

# KRPA-5DG-12 ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield KRPA

TE Internal #: 1393105-3

Power Relays, Industrial Panel Plug-In, Monostable, DC, 120 mW

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

KRPA

[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: **120 mW**

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

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

## Features

### Product Type Features

|                  |                          |
|------------------|--------------------------|
| Power Relay Type | Industrial Panel Plug-In |
|------------------|--------------------------|

### Electrical Characteristics

|  |                            |
|--|----------------------------|
| Insulation Initial Dielectric Between Coil & Contact Class | 500 – 1000 V               |
| Insulation Initial Dielectric Between Contacts & Coil      | 1000 Vrms                  |
| Actuating System   | DC                         |
| Insulation Initial Dielectric Between Open Contacts        | 1000 Vrms                  |
| Contact Limiting Making Current                            | 10 A                       |
| Contact Limiting Short-Time Current                        | 10 A                       |
| Contact Limiting Continuous Current                        | 10 A                       |
| Coil Power Rating Class                                    | 100 – 150 mW               |
| Insulation Initial Dielectric Between Adjacent Contacts    | 1000 Vrms                  |
| Insulation Initial Resistance                              | 100 M $\Omega$             |
| Contact Limiting Breaking Current                          | 10 A                       |
| Coil Magnetic System                                       | Monostable, DC             |
| Coil Power Rating DC                                       | 120 mW                     |
| Coil Resistance  | 120 $\Omega$               |
| Coil Special Features                                      | UL Coil Insulation Class B |
| Coil Voltage Rating  | 12 VDC                     |

|                              |             |
|------------------------------|-------------|
| Contact Switching Load (Min) | 300mA @ 12V |
|------------------------------|-------------|

|                        |         |
|------------------------|---------|
| Contact Voltage Rating | 240 VAC |
|------------------------|---------|

### Body Features

|                |                |
|----------------|----------------|
| Product Weight | 85 g[2.988 oz] |
|----------------|----------------|

### Contact Features

|                     |               |
|---------------------|---------------|
| Contact Arrangement | 1 Form C (CO) |
|---------------------|---------------|

|                       |                |
|-----------------------|----------------|
| Contact Current Class | 5 – 10 A, 16 A |
|-----------------------|----------------|

|                              |      |
|------------------------------|------|
| Contact Current Rating (Max) | 10 A |
|------------------------------|------|

|                  |       |
|------------------|-------|
| Contact Material | AgCdO |
|------------------|-------|

|                         |   |
|-------------------------|---|
| Contact Number of Poles | 1 |
|-------------------------|---|

|                     |         |
|---------------------|---------|
| Relay Terminal Type | Plug-In |
|---------------------|---------|

### Mechanical Attachment

|                     |        |
|---------------------|--------|
| Relay Mounting Type | Socket |
|---------------------|--------|

### Dimensions

|                           |            |
|---------------------------|------------|
| Length Class (Mechanical) | 35 – 40 mm |
|---------------------------|------------|

|                           |            |
|---------------------------|------------|
| Height Class (Mechanical) | 50 – 60 mm |
|---------------------------|------------|

|                          |            |
|--------------------------|------------|
| Width Class (Mechanical) | 30 – 40 mm |
|--------------------------|------------|

|               |                   |
|---------------|-------------------|
| Product Width | 35.7 mm[1.405 in] |
|---------------|-------------------|

|                |                   |
|----------------|-------------------|
| Product Length | 35.7 mm[1.406 in] |
|----------------|-------------------|

|                |               |
|----------------|---------------|
| Product Height | 50.8 mm[2 in] |
|----------------|---------------|

### Usage Conditions

|   |            |
|---|------------|
| Environmental Ambient Temperature Class | 50 – 70 °C |
|---|------------|

|   |               |
|---|---------------|
| Environmental Ambient Temperature (Max) | 70 °C[158 °F] |
|---|---------------|

|                             |             |
|-----------------------------|-------------|
| Operating Temperature Range | -45 – 70 °C |
|-----------------------------|-------------|

### Packaging Features

|                  |         |
|------------------|---------|
| Packaging Method | Package |
|------------------|---------|

### 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: JUNE 2023  
(235)

Candidate List Declared Against: JAN 2021  
(211)

SVHC > Threshold:

Cadmium oxide (7.95% in Component part)

Cadmium oxide (12.06% 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 # 1393143-6  
27E122=SOCKET,KRP,8,SCW,PLES

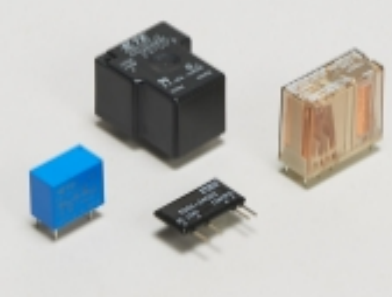


TE Part # 2-1419106-3  
27E891=SOCKET,KRPA,8,OCTAL,POL




TE Part # 7-1393099-7  
KA-5DG-12=KA/KB/KC/KR

## Also in the Series | Potter & Brumfield KRPA



Power Relays(45)



Relay Accessories, Sockets & Clips(5)



## Customers Also Bought



TE Part #8-1393211-4  
T92S11A22-120



TE Part #5102154-1  
A/L UNIV HDR 10P VERT



TE Part #1658621-4  
20 NOVO MIL/CTR 15DP, LEAD FREE



TE Part #881545-2  
SHUNT LP W/HANDLE 2 POS 30AU



TE Part #8-1393104-1  
KRPA-14DG-110=KRPA



TE Part #5-1437567-0  
MPG106F=(MSPG) SWITCH  
PUSHBUTT



TE Part #5-1393144-4  
K10P-11D15-110=K10/K20



TE Part #5520425-3  
MJ,TE,6P/6C,BULK PAC



TE Part #8-1393104-4  
KRPA-14DG-24=KRPA

## Documents

### CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1393105-3\\_D.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1393105-3\\_D.3d\\_igs.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1393105-3\\_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



## Product Specifications

### Definitions General Purpose Relays

English

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## Agency Approvals

### UL

English