # 8-1393114-7
KUHP-5DT1-12=KU



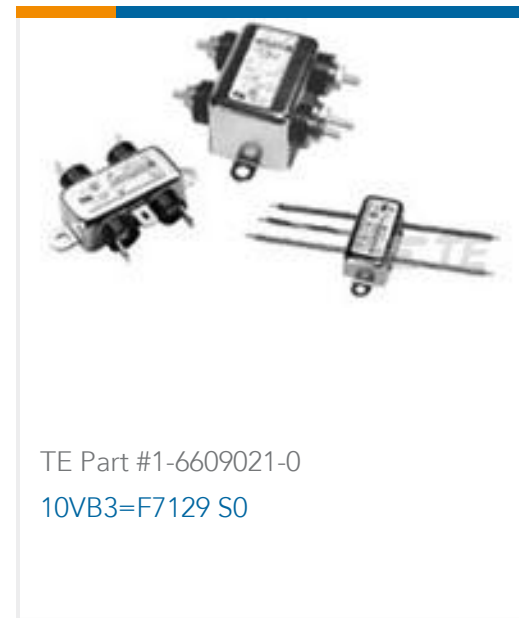
TE Part # 1423187-1
KUHP-5D11-12=RELAY,POWER,PC,DS

Also in the Series | Potter & Brumfield KUHP



Power Relays(31)

Customers Also Bought



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.

Datasheets & Catalog Pages

[KUHP 30 Amp Power Relays](#)

English

Product Specifications



Definitions General Purpose Relays

English

Agency Approvals

UL

English