

R10 Series Relay

- 1 through 8 form C (CO) contact arrangement
- Broad range of coil options provides sensitivity ranging from 25 to 750mW
- Various contacts switch from dry circuit to 7.5 amps
- Many mounting and termination options

Typical applications

Coin changers, audio equipment, elevators, traffic controls, ultrasonic test equipment, parking toll readers.



Approvals

UL E29244; CSA LR15734

Technical data of approved types on request.

Contact Data

| | |
|--|----------------------------------|
| Contact arrangement | 1, 2, 3, 4, 6 and 8 form C (CO) |
| Rated voltage | 120VAC |
| Rated current | 7.5A |
| Contact material | Ag, AgCdO, Au overlay Ag, AuPtAg |
| Contact style | Single or bifurcated crossbar |
| Min. recommended contact load | |
| W type, AgCdO, single contact | 300mA, 12VDC |
| X type, AgCdO, single contact | 300mA, 12VDC |
| M type, AgCdO, bifurcated contact | 300mA, 12VDC |
| Y type, Ag, single contact | 100mA, 12VDC |
| Z type, Ag, bifurcated crossbar | 1mA, 12VDC |
| P type, Au overlay Ag, bifurcated crossbar | dry circuit |
| L type, AuPtAg, bifurcated crossbar | dry circuit |
| Initial contact resistance | |
| All AgCdO contact types | 100mΩ |
| All other contact materials and types | 50mΩ |
| Frequency of operation | 360 ops./hr |

Contact ratings

| Type | Load | Cycles |
|---|-------------------------------|---------------------|
| UL 508 | | |
| W type, AgCdO, single contact | | |
| | 7.5A, 120VAC, resistive | |
| | 7.5A, 28VDC, resistive | |
| | 1/8HP, 120VAC, same polarity | |
| | 1/6HP, 240VAC, same polarity | |
| X type, AgCdO, single contact | | |
| | 2A, 30VDC, resistive | 100x10 ³ |
| | 5A, 120VAC, resistive | 6x10 ³ |
| | 5A, 30VDC, resistive | 100x10 ³ |
| | 1/20HP, 120VAC, same polarity | |
| | 1/10HP, 240VAC, same polarity | |
| M type, AgCdO, bifurcated contact | | |
| | 5A, 120VAC, resistive | 6x10 ³ |
| | 5A, 28VDC, resistive | 6x10 ³ |
| Y type, Ag, single contact | | |
| | 2A, 120VAC | 6x10 ³ |
| | 2A, 28VDC | 6x10 ³ |
| | 250VA, 250VAC | 30x10 ³ |
| | 125VA, 125VAC | 100x10 ³ |
| Z type, Ag, bifurcated crossbar contact | | |
| | 3A, 120VAC | 6x10 ³ |
| | 3A, 28VDC | 6x10 ³ |
| | 2A, 30VDC | 100x10 ³ |

Contact ratings (continued)

| Type | Load | Cycles |
|--|--|---------------------|
| UL 508 | | |
| P type, Au overlay Ag, bifurcated crossbar contact | | |
| | 2A, 120VAC, resistive | 100x10 ³ |
| | 3 A, 120 VAC, resistive | 6x10 ³ |
| | 3 A, 30 VDC, resistive | 100x10 ³ |
| L type, AuPtAg, bifurcated crossbar contact | | |
| | 500mA, 28VDC, resistive | 6x10 ³ |
| Mechanical endurance | 10x10 ⁶ ops., except W type is 1x10 ⁶ ops. | |

Coil Data

| | |
|--------------------|---|
| Coil voltage range | 3 to 115VDC 4.5mA to 20mA 6 to 115VAC |
|--------------------|---|

Coil versions, DC coil

| Coil code | Rated voltage VDC | Operate voltage VDC | Coil resistance Ω±10% | Rated coil power mW |
|------------------------------------|-------------------|---------------------|-----------------------|---------------------|
| V - standard DC voltage adjustment | | | | |
| 1, 2 and 4 pole | | | | |
| V10 | 3 | 2.25 | 10 | 900 |
| V28 | 5 | 3.75 | 28 | 900 |
| V52 | 6 | 4.5 | 52 | 900 |
| V185 | 12 | 9 | 185 | 900 |
| V700 | 24 | 18 | 700 | 900 |
| V2.5K | 48 | 36 | 2500 | 900 |
| V5.8K | 72 | 54 | 5800 | 900 |
| V15.0K | 115 | 86 | 15000 | 900 |
| 6 pole | | | | |
| V6 | 3 | 2.25 | 6 | 1,500 |
| V16 | 5 | 3.75 | 16 | 1,600 |
| V25 | 6 | 4.5 | 25 | 1,500 |
| V90 | 12 | 9 | 90 | 1,600 |
| V430 | 24 | 18 | 430 | 1,400 |
| V1.5K | 48 | 36 | 1500 | 1,600 |
| V3.5K | 72 | 54 | 3500 | 1,500 |
| V9.0K | 115 | 86 | 9000 | 1,500 |
| 8 pole | | | | |
| V5 | 3 | 2.25 | 5 | 1,800 |
| V14 | 5 | 3.75 | 14 | 1,800 |
| V20 | 6 | 4.5 | 20 | 1,800 |
| V72 | 12 | 9 | 72 | 2,000 |
| V350 | 24 | 18 | 350 | 1,700 |
| V1.25K | 48 | 36 | 1250 | 1,900 |
| V2.8K | 72 | 54 | 2800 | 1,900 |
| V8.0K | 115 | 86 | 8000 | 1,700 |

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

R10 Series Relay (Continued)

Coil versions, DC coil (continued)

| Coil code | Rated voltage VDC | Operate voltage VDC | Coil resistance $\Omega \pm 10\%$ | Rated coil power mW |
|---|-------------------|---------------------|-----------------------------------|---------------------|
| Q - special DC voltage adjustment | | | | |
| 1 and 2 pole | | | | |
| Q52 | 5 | 3.1 | 52 | 500 |
| Q110 | 6 | 4.5 | 110 | 350 |
| Q450 | 12 | 9.2 | 450 | 350 |
| Q1.8K | 24 | 17.4 | 1,800 | 350 |
| Q7.5K | 48 | 36.2 | 7500 | 310 |
| Q15.0K | 72 | 49.5 | 15000 | 350 |
| Q30.0K | 115 | 67.5 | 30000 | 450 |
| 3 and 4 pole | | | | |
| Q32 | 5 | 3.8 | 32 | 800 |
| Q52 | 6 | 4.2 | 52 | 700 |
| Q185 | 12 | 8.4 | 185 | 800 |
| Q1.0K | 24 | 17.2 | 1000 | 600 |
| Q3.2K | 48 | 31.1 | 3200 | 750 |
| Q7.5K | 72 | 49.3 | 7500 | 700 |
| Q15.0K | 115 | 67.5 | 15000 | 900 |
| S - sensitive DC voltage adjustment | | | | |
| 1 and 2 pole | | | | |
| S50 | 3 | 2.25 | 50 | 180 |
| S140 | 5 | 3.75 | 140 | 180 |
| S200 | 6 | 4.5 | 200 | 180 |
| S800 | 12 | 9 | 800 | 180 |
| S3.2K | 24 | 18 | 3200 | 180 |
| S13.0K | 48 | 36 | 13000 | 180 |
| S28.0K | 72 | 54 | 28000 | 190 |
| S50.0K | 115 | 86 | 50000 | 270 |
| 3 and 4 pole | | | | |
| S30 | 3 | 2.25 | 30 | 300 |
| S80 | 5 | 3.75 | 80 | 350 |
| S110 | 6 | 4.5 | 110 | 350 |
| S450 | 12 | 9 | 450 | 350 |
| S1.8K | 24 | 18 | 1800 | 350 |
| S7.5K | 48 | 36 | 7500 | 300 |
| S16.0K | 72 | 54 | 16000 | 350 |
| S40.0K | 115 | 86 | 40000 | 350 |
| 6 pole | | | | |
| S20 | 3 | 2.25 | 20 | 500 |
| S56 | 5 | 3.75 | 56 | 500 |
| S80 | 6 | 4.5 | 80 | 500 |
| S320 | 12 | 9 | 320 | 500 |
| S1.2K | 24 | 18 | 1200 | 500 |
| S5.2K | 48 | 36 | 5200 | 500 |
| S13.0K | 72 | 54 | 13000 | 400 |
| S30.0K | 115 | 86 | 30000 | 500 |
| 8 pole | | | | |
| S12 | 3 | 2.25 | 12 | 750 |
| S35 | 5 | 3.75 | 35 | 750 |
| S52 | 6 | 4.5 | 52 | 700 |
| S200 | 12 | 9 | 200 | 750 |
| S800 | 24 | 18 | 800 | 750 |
| S3.2K | 48 | 36 | 3200 | 750 |
| S7.5K | 72 | 54 | 7500 | 700 |
| S16.0K | 115 | 86 | 16000 | 850 |
| SS - ultra sensitive DC voltage adjustment | | | | |
| 1 pole | | | | |
| SS220 | 3 | 2.25 | 220 | 45 |
| SS700 | 5 | 3.75 | 700 | 40 |
| SS1.0K | 6 | 4.5 | 1000 | 40 |
| SS4.0K | 12 | 9 | 4000 | 40 |
| SS9.0K | 18 | 13.5 | 9000 | 40 |
| SS15.0K | 24 | 18 | 15000 | 40 |
| SS30.0K | 36 | 27 | 30000 | 45 |

Coil versions, DC coil (continued)

| Coil code | Rated voltage VDC | Operate voltage VDC | Coil resistance $\Omega \pm 10\%$ | Rated coil power mW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------|----------------------|-----------------------------------|-----------------------|-----------|---------------------------|----------------------|-----------------------------------|-----------------------|--|--|--|--|--|--------|--|--|--|--|-------|----|-----|------|----|-------|----|-----|------|----|-------|----|-----|------|----|--------|----|-----|-------|-----|--------|------|-----|-------|-----|--------|-----|-----|-------|----|---------------|--|--|--|--|-------|----|----|------|-----|-------|----|-----|------|-----|-------|----|-----|------|-----|--------|----|-----|-------|-----|--------|------|-----|-------|-----|--------|-----|-----|-------|-----|--------|--|--|--|--|-------|----|----|------|-----|-------|----|----|------|-----|-------|----|-----|------|-----|--------|----|---|-------|-----|--------|------|-----|-------|-----|--------|-----|-----|-------|-----|--------|--|--|--|--|-------|----|----|------|-----|-------|----|----|------|-----|-------|----|---|------|-----|--------|----|-----|-------|-----|--------|------|-----|-------|-----|--------|-----|-----|-------|-----|
| S - sensitive DC voltage adjustment (continued) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS110 | 3 | 2.25 | 110 | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS350 | 5 | 3.75 | 350 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS500 | 6 | 4.5 | 500 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS2.0K | 12 | 9 | 2000 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS4.5K | 18 | 13.5 | 4500 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS7.5K | 24 | 18 | 7500 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS15.0K | 36 | 27 | 15000 | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS30.0K | 48 | 36 | 30000 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 and 4 pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS52 | 3 | 2.25 | 52 | 175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS175 | 5 | 3.75 | 175 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS250 | 6 | 4.5 | 250 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS1.0K | 12 | 9 | 1000 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS2.2K | 18 | 13.5 | 2200 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS3.7K | 24 | 18 | 3700 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS7.5K | 36 | 27 | 7500 | 175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SS15.0K | 48 | 36 | 15000 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Coil code</th> <th>Maximum coil current mADC</th> <th>Operate current mADC</th> <th>Coil resistance $\Omega \pm 10\%$</th> <th>Pick-up coil power mW</th> </tr> </thead> <tbody> <tr> <td colspan="5">J - sensitive DC current adjustment</td> </tr> <tr> <td colspan="5">2 pole</td> </tr> <tr> <td>J1.0K</td> <td>45</td> <td>8.5</td> <td>1000</td> <td>75</td> </tr> <tr> <td>J2.5K</td> <td>28</td> <td>5.8</td> <td>2500</td> <td>85</td> </tr> <tr> <td>J5.0K</td> <td>20</td> <td>4.1</td> <td>5000</td> <td>85</td> </tr> <tr> <td>J10.0K</td> <td>14</td> <td>3.1</td> <td>10000</td> <td>100</td> </tr> <tr> <td>J15.0K</td> <td>11.5</td> <td>2.6</td> <td>15000</td> <td>100</td> </tr> <tr> <td>J30.0K</td> <td>8.3</td> <td>1.7</td> <td>30000</td> <td>85</td> </tr> <tr> <td colspan="5">3 and 4 poles</td> </tr> <tr> <td>J1.0K</td> <td>45</td> <td>13</td> <td>1000</td> <td>175</td> </tr> <tr> <td>J2.5K</td> <td>28</td> <td>8.4</td> <td>2500</td> <td>175</td> </tr> <tr> <td>J5.0K</td> <td>20</td> <td>6.2</td> <td>5000</td> <td>200</td> </tr> <tr> <td>J10.0K</td> <td>14</td> <td>4.5</td> <td>10000</td> <td>200</td> </tr> <tr> <td>J15.0K</td> <td>11.5</td> <td>3.5</td> <td>15000</td> <td>200</td> </tr> <tr> <td>J30.0K</td> <td>8.3</td> <td>2.5</td> <td>30000</td> <td>200</td> </tr> <tr> <td colspan="5">6 pole</td> </tr> <tr> <td>J1.0K</td> <td>45</td> <td>16</td> <td>1000</td> <td>250</td> </tr> <tr> <td>J2.5K</td> <td>28</td> <td>10</td> <td>2500</td> <td>250</td> </tr> <tr> <td>J5.0K</td> <td>20</td> <td>7.2</td> <td>5000</td> <td>250</td> </tr> <tr> <td>J10.0K</td> <td>14</td> <td>5</td> <td>10000</td> <td>250</td> </tr> <tr> <td>J15.0K</td> <td>11.5</td> <td>4.2</td> <td>15000</td> <td>270</td> </tr> <tr> <td>J30.0K</td> <td>8.3</td> <td>2.9</td> <td>30000</td> <td>250</td> </tr> <tr> <td colspan="5">8 pole</td> </tr> <tr> <td>J1.0K</td> <td>45</td> <td>20</td> <td>1000</td> <td>250</td> </tr> <tr> <td>J2.5K</td> <td>28</td> <td>13</td> <td>2500</td> <td>250</td> </tr> <tr> <td>J5.0K</td> <td>20</td> <td>9</td> <td>5000</td> <td>250</td> </tr> <tr> <td>J10.0K</td> <td>14</td> <td>6.4</td> <td>10000</td> <td>250</td> </tr> <tr> <td>J15.0K</td> <td>11.5</td> <td>5.3</td> <td>15000</td> <td>270</td> </tr> <tr> <td>J30.0K</td> <td>8.3</td> <td>3.7</td> <td>30000</td> <td>250</td> </tr> </tbody> </table> | | | | | Coil code | Maximum coil current mADC | Operate current mADC | Coil resistance $\Omega \pm 10\%$ | Pick-up coil power mW | J - sensitive DC current adjustment | | | | | 2 pole | | | | | J1.0K | 45 | 8.5 | 1000 | 75 | J2.5K | 28 | 5.8 | 2500 | 85 | J5.0K | 20 | 4.1 | 5000 | 85 | J10.0K | 14 | 3.1 | 10000 | 100 | J15.0K | 11.5 | 2.6 | 15000 | 100 | J30.0K | 8.3 | 1.7 | 30000 | 85 | 3 and 4 poles | | | | | J1.0K | 45 | 13 | 1000 | 175 | J2.5K | 28 | 8.4 | 2500 | 175 | J5.0K | 20 | 6.2 | 5000 | 200 | J10.0K | 14 | 4.5 | 10000 | 200 | J15.0K | 11.5 | 3.5 | 15000 | 200 | J30.0K | 8.3 | 2.5 | 30000 | 200 | 6 pole | | | | | J1.0K | 45 | 16 | 1000 | 250 | J2.5K | 28 | 10 | 2500 | 250 | J5.0K | 20 | 7.2 | 5000 | 250 | J10.0K | 14 | 5 | 10000 | 250 | J15.0K | 11.5 | 4.2 | 15000 | 270 | J30.0K | 8.3 | 2.9 | 30000 | 250 | 8 pole | | | | | J1.0K | 45 | 20 | 1000 | 250 | J2.5K | 28 | 13 | 2500 | 250 | J5.0K | 20 | 9 | 5000 | 250 | J10.0K | 14 | 6.4 | 10000 | 250 | J15.0K | 11.5 | 5.3 | 15000 | 270 | J30.0K | 8.3 | 3.7 | 30000 | 250 |
| Coil code | Maximum coil current mADC | Operate current mADC | Coil resistance $\Omega \pm 10\%$ | Pick-up coil power mW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J - sensitive DC current adjustment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J1.0K | 45 | 8.5 | 1000 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2.5K | 28 | 5.8 | 2500 | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J5.0K | 20 | 4.1 | 5000 | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J10.0K | 14 | 3.1 | 10000 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J15.0K | 11.5 | 2.6 | 15000 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J30.0K | 8.3 | 1.7 | 30000 | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 and 4 poles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J1.0K | 45 | 13 | 1000 | 175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2.5K | 28 | 8.4 | 2500 | 175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J5.0K | 20 | 6.2 | 5000 | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J10.0K | 14 | 4.5 | 10000 | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J15.0K | 11.5 | 3.5 | 15000 | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J30.0K | 8.3 | 2.5 | 30000 | 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J1.0K | 45 | 16 | 1000 | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2.5K | 28 | 10 | 2500 | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J5.0K | 20 | 7.2 | 5000 | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J10.0K | 14 | 5 | 10000 | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J15.0K | 11.5 | 4.2 | 15000 | 270 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J30.0K | 8.3 | 2.9 | 30000 | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J1.0K | 45 | 20 | 1000 | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2.5K | 28 | 13 | 2500 | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J5.0K | 20 | 9 | 5000 | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J10.0K | 14 | 6.4 | 10000 | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J15.0K | 11.5 | 5.3 | 15000 | 270 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J30.0K | 8.3 | 3.7 | 30000 | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J - sensitive DC current adjustment - R10S types only | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 pole | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J500 ⁽¹⁾ | – | 4.5 | 500 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J1.0K ⁽¹⁾ | – | 3.2 | 1000 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J2.5K | – | 2 | 2500 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J5.0K ⁽²⁾ | – | 1.4 | 5000 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J10.0K | – | 1 | 10000 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J16.0K | – | 0.8 | 16000 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J30.0K ⁽³⁾ | – | 0.6 | 30000 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

R10 Series Relay (Continued)

Coil versions, DC coil (continued)

| Coil code | Maximum coil current mADC | Operate current mADC | Coil resistance $\Omega \pm 10\%$ | Pick-up coil power mW |
|---|---------------------------|----------------------|-----------------------------------|-----------------------|
| J - sensitive DC current adjustment – R10S types only | | | | |
| 2 pole | | | | |
| J500 ¹⁾ | – | 6.3 | 500 | 20 |
| J1.0K | – | 4.5 | 1000 | 20 |
| J2.5K ²⁾ | – | 2.9 | 2500 | 25 |
| J5.0K | – | 2 | 5000 | 20 |
| J10.0K ³⁾ | – | 1.4 | 10000 | 20 |
| J16.0K | – | 1.2 | 16000 | 25 |
| J30.0K | – | 0.8 | 30000 | 20 |
| 4 pole | | | | |
| J500 | – | 9 | 500 | 45 |
| J1.0K | – | 6.5 | 1000 | 45 |
| J2.5K ²⁾ | – | 4.1 | 2500 | 45 |
| J5.0K ³⁾ | – | 2.9 | 5000 | 45 |
| J10.0K | – | 2 | 10000 | 40 |
| J16.0K | – | 1.4 | 16000 | 35 |
| J30.0K | – | 1.2 | 30000 | 45 |

- 1) Suggested for 5VDC operation
- 2) Suggested for 12VDC operation
- 3) Suggested for 24VDC operation

JJ - ultrasensitive DC current adjustment

| | | | | |
|---------|------|------|-------|----|
| 1 pole | | | | |
| JJ1.0K | 45 | 4.5 | 1000 | 20 |
| JJ2.5K | 28 | 2.9 | 2500 | 25 |
| JJ5.0K | 20 | 2.1 | 5000 | 25 |
| JJ10.0K | 14 | 1.5 | 10000 | 25 |
| JJ15.0K | 11.5 | 1.2 | 15000 | 25 |
| JJ30.0K | 8.3 | 0.85 | 30000 | 25 |
| 2 pole | | | | |
| JJ1.0K | 45 | 6.5 | 1000 | 45 |
| JJ2.5K | 28 | 4.1 | 2500 | 45 |
| JJ5.0K | 20 | 2.9 | 5000 | 45 |
| JJ10.0K | 14 | 2 | 10000 | 40 |
| JJ15.0K | 11.5 | 1.7 | 15000 | 45 |
| JJ30.0K | 8.3 | 1.2 | 30000 | 45 |
| 4 pole | | | | |
| JJ1.0K | 45 | 9 | 1000 | 85 |
| JJ2.5K | 28 | 5.8 | 2500 | 85 |
| JJ5.0K | 20 | 4.1 | 5000 | 85 |
| JJ10.0K | 14 | 3 | 10000 | 90 |
| JJ15.0K | 11.5 | 2.4 | 15000 | 85 |
| JJ30.0K | 8.3 | 1.7 | 30000 | 90 |

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

Coil versions, AC coil (dual coil diode rectified construction)

| Coil code | Rated voltage VAC | Operate voltage VAC | Coil resistance $\Omega \pm 20\%$ |
|--------------|-------------------|---------------------|-----------------------------------|
| Standard AC | | | |
| 2 and 4 pole | | | |
| 6V | 6 | 5 | 25 |
| 12V | 12 | 9 | 120 |
| 24V | 24 | 18 | 500 |
| 48V | 48 | 36 | 2000 |
| 115V | 115 | 86 | 9000 |
| 6 and 8 pole | | | |
| 6V | 6 | 5 | 15 |
| 12V | 12 | 9 | 90 |
| 24V | 24 | 18 | 350 |
| 48V | 48 | 36 | 1400 |
| 115V | 115 | 86 | 7500 |

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

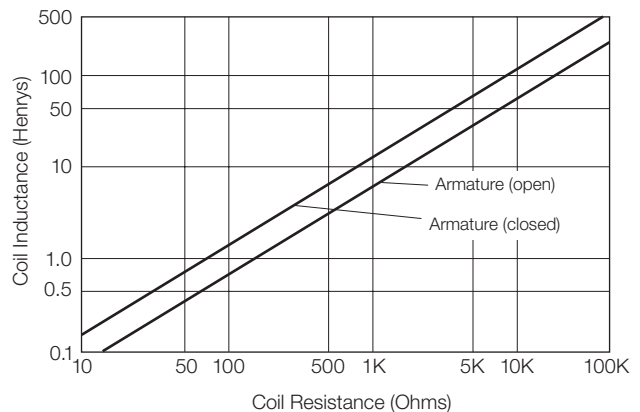
Operative Range
R10 Relays (DC Only) Typical Ranges of Operations @ 25°C



R10 Ultra-Sensitive "SS" and "JJ" Typical Ranges of Operation @ 25°C



Typical Coil Inductance



R10 Series Relay (Continued)

Insulation Data

| | |
|-------------------------------|----------------------|
| Initial dielectric strength | |
| between open contacts | 500V _{rms} |
| between contact and coil | 1000V _{rms} |
| between adjacent contacts | 1000V _{rms} |
| Initial insulation resistance | |
| between insulated elements | 10GΩ, 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 | -55°C to 75°C |
| Category of environmental protection | |
| IEC 61810 | RTI - dust protected and RTIII - wash tight |

Other Data (continued)

| | |
|----------------|---|
| Terminal type | Solder/plug-in terminals, PCB-THT, 8- or 11-PIN octal type plug |
| Weight | 23 to 40g |
| Packaging/unit | tray/50 pcs., box/350pcs. |

Accessories

For details see datasheet Sockets and Accessories, R10 Relays

Product Code Description
Many versions of sockets and clips available.

NOTE: Relays with contact current <50mA are not recommended for use in sockets.

Dimensions



Terminal dimensions

Solder terminal dimensions



Printed circuit terminal dimensions



| | A | B | C | D | Arrang. |
|-----------|------|------|------|-------|-----------|
| Type 2 | .131 | .050 | .064 | 1.251 | Inline |
| Type 7 | .131 | .040 | .013 | 1.20 | Inline |
| Type 9 | .170 | .040 | .000 | 1.187 | Staggered |
| Thickness | .012 | .012 | .012 | .013 | — |

Terminal assignment



R10 - AC Coil Diagram



R10 Series Relay (Continued)

PCB layout

Bottom view on solder pins

Terminal Types E2 & R2
(Omit unnecessary holes)



Terminal Types E9 & R9
(Omit unnecessary holes)



Suggested panel cutout for relay



Mounting hole layout for terminal & mounting style 6



Product code structure

Typical product code

R10 -E 1 Y 4 -V700

Type

- R10** Cradle-style relay with form C contacts
- R10S** Super sensitive cradle-style relay with form C contacts

Case style

- E** Non-sealed polycarbonate dust cover (RTI)
- R** Wash-tight (RTIII), tape sealed plastic case ¹⁾
- T** Octal style base on non-sealed polycarbonate dust cover (terminal types 1 & 2 only; 1, 2 & 3 poles only)
¹⁾ R10 type only, terminal code 2 or 9 only, no ground or stud

Terminal and mounting

- 1** Solder/Plug-in terminals with #3-48 mounting stud on R10-E; 8-pin octal type on R10-T
- 2** PCB terminals (std.) 1.62mm (.064in) clearance, 31.75mm (1.25in) seated ht.; 11-pin octal type on R10-T
- 6** Side mounting plate with #6-32 stud, solder/plug-in terminals (#3-48 stud not included)
- 7** Narrow 1.02mm (.04in) PCB terminals, .33mm (.013in) clearance, 30.48mm (1.2in) seated ht.
- 9** Non-shouldered, narrow 1.02mm (.04in) PCB terminals in staggered arrangement ²⁾
²⁾ Available only on 1 through 6 pole models

Contact style and rating ³⁾

- W** Single contact rated 7.5A max, 300mA min. ^{4) 5)}
- X** Single contact rated 5A max, 300mA min. ^{5) 6)}
- M** Bifurcated contact rated 5A max, 300 mA min. ^{5) 6)}
- Y** Single contact rated 2A typ, 3A max, 100mA min.
- Z** Bifurcated low level contacts rated 100mA typ, 2A max, 1mA min.
- P** Bifurcated crossbar dry circuit contacts rated 1mA typ, 3A max, dry circuit min.
- L** Bifurcated crossbar dry circuit contacts rated 500 microA typ, 250 mA max, dry circuit min.
³⁾ Ratings are at 28VDCV or 115VAC. Total load must not exceed 30A per relay.
⁴⁾ Use ungrounded frame for AC load of ≥5A. Max ratings are 7.5A at 115VAC and 4A at 28VDC for coil codes S & J
⁵⁾ Only available on R10 type, only available with coil adjustment code V, Q, S and J.
⁶⁾ Use ungrounded frame for AC load of ≥5A. Max ratings are 5A at 115VAC and 3A at 28VDC for coil codes S & J

Number of poles

- 1** 1 pole
 - 2** 2 pole
 - 3** 3 pole
 - 4** 4 pole (not available on R10-T)
 - 6** 6 pole (not available on R10-T) ⁷⁾
 - 8** 8 pole (not available on R10-T) ⁸⁾
- ⁷⁾ Not available with contact code W
⁸⁾ Only available with case style E, not available with contact code W

Coil voltage

Coil code: please refer to coil versions table

AC voltage Specify coil code consisting of nominal coil voltage followed by W (example: 24V)

DC voltage Specify coil code consisting of coil adjustment code letter followed by coil resistance (example: V700)

R10 Series Relay (Continued)

| Product Code | Arrangement | Material | Contact Style/Rating | Nom. Coil V | Terminals & Mounting | Part Number |
|-----------------|----------------|---------------|-----------------------------|----------------|--|-------------|
| R10-E1P2-115V | 2 form C, 2 CO | Au overlay Ag | Bif crossbar / dry circuit | 115 VAC | Solder/plug-in w/ #3-48 mounting stud | 7-1393765-0 |
| R10-E1P2-V700 | | | | 24 VDC | | 6-1393765-9 |
| R10-E1P4-115V | 4 form C, 4 CO | | | 115 VAC | | 7-1393765-6 |
| R10-E1P4-V700 | | | | 24 VDC | | 7-1393765-5 |
| R10-E1W2-V185 | 2 form C, 2 CO | AgCdO | Single contact / 7.5A | 12 VDC | | 8-1393765-9 |
| R10-E1W2-V700 | | | | 24 VDC | | 9-1393765-1 |
| R10-E1W4-V185 | 4 form C, 4 CO | | | 12 VDC | | 9-1393765-3 |
| R10-E1W4-V700 | | | | 24 VDC | | 9-1393765-5 |
| R10-E1X2-24V | 2 form C, 2 CO | | Single contact / 5A | 24 VAC | | 1-1393766-1 |
| R10-E1X2-115V | | | | 115 VAC | | 1-1393766-0 |
| R10-E1X2-S800 | | | | 12 VDC | | 1393766-3 |
| R10-E1X2-V185 | | | | | | 1393766-5 |
| R10-E1X2-V700 | | | | 24 VDC | | 1393766-9 |
| R10-E1X4-115V | 4 form C, 4 CO | | | 115 VAC | | 1-1393766-8 |
| R10-E1X4-V185 | | | | 12 VDC | | 1-1393766-4 |
| R10-E1X4-V700 | | | | 24 VDC | | 1-1393766-7 |
| R10-E1X4-V2.5K | | | | 48 VDC | | 1-1393766-5 |
| R10-E1X6-115V | 6 form C, 6 CO | | | 115 VAC | | 2-1393766-5 |
| R10-E1X6-V90 | | | | 12 VDC | | 2-1393766-4 |
| R10-E1X6-V430 | | | | 24 VDC | | 2-1393766-2 |
| R10-E1Y2-J1.0K | 2 form C, 2 CO | Ag | Single contact / 2A typical | Not applicable | | 3-1393766-3 |
| R10-E1Y2-J2.5K | | | | | | 3-1393766-4 |
| R10-E1Y2-V185 | | | | 12 VDC | | 4-1393766-0 |
| R10-E1Y2-V700 | | | | 24 VDC | | 4-1393766-4 |
| R10-E1Y2-V2.5K | | | | 48 VDC | | 4-1393766-1 |
| R10-E1Y2-V15.0K | | | | 115 VDC | | 3-1393766-9 |
| R10-E1Y4-J10.0K | 4 form C, 4 CO | | | Not applicable | | 4-1393766-9 |
| R10-E1Y4-V52 | | | | 6 VDC | | 5-1393766-6 |
| R10-E1Y4-V2.5K | | | | 48 VDC | | 5-1393766-5 |
| R10-E1Y4-V700 | | | | 24 VDC | | 5-1393766-7 |
| R10-E1Y6-V430 | 6 form C, 6 CO | | | | | 6-1393766-1 |
| R10-E1Y6-V1.5K | | | | 48 VDC | | 6-1393766-0 |
| R10-E1Z2-V185 | 2 form C, 2 CO | | Bifurcated / 100mA typical | 12 VDC | | 7-1393766-2 |
| R10-E1Z2-V700 | | | | 24 VDC | | 7-1393766-4 |
| R10-E1Z4-V185 | 4 form C, 4 CO | | | 12 VDC | | 7-1393766-9 |
| R10-E1Z4-V700 | | | | 24 VDC | | 8-1393766-1 |
| R10-E1Z4-V2.5K | | | | 48 VDC | | 8-1393766-0 |
| R10-E1Z6-V430 | 6 form C, 6 CO | | | 24 VDC | | 8-1393766-6 |
| R10-E1Z6-V1.5K | | | | 48 VDC | | 8-1393766-5 |
| R10-T1P2-115V | 2 form C, 2 CO | Au overlay Ag | Bif crossbar / dry circuit | 115 VAC | | 2-1393769-8 |
| R10S-E1Y1-J1.0K | 1 form C, 1 CO | Ag | Single contact / 2A typical | Not applicable | | 7-1393769-0 |
| R10S-E1Y2-J5.0K | 2 form C, 2 CO | | | | | 7-1393769-5 |
| R10-E2P4-V185 | 4 form C, 4 CO | Au overlay Ag | Bif crossbar / dry circuit | 12 VDC | PCB, .064" clearance, 1.25" seated ht. | 1393767-3 |
| R10-E2P4-V700 | | | | 24 VDC | | 1393767-4 |
| R10-E2W2-V185 | 2 form C, 2 CO | AgCdO | Single contact / 5A | 12 VDC | | 1393767-7 |
| R10-E2X2-V185 | | | | | | 1-1393767-1 |
| R10-E2X2-V700 | | | | 24 VDC | | 1-1393767-5 |
| R10-E2X4-V185 | 4 form C, 4 CO | | | 12 VDC | | 1-1393767-7 |
| R10-E2X4-V700 | | | | 24 VDC | | 1-1393767-8 |
| R10-E2Y2-V185 | 2 form C, 2 CO | Ag | Single contact / 2A typical | 12 VDC | | 2-1393767-6 |
| R10-E2Y2-V700 | | | | 24 VDC | | 2-1393767-9 |
| R10-E2Y4-V185 | 4 form C, 4 CO | | | 12 VDC | | 3-1393767-5 |
| R10-E2Y4-V700 | | | | 24 VDC | | 3-1393767-6 |
| R10S-E2Y1-J1.0K | 1 form C, 1 CO | | | Not applicable | | 8-1393769-1 |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.