

KUHP-5AT1-120

✓ ACTIVE

Potter & Brumfield | Potter & Brumfield KUHP

TE Internal #: 8-1393114-1

General Purpose Power Relay, AC, Monostable, 1 Form C SPDT-CO, 30 A Contact Rating, 120 VAC Coil Voltage, Potter & Brumfield KUHP

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Relays & Contactors > Electromechanical Relays



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

Coil Magnetic System: **Monostable**

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

Current Type: **AC**

Contact Current Rating: **30 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	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	1700 Ω
Coil Power Rating AC	2.9 VA
Insulation Initial Resistance	100 MΩ
Contact Current Rating	30 A
Coil Voltage Rating	120 VAC



Contact Voltage Rating	240 VAC
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Insulation Initial Dielectric Between Contacts & Coil	3750 Vrms
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Body Features

Product Weight	92 g[3.245 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 Mounting Feature Type	Flange with Mounting Slots
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Product Mount Type	Panel Mount
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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[1.406 in]
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Usage Conditions

Operating Temperature Range	-45 – 45 °C[-49 – 113 °F]
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Environmental Category of Protection	RTI
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Environmental Ambient Temperature (Max)	45 °C[113 °F]
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Operation/Application

Coil Magnetic System	Monostable
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Current Type	AC
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Packaging Features

Packaging Method	Package
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Other

	>2.5 – ≤3.5 VA
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Contact Current Class	>25 – ≤32 A
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Height Class (Mechanical)	>33 – ≤45 mm[>1.299 – ≤1.772 in]
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Length Class (Mechanical)	>70 mm[>2.756 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	未针对中国 RoHS 符合性进行审核 Not reviewed for China RoHS compliance
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Cadmium oxide (10% in 20082114704) 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 < 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

AC Relays(8)

DC Relays(9)

Electromechanical Relays(17)

Customers Also Bought

TE Part #DT16-18SA-K004
PLG, 18P, BLK, E, A

TE Part #218204-001
22759/34-20-9

TE Part #36151
PIDG R 22-16 COMM 22-18 MIL 6

TE Part #3-87456-8
44 MODIV HSG DR MRKD .100CL

TE Part #277151-3
TERMINAL,COPALUM R 1/0 1/4

TE Part #3-640442-5
05P MTA100 CONN ASSY BLU

TE Part #3-643815-8
08P MTA100 CONN ASSY POL RIB

TE Part #4-1393117-5
KUP-11D15-24=KU

TE Part #2-1437559-8
MTG306D=(MSTG) SW TOG
MUSTANG

TE Part #608868-1
HDE HT PKG FOR SUB D

Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG_CVM_CVM_8-1393114-1_B.2d_dxf.zip
- English
- Customer View Model



[ENG_CVM_CVM_8-1393114-1_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_8-1393114-1_B.3d_stp.zip](#)

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