

**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 |
| <b>UL 508</b>        |                          |        |
| 1 pole, AgCdO        |                          |        |
|                      | 20A, 120VAC              |        |
|                      | 3/4HP, 120VAC            |        |
| Mechanical endurance | 2.5x10 <sup>6</sup> ops. |        |

| Coil Data          |                            |
|--------------------|----------------------------|
| Coil voltage range | 6 to 110VDC<br>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 <sub>rms</sub> |
| between contact and coil      | 500V <sub>rms</sub> |
| between adjacent contacts     | 500V <sub>rms</sub> |
| 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 <a href="http://www.te.com/customer-support/rohssupportcenter">www.te.com/customer-support/rohssupportcenter</a> |                           |
| 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) |

