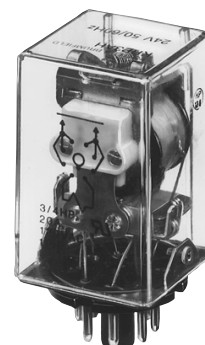


KRP-3_H Series Panel Plug-in Relay

- 20 amp capability
- Contact arrangement of 1 Form X (SPST - NO-DM)
- Heavy copper alloy movable contact arms
- Twin silver-cadmium oxide contacts

Typical applications
Automation controls, high current switching



Approvals

UL E22575

Technical data of approved types on request

Contact Data

| | |
|-------------------------------|------------------|
| Contact arrangement | 1 form X (NO-DM) |
| Rated voltage | 120VAC |
| Rated current | 20A |
| Contact material | AgCdO |
| Min. recommended contact load | 300mA, 12VDC |
| Initial contact resistance | 200mΩ |
| Frequency of operation | 360 ops./hour |
| Operate/release time max. | 15/10ms |

Contacts ratings

| Type | Load | Cycles |
|------|------|--------|
|------|------|--------|

UL 508

| | | |
|----------------------|--------------------------|--|
| 1 pole, AgCdO | | |
| 20A, 120VAC | | |
| 3/4HP, 120VAC | | |
| Mechanical endurance | 2.5x10 ⁶ ops. | |

Coil Data

| | |
|--------------------|----------------------------|
| Coil voltage range | 6 to 110VDC 6 to 240VAC |
|--------------------|----------------------------|

Coil versions, DC coil

| Coil code | Rated voltage VDC | Operate voltage VDC | Coil resistance Ω±10% | Rated coil power 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 |

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

Coil versions, AC coil

| Coil code | Rated voltage VAC | Operate voltage VAC | Coil resistance Ω±15% | Rated coil power VA |
|-----------|-------------------|---------------------|-----------------------|---------------------|
| 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

| | |
|-------------------------------|---------------------|
| Initial dielectric strength | |
| between open contacts | 500V _{rms} |
| between contact and coil | 500V _{rms} |
| between adjacent contacts | 500V _{rms} |
| Initial insulation resistance | |
| between insulated elements | 100MΩ at 500VDC |

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

| | |
|--------------------------------------|---------------------------|
| Ambient temperature | |
| DC coil | -45°C to 70°C |
| AC coil | -45°C to 55°C |
| Category of environmental protection | |
| IEC 61810 | RT1 - dust protected |
| Terminal type | Octal plug |
| Weight | 57g |
| Packaging/unit | tray/25 pcs., box/150pcs. |

Accessories

For details see datasheet Sockets and Accessories, KRP Relays

| Product Code | Description |
|--------------|--------------------------------------|
| 27E891 | DIN socket (use 20C203 clip) |
| 27E122 | Track mount socket (use 20C203 clip) |

