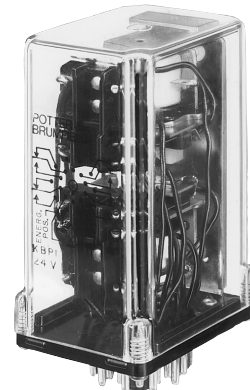


**KBP Series Panel Relay**

- Dual coil latching relay accepts a momentary impulse to one coil to latch and a second impulse to the other coil to release
- Clear polycarbonate dust cover with 11- or 20-pin plug
- 11- or 20-pin octal-style plug connector
- AC and DC coils
- Two, four, and five pole Form C (CO) contact arrangements



Typical applications  
Elevator controls

**Approvals**

UL E29244

Technical data of approved types on request

| Contact Data                  | 2 pole        | 4 pole        | 5 pole        |
|-------------------------------|---------------|---------------|---------------|
| Contact arrangement           | 2 form C (CO) | 4 form C (CO) | 5 form C (CO) |
| Rated voltage                 | 120VAC        |               |               |
| Rated current                 | 10A           |               |               |
| Contact material              | Ag, AgCdO     |               |               |
| Min. recommended contact load |               |               |               |
| Ag contacts                   | 100mA, 12VDC  |               |               |
| AgCdO contacts                | 300mA, 12VDC  |               |               |
| Initial contact resistance    |               |               |               |
| Ag contacts                   | 100mΩ         |               |               |
| AgCdO contacts                | 200mΩ         |               |               |
| Frequency of operation        | 360 ops./hour |               |               |

**Contact ratings**

| Type                 | Load                     | Cycles             |
|----------------------|--------------------------|--------------------|
| <b>UL 508</b>        |                          |                    |
| Ag                   | 5A, 120VAC               | 50x10 <sup>3</sup> |
| AgCdO                | 10A, 120VAC              | 50x10 <sup>3</sup> |
| Mechanical endurance | 500x10 <sup>3</sup> ops. |                    |

**Coil Data**

Coil voltage range 12 to 220VDC  
6 to 240VAC

**Coil versions, DC coil**

| Coil code | Rated voltage VDC | Operate voltage VDC | Coil resistance Ω±10%                            | Rated coil power W |
|-----------|-------------------|---------------------|--|--------------------|
| 12        | 12                | 9                   | 52   | 2.8                |
| 24        | 24                | 18                  | 230  | 2.5                |
| 48        | 48                | 36                  | 850  | 2.71               |
| 110       | 110               | 82.5                | 4560   | 2.65               |
| -         | 220               | 165                 | Use 110VDC relay with 5KΩ, 5W resistor in series |                    |

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

**Coil Data (continued)**

**Coil versions, AC coil**

| Coil code           | Rated voltage VAC | Operate voltage VAC | Coil resistance Ω±15% | Rated coil power VA |
|---------------------|-------------------|---------------------|-----------------------|---------------------|
| 2 and 4 pole models |                   |                     |                       |                     |
| 24                  | 24                | 20.004              | 42                    | 5.05                |
| 120                 | 120               | 102                 | 1030                  | 5.3                 |
| 240                 | 240               | 204                 | 4100                  | 5.3                 |
| 5 pole models       |                   |                     |                       |                     |
| 24                  | 24                | 20.4                | 27                    | 7.8                 |
| 120                 | 120               | 102                 | 700                   | 8.2                 |

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

**Insulation Data**

|                               |                      |  |
|-------------------------------|----------------------|--|
| Initial dielectric strength   |                      |  |
| between open contacts         | 500V <sub>rms</sub>  |  |
| between contact and coil      | 1000V <sub>rms</sub> |  |
| between adjacent contacts     | 1000V <sub>rms</sub> |  |
| Initial insulation resistance |                      |  |
| between insulated elements    | 100MΩ                |  |

**Other Data**

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at [www.te.com/customer-support/rohssupportcenter](http://www.te.com/customer-support/rohssupportcenter)

|                                      |   |
|--------------------------------------|---|
| Ambient temperature                  | -45°C to 85°C                             |
| Category of environmental protection | IEC 61810                                 |
|                                      | RTI - dust protected and RT0 - open style |
| Terminal type                        | 11- or 20-pin octal-style plug            |
| Weight                               | 306g                                      |
| Packaging/unit                       | tray/25 pcs., box/60pcs.                  |

**Accessories**

For details see datasheet      Sockets and Accessories, KBP Relays

| Product Code | Description                     |
|--------------|---------------------------------|
| 27E892       | DIN 11 pin octal socket         |
| 27E123       | Track mount 11 pin octal socket |
| 27E928       | 17 and 20 pin octal socket      |



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