

KUHP-5D51-12

✓ ACTIVE

Potter & Brumfield | Potter & Brumfield KUHP

TE Internal #: 9-1393114-0

General Purpose Power Relay, DC, Monostable, 1 Form C SPDT-CO, 30 A Contact Rating, 12 VDC Coil Voltage, Potter & Brumfield KUHP

[View on TE.com >](#)



Relays & Contactors > Electromechanical Relays



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

Current Type: **DC**

Coil Magnetic System: **Monostable**

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

Contact Current Rating: **30 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
------------------------	-----------------------------

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	30 A
Contact Limiting Making Current	30 A
Contact Limiting Continuous Current	30 A
Contact Limiting Breaking Current	30 A
Insulation Initial Dielectric Between Open Contacts	1200 Vrms
Insulation Initial Dielectric Between Adjacent Contacts	3750 Vrms
Contact Switching Load (Min)	300mA @ 12V
Coil Resistance	120 Ω
Insulation Initial Resistance	100 MΩ
Contact Current Rating	30 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	240 VAC



Coil Power Rating DC	1.2 W
Insulation Initial Dielectric Between Contacts & Coil	3750 Vrms

Body Features

Product Weight	92 g[3.245 oz]
Enclosure Type	Dust Protected

Contact Features

Contact Material	Silver Cadmium Oxide
------------------	----------------------

Termination Features

Main Termination & Connection Type	Quick Connect Terminals
Coil Termination & Connection Type	Quick Connect Terminals

Mechanical Attachment

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

Dimensions

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

Usage Conditions

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

Operation/Application

Current Type	DC
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Tray
------------------	------

Other

Coil Power Rating Class	1 – 1.5 W
Contact Current Class	16 A
Environmental Ambient Temperature Class	50 – 70 °C
Height Class (Mechanical)	30 – 40 mm



Length Class (Mechanical)	40 – 50 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 with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
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 2025 (247) 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

AC Relays(8)

General Purpose Power Relays(17)

Customers Also Bought

TE Part #1-175194-3
DYNAMIC D-3 REC CONT/S AU 0.76

TE Part #36946
SPLICE,SOLIS PARA 1/0

TE Part #1318095-1
DYNAMIC D-3500 REC HSG 6P

TE Part #640456-5
05P MTA100 HDR ASSY F/L SQ STR

TE Part #917804-3
DYNAMIC D-5 TAB CONT. S L/P

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

TE Part #282837-2
TERMI-BLOK PCB MOUNT 2P

TE Part #640445-3
03P MTA156 HDR ASSY FL/STR SN

TE Part #3-178129-6
DYNAMIC 3200 REC HSG 6P DBL

TE Part #7-1437646-8
3PCV-16-006=3PCV-16-006

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