

KRPA-11DG-12

✓ ACTIVE

Potter & Brumfield | Potter & Brumfield KRPA

TE Internal #: 4-1393104-3

General Purpose Power Relay, DC, Monostable, 2 Form C DPDT-CO, 10 A Contact Rating, 12 VDC Coil Voltage, Potter & Brumfield KRPA

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Relays & Contactors > Electromechanical Relays



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

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **2 Form C DPDT-CO**

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	2
Coil Special Features	UL Coil Insulation Class B
Contact Arrangement	2 Form C DPDT-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	1000 Vrms
Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms
Contact Switching Load (Min)	300mA @ 12V
Coil Resistance	120 Ω
Insulation Initial Resistance	1000 MΩ
Contact Current Rating	10 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	240 VAC



Coil Power Rating DC	1.2 W
Insulation Initial Dielectric Between Contacts & Coil	1000 Vrms

Body Features

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

Contact Features

Contact Material	Silver Cadmium Oxide
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Termination Features

Main Termination & Connection Type	Socket Pins
Coil Termination & Connection Type	Socket Pins

Mechanical Attachment

Product Mounting Feature Type	Mounting Studs
Product Mount Type	Panel & Socket Mount

Dimensions

Product Width	35.71 mm[1.4 in]
Product Length	35.71 mm[1.4 in]
Product Height	50.8 mm[2 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
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Other

Coil Power Rating Class	1 – 1.5 W
Contact Current Class	16 A
Environmental Ambient Temperature Class	50 – 70 °C
Height Class (Mechanical)	50 – 60 mm



Length Class (Mechanical)	35 – 40 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	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 2025 (247) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: Cadmium oxide (4.37% 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	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

TE Part # 2-1419106-3
27E891=SOCKET,KRPA,8,OCTAL,
DINRAIL

TE Part # 1393143-6
27E122=SOCKET,KRP,8,SCW,SURF-
MOUNT

Also in the Series | Potter & Brumfield KRPA

A collection of various AC relays, including a large white one with multiple terminals and several smaller black and silver ones.

AC Relays(21)

A collection of various DC relays, including a large silver one with multiple terminals and several smaller black and silver ones.

DC Relays(24)

A collection of various electromechanical relays, including a large black one with multiple terminals and several smaller black and silver ones.

Electromechanical Relays(45)

A collection of various plug-in relays, including a large black one with multiple terminals and several smaller black and silver ones.

Plug-In Relays(45)

A collection of various relay accessories, including a large white one with multiple terminals and several smaller black and silver ones.

Relay Accessories(4)

Customers Also Bought

A black foot switch with a long cable and a yellow button.

TE Part #K1166941
Foot Switch 44-03-012-1

A black cable with a metal fitting and a yellow button.

TE Part #LL01-1AB04
LL01 1/2" NPT 48" CABLE 80C

A black M12 DC power plug connector with a yellow button.

TE Part #2120947-1
M12 DC POWER PLUG CONNECTOR, T-CODED

A black 20VV1=F7257 S0 component with a yellow button.

TE Part #6609044-4
20VV1=F7257 S0

A black KRPA-14DG-12=KRPA component with a yellow button.

TE Part #8-1393104-2
KRPA-14DG-12=KRPA

A black 10P MTA156 CONN ASSY 20AWG YEL component with a yellow button.

TE Part #4-640427-0
10P MTA156 CONN ASSY 20AWG YEL

A black AMP III PLUG 25P RA 590 THD IN component with a yellow button.

TE Part #5748873-1
AMP III PLUG 25P RA 590 THD IN

A black RITS.JUNCTION BOX 2D 3P P/M component with a yellow button.

TE Part #1473571-3
RITS.JUNCTION BOX 2D 3P P/M

A black OAC-15 = PCB MOUNT, 3A,120V AC - DC I/p component with a yellow button.

TE Part #2-1393028-3
OAC-15 = PCB MOUNT, 3A,120V AC - DC I/p

A black SOLIS R 22-16COMM 22-18MIL 1/2 component with a yellow button.

TE Part #329966
SOLIS R 22-16COMM 22-18MIL 1/2

Documents



CAD Files

Customer View Model

ENG_CVM_CVM_4-1393104-3_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_4-1393104-3_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_4-1393104-3_D.3d_stp.zip

English

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

Datasheets & Catalog Pages

KRPA, KRP, KA, KR 5 to 10 Amp General Purpose Relay

English

KR Sockets & Accessories

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

UL

English