

KRPA Series Panel Plug-in Relay

- **5** to 10A current capability
- Contact arrangements of 1, 2 and 3 form C (CO)
- Octal type termination for quick installation
- Indicator lamp available on certain models





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Rated coil

power

VA

Typical applications Baggage handling, lighting, inspection equipment, marine.

Approvals

UL E22575; CSA LR15734 Technical data of approved types on request.

Contact Data

| oontaot bata | | | | | |
|-------------------------------|---|---------------------|--|--|--|
| Contact arrangement | 1 form C (CO), 2 form C (CO), 3 form C (CO) | | | | |
| Rated voltage | 240VAC | | | | |
| Rated current | 1(| 10A | | | |
| Contact material | Ag | AgCdO | | | |
| Min. recommended contact load | 100mA, 12VDC | 300mA, 12VDC | | | |
| Frequency of operation | 360 ops./hour | 360 ops./hour | | | |
| | | | | | |
| Contact ratings | | | | | |
| Type Load | | Cycles | | | |
| UL 508 | | | | | |
| KRPA, Ag | | | | | |
| 5A, 120VAC | | 100x10 ³ | | | |
| 3A, 240VAC | | 100x10 ³ | | | |
| 1/10HP, 120VAC | | 1x10 ³ | | | |
| 1/6HP, 240VAC | | 1x10 ³ | | | |
| KRPA, AgCdO | | | | | |
| 10A, 240VAC | | 100x10 ³ | | | |
| 1/3HP, 120VAC | | 1x10 ³ | | | |
| 1/2HP, 240VAC | | 1x10 ³ | | | |
| KA, Ag | | | | | |
| 5A, 120VAC | | | | | |
| 3A, 240VAC | | | | | |
| 1/10HP, 120VAC | | | | | |
| 1/6HP, 240VAC | | | | | |
| KA, AgCdO | | | | | |
| 10A, 120VAC | | | | | |
| 6A, 240VAC | | | | | |
| 1/6HP, 120VAC | | | | | |
| 1/3HP, 240VAC | | | | | |
| Mechanical endurance | 10x10 |) ⁶ ops. | | | |

Coil Data

| Coil volta | ge range | | 6 to 220VDC | |
|------------|----------------|------------------|--------------------|----------------|
| | | | 6 to 240VAC | |
| Coil insul | ation system a | according UL | Class B | |
| Coil vers | sions, DC coi | I | | |
| Coil | Rated | Operate | Coil | Rated coil |
| code | voltage | voltage | resistance | power |
| | VDC | VDC | Ω±10% | W |
| 6 | 6 | 4.5 | 32 | 1.15 |
| 12 | 12 | 9.0 | 120 | 1.2 |
| 24 | 24 | 18.0 | 472 | 1.25 |
| 48 | 48 | 36.0 | 1800 | 1.3 |
| 110 | 110 | 82.5 | 10000 | 1.2 |
| _ | 220 | Use 110V relay v | vith 10KΩ, 5W resi | stor in series |

All figures are given for coil without preenergization, at ambient temperature +23°C.

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Coil Data (continued) Coil versions, AC coil Rated Operate Coil voltage resistance voltage <u>Ω±15%</u> VAC VAC

| 6 | 6 | 5.1 | 6 | 2.01 | |
|---|-----|-------|------|------|--|
| 12 | 12 | 10.2 | 24 | 2.02 | |
| 24 | 24 | 20.4 | 85 | 2.02 | |
| 120 | 120 | 102.0 | 2250 | 2.1 | |
| 240 | 240 | 204.0 | 9110 | 2.1 | |
| All figures are given for coil without preenergization, at ambient temperature +23°C. | | | | | |

Insulation Data

Coil

code

| moulation Bata | | |
|-------------------------------|--------------|--|
| Initial dielectric strength | | |
| between open contacts | 1000V | |
| between contact and coil | 1000V | |
| between adjacent contacts | 1000V | |
| Initial insulation resistance | 111162 | |
| between insulated elements | KRPA: 1000MΩ | |
| | KA: 100MΩ | |

Other Data

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at

| <u>www.te.com</u> | 1/customersupport/ronssupportcenter |
|-----------------------------------|--------------------------------------|
| Ambient temperature | |
| DC coil | KRPA: -45°C to 70°C |
| | KA: -45°C to 85°C |
| AC coil | KRPA: -45°C to 55°C |
| | KA: -45°C to 70°C |
| Category of environmental protect | tion |
| IEC 61810 | RTI - dust protected KRPA and |
| | RT0 - open style KA |
| Terminal type | KRPA: 8- or 11-pin octal-type plug |
| | KA: solder terminals |
| Weight | 85g |
| Packaging/unit | tray/25 pcs., box/150pcs. |
| | |
| Accessories | |
| For details see datasheet | Sockets and Accessories, KRPA Relays |
| | |
| Product Code Description | |

| FIDUUCI COUE | Description |
|--------------|---|
| 27E891 | Two pole DIN socket (use 20C318 clip) |
| 27E892 | Three pole DIN socket (use 20C318 clip) |
| 27E122 | Two pole track mount socket (use 20C318 clip) |
| 27E123 | Three pole track mount socket (use 20C318 clip) |

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Catalog product data, 'Definitions' section, application notes and all specifications are subject to change.

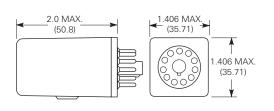
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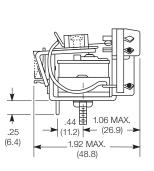
KRPA Series Panel Plug-in Relay (Continued)

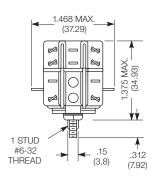
Dimensions

KRPA

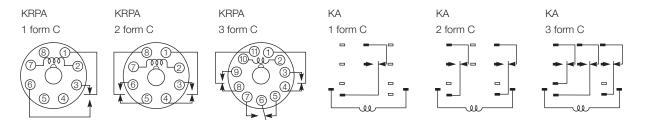


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Terminal assignment



| Product code structure | Typical product code | -5 | Α | Y | -120 |
|---|----------------------------|----|---|---|------|
| Туре | | | | | |
| KRPA Enclosed relay with octal-style plug | | | | | |
| KA Open style relay with solder terminals | | | | | |
| Contact arrangement and rating | | | | | |
| 5 1 form C (CO) | 11 2 form C (CO) | | | | |
| 14 3 form C (CO) | | | | | |
| Coil Input | | | - | | |
| A AC, 50/60Hz | D DC | | | | |
| Contact material and indicator lamp option | | | | | |
| Y Ag, no indicator lamp | G AgCdO, no indicator lamp | | | | |
| N AgCdO, with indicator (Code N only available) | e with relay type KRPA) | | | | |
| Options | | | | | |
| Leave blank no additional options | | | | | |
| F Au flashed contacts | P Push to test button | | | | |
| (Options F and P only available with relay ty | be KRPA) | | | | |
| Coil voltage | | | | | |
| Coil code: please refer to coil versions table | | | | | |

2

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KRPA Series Panel Plug-in Relay (Continued)

| Product Code | Arrangement | Contact Material | Coil | Option | Part Number |
|--------------------------------|----------------|------------------|----------------|------------|----------------------------|
| KA-5AG-120 | 1 form C, 1 CO | AgCdO | 120VAC | Open style | 7-1393099-1 |
| KA-5AY-120 | | Ag | | | 7-1393099-3 |
| KA-5DG-6 | | AgCdO | 6VDC | | 7-1393099-9 |
| (A-5DG-12 | | | 12VDC | | 7-1393099-7 |
| KA-5DG-110 | | | 110VDC | | 7-1393099-6 |
| KA-11AG-120 | 2 form C, 2 CO | | 120VAC | | 3-1393099-6 |
| KA-11AY-6 | | Ag | 6VAC | | 4-1393099-1 |
| KA-11AY-24 | | | 24VAC | | 4-1393099-0 |
| KA-11AY-120 | | | 120VAC | | 3-1393099-9 |
| KA-11DG-12 | | AgCdO | 12VDC | _ | 4-1393099-3 |
| A-11DG-24 | | | 24VDC | | 4-1393099-5 |
| A-11DG-110 | | _ | 110VDC | | 4-1393099-2 |
| KA-14AG-120 | 3 form C, 3 CO | | 120VAC | | 5-1393099-0 |
| KA-14AY-120 | | Ag | 241/20 | | 5-1393099-4 |
| (A-14DG-24 | | AgCdO | 24VDC | | 5-1393099-7 |
| (A-14DG-110 | | _ | 110VDC | | 5-1393099-5 |
| (RPA-5AG-24 | 1 form C, 1 CO | | 24VAC | None | 9-1393104-9 |
| (RPA-5AG-120 | | | 120VAC | | 9-1393104-8 |
| KRPA-5DG-6 | | | 6VDC | | 1393105-5 |
| (RPA-5DG-12 | | | 12VDC | | 1393105-3 |
| (RPA-5DG-24 | | A | 24VDC | | 1393105-4 |
| (RPA-5DY-12 | | Ag | 12VDC | _ | 1393105-6 |
| (RPA-5DY-24 | 0 form 0 0 00 | A~0d0 | 24VDC | | 1393105-7 |
| (RPA-11AG-6 | 2 form C, 2 CO | AgCdO | 6VAC 12VAC | | 2-1393104-8 |
| (RPA-11AG-12 | | | 24VAC | | 2-1393104-4 |
| (RPA-11AG-24 | | | 120VAC | | 1-1393105-2 |
| (RPA-11AG-120 (RPA-11AG-240 | | | 240VAC | | 2-1393104-5 |
| (RPA-11AG-240 (RPA-11AN-12 | | | 12VAC | Indicator | 2-1393104-7 |
| RPA-11AN-12 | | | 24VAC | Indicator | 3-1393104-1 3-1393104-3 |
| | | | 120VAC | | |
| (RPA-11AN-120 (RPA-11AN-240 | | | 240VAC | | 3-1393104-2 3-1393104-4 |
| (RPA-11AY-6 | | Δ <i>α</i> | 6VAC | None | 3-1393104-9 |
| | | Ag | | INOTIE | |
| (RPA-11AY-12 | | | 12VAC 24VAC | | 3-1393104-5 |
| (RPA-11AY-24 | | | 120VAC | | 3-1393104-7 |
| (RPA-11AY-120 (RPA-11AY-240 | | | 240VAC | | 3-1393104-6 |
| | | Aacdo | 6VDC | _ | 3-1393104-8 |
| (RPA-11DG-6 | | AgCdO | | | 4-1393104-7 |
| (RPA-11DG-12 | | | 12VDC 24VDC | | 4-1393104-3 |
| KRPA-11DG-24 KRPA-11DG-48 | | | 48VDC | _ | 4-1393104-5 4-1393104-6 |
| (RPA-11DG-40) | | | 110VDC | | 4-1393104-2 |
| (RPA-11DG-110 | | | 125VDC | _ | 4-1393104-2 |
| (RPA-11DG-125) | | | 24VDC | | 4-1393104-5 |
| (RPA-11DG-48 | | | 48VDC | _ | 4-1393104-6 |
| (RPA-11DN-12 | | | 12VDC | Indicator | 5-1393104-0 |
| (RPA-11DN-24 | | | 24VDC | Indicator | 5-1393104-1 |
| (RPA-11DN-110 | | | 110VDC | | 4-1393104-9 |
| (RPA-11DY-12 | | Ag | 12VDC | None | 5-1393104-6 |
| (RPA-11DY-24 | | , 'w | 24VDC | | 5-1393104-7 |
| (RPA-14AG-12 | 3 form C. 3 CO | AqCdO | 12VAC | | 6-1393104-4 |
| (RPA-14AG-12) | 0.000 | | 24VAC | | 6-1393104-7 |
| (RPA-14AG-120 | | | 120VAC | | 6-1393104-5 |
| (RPA-14AG-240 | | | 240VAC | | 6-1393104-8 |
| (RPA-14AN-24 | | | 240VAC | Indicator | 7-1393104-4 |
| (RPA-14AN-120 | | | 120VAC | | 7-1393104-3 |
| (RPA-14AN-240 | | | 240VAC | | 7-1393104-5 |
| (RPA-14AY-24 | | Ag | 24VAC | None | 7-1393104-8 |
| (RPA-14AY-120 | | | 120VAC | | 7-1393104-7 |
| RPA-14AY-240 | | | 240VAC | | 7-1393104-9 |
| (RPA-14DG-12 | | AgCdO | 12VDC | | 8-1393104-2 |
| (RPA-14DG-24 | | | 24VDC | - | 8-1393104-4 |
| (RPA-14DG-48 | | | 48VDC | | 8-1393104-5 |
| (RPA-14DG-110 | | | 110VDC | | 8-1393104-1 |
| (RPA-14DG-125 | | | 125VDC | | 8-1393104-3 |
| (RPA-14DN-24 | | | 24VDC | Indicator | 9-1393104-0 |
| KRPA-14DY-24 | | Ag | | None | 9-1393104-3 |

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3

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