

**T92 Series Two-pole 30A PCB or Panel Mount Relay (Continued)**

**Coil versions, AC coil (A type) (continued)**

| Coil code | Rated voltage VAC | Frequency Hz | Operate voltage VAC, 60Hz | Release voltage VAC, 60Hz | Coil resistance $\Omega \pm 10\%$ | Rated coil power VA |
|-----------|-------------------|--------------|---------------------------|---------------------------|-----------------------------------|---------------------|
| 12        | 12                | 60           | 9.6                       | 1.2                       | 9.1                               | 4                   |
| 24        | 24                | 60           | 19.2                      | 2.4                       | 36.6                              | 4                   |
| 110       | 110               | 60           | 88                        | 11                        | 793                               | 4                   |
| 120       | 110/120           | 50/60        | 96                        | 12                        | 950                               | 4                   |
| 208       | 208               | 60           | 166.4                     | 20.8                      | 2841                              | 4                   |
| 240       | 220/240           | 50/60        | 192                       | 24                        | 3800                              | 4                   |
| 277       | 250/277           | 50/60        | 221.6                     | 27.7                      | 5485                              | 4                   |

**Coil versions, AC coil (F type)**

| Coil code | Rated voltage VAC | Frequency Hz | Operate voltage VAC, 60Hz | Release voltage VAC, 60Hz | Coil resistance $\Omega \pm 10\%$ | Rated coil power VA |
|-----------|-------------------|--------------|---------------------------|---------------------------|-----------------------------------|---------------------|
| 12        | 12                | 50           | 9.6                       | 1.2                       | 11.2                              | 3.5                 |
| 24        | 24                | 50           | 19.2                      | 2.4                       | 44.4                              | 3.5                 |
| 48        | 48                | 50           | 38.4                      | 4.8                       | 179.2                             | 3.5                 |
| 240       | 240               | 50           | 192                       | 24                        | 4355                              | 3.5                 |

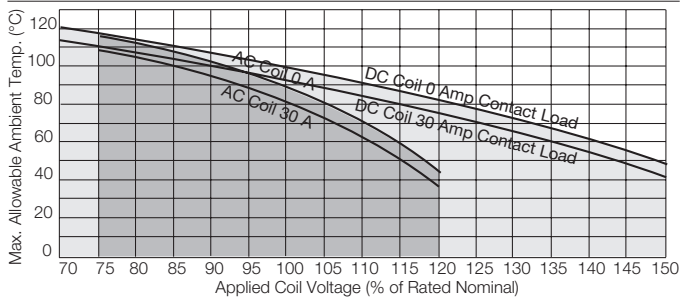
All figures are given for coil without preenergization, at ambient temperature +23°C. For A type, 110V/120V, 50/60Hz. Signify 50Hz Operation at Nominal 110V, 60 Hz Operation at Nominal 120V.

**Coil Data (continued)**

**Ambient temperature vs. coil voltage**

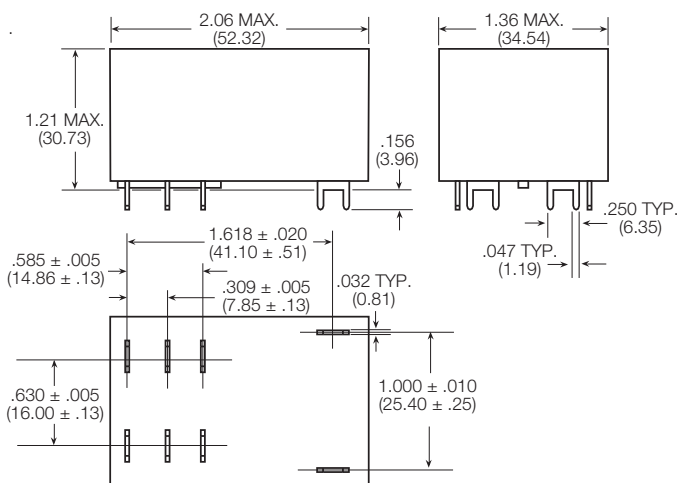
Assumptions:

1. Thermal resistance = 35°C per Watt (DC only.)
2. Still air.
3. Nominal coil resistance.
4. Max. mean coil temperature = 155°C (change of resistance method).
5. Coil temperature rise due to load = 6.3°C @ 30 amps.
6. Curves are based on 1.7W at 25°C (DC only.)



**Dimensions**

T92 – Mounting and termination code 1



**Insulation Data**

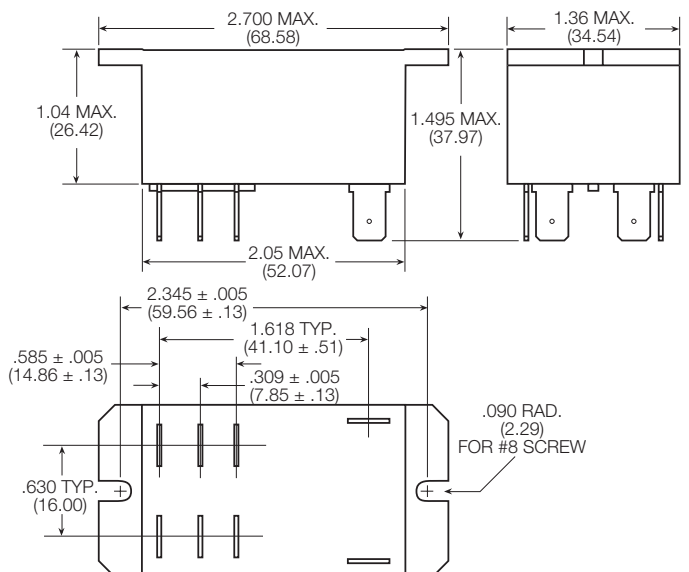
|                                 |                              |
|---------------------------------|------------------------------|
| Initial dielectric strength     |                              |
| between open contacts           | 1500V <sub>rms</sub>         |
| between contact and coil        | 4000V <sub>rms</sub>         |
| between adjacent contact        | 2000V <sub>rms</sub>         |
| Initial surge withstand voltage |                              |
| between contact and coil        | 8kV                          |
| Initial insulation resistance   |                              |
| between insulated elements      | 1x10 <sup>9</sup> Ω          |
| Clearance/creepage              |                              |
| between contact and coil        | 8mm clearance/9.5mm creepage |

**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                  |                                                             |
| DC coil                              | -55°C to 85°C                                               |
| AC coil                              | -55°C to 65°C                                               |
| Category of environmental protection |                                                             |
| IEC 61810                            | RTI - dust protected, RTII - flux proof, RTIII - wash tight |
| Vibration resistance (functional)    | 1.65mm max excursions, 10-55 Hz                             |
| Shock resistance (functional)        | 10g for 11msec                                              |
| Shock resistance (destructive)       | 100g                                                        |
| Terminal type                        | PCB-tht or quick connect                                    |
| Weight                               | 86g                                                         |
| Resistance to soldering heat THT     |                                                             |
| IEC 60068-2-20                       | 260°C                                                       |
| Packaging/unit                       | tray/30 pcs., box/120 pcs.                                  |

T92 – Mounting and termination code 2, 3 and 4





**T92 Series Two-pole 30A PCB or Panel Mount Relay (Continued)**

| Product Code   | Enclosure          | Contacts       | Coil | Mounting                      | Contact Material            | Coil        | Part Number |             |
|----------------|--------------------|----------------|------|-------------------------------|-----------------------------|-------------|-------------|-------------|
| T92P7A22-24    | Plastic dust cover | 2 form A, 2 NO | AC   | Panel mount + quick connect   | AgCdO                       | 24 VAC      | 6-1393211-0 |             |
| T92P7A22-120   |                    |                |      |                               |                             | 120 VAC     | 5-1393211-7 |             |
| T92P7A22-240   |                    |                |      |                               |                             | 240 VAC     | 6-1393211-2 |             |
| T92P7A22-277   |                    |                |      |                               |                             | 277 VAC     | 6-1393211-3 |             |
| T92P7A24-240   |                    |                |      |                               | AgSnOInO                    | 240 VAC     | 3-1423008-3 |             |
| T92P7A52-120   |                    |                |      | Panel mount + screw terminals | AgCdO                       | 120 VAC     | 1423008-8   |             |
| T92P7A52-240   |                    |                |      |                               | 240 VAC                     | 1-1423008-2 |             |             |
| T92P7D12-12    |                    |                | DC   | PCB terminals                 |                             | 12 VDC      | 6-1393211-5 |             |
| T92P7D12-24    |                    |                |      |                               |                             | 24 VDC      | 6-1393211-6 |             |
| T92P7D22-12    |                    |                |      | Panel mount + quick connect   |                             | 12VDC       | 6-1393211-9 |             |
| T92P7D22-24    |                    |                |      |                               |                             | 24 VDC      | 7-1393211-1 |             |
| T92P7D22-48    |                    |                |      |                               | 48 VDC                      | 7-1393211-2 |             |             |
| T92P7D24-12    |                    |                |      |                               | AgSnOInO                    | 12VDC       | 2-1423008-2 |             |
| T92P7D24-24    |                    |                |      |                               |                             | 24 VDC      | 1423008-9   |             |
| T92P7D42-24    |                    |                |      |                               | AgCdO                       |             | 7-1393211-5 |             |
| T92P7D52-12    |                    |                |      | Panel mount + screw terminals |                             | 12 VDC      | 1-1423008-0 |             |
| T92P7D52-24    |                    |                |      |                               |                             | 24 VDC      | 1423967-1   |             |
| T92P11A12-120  |                    | 2 form C, 2 CO | AC   | PCB terminals                 |                             | 120 VAC     | 3-1393211-8 |             |
| T92P11A22-12   |                    |                |      | Panel mount + quick connect   |                             | 12 VAC      | 3-1393211-9 |             |
| T92P11A22-24   |                    |                |      |                               |                             | 24 VAC      | 4-1393211-3 |             |
| T92P11A22-120  |                    |                |      |                               |                             | 120 VAC     | 4-1393211-0 |             |
| T92P11A22-240  |                    |                |      |                               | 240 VAC                     | 4-1393211-4 |             |             |
| T92P11A22-277  |                    |                |      |                               | 277 VAC                     | 4-1393211-6 |             |             |
| T92P11A24-240  |                    |                |      |                               | AgSnOInO                    | 240 VAC     | 3-1423008-7 |             |
| T92P11A42-120  |                    |                |      |                               |                             | AgCdO       | 120VAC      | 4-1393211-8 |
| T92P11D12-12   |                    |                | DC   | PCB terminals                 |                             | 12 VDC      | 5-1393211-0 |             |
| T92P11D22-12   |                    |                |      | Panel mount + quick connect   |                             |             | 5-1393211-3 |             |
| T92P11D22-24   |                    |                |      |                               |                             | 24 VDC      | 5-1393211-4 |             |
| T92P11D24-12   |                    |                |      |                               | AgSnOInO                    | 12 VDC      | 3-1423008-5 |             |
| T92P11D24-24   |                    |                |      | 24 VDC                        |                             | 3-1423008-6 |             |             |
| T92S7A12-24    | Wash tight         | 2 form A, 2 NO | AC   | PCB terminals                 | AgCdO                       | 24 VAC      | 9-1393211-8 |             |
| T92S7A12-120   |                    |                |      |                               |                             | 120 VAC     | 9-1393211-7 |             |
| T92S7A12-240   |                    |                |      |                               |                             | 240 VAC     | 9-1393211-9 |             |
| T92S7A22-24    | Top sealed         |                |      | Panel mount + quick connect   |                             | 24 VAC      | 1393212-4   |             |
| T92S7A22-120   |                    |                |      |                               |                             | 120 VAC     | 1393212-2   |             |
| T92S7A22-240   |                    |                |      |                               |                             | 240 VAC     | 1393212-5   |             |
| T92S7D12-12    | Wash tight         |                | DC   | PCB terminals                 |                             | 12 VDC      | 1393212-8   |             |
| T92S7D12-24    |                    |                |      |                               |                             |             | 24 VDC      | 1-1393212-0 |
| T92S7D12-48    |                    |                |      |                               |                             | 48 VDC      | 1-1393212-1 |             |
| T92S7D12-110   |                    |                |      |                               |                             | 110 VDC     | 1393212-7   |             |
| T92S7D14-24    |                    |                |      |                               | AgSnOInO                    | 24 VDC      | 1-1423008-8 |             |
| T92S7D22-12    | Top sealed         |                |      | Panel mount + quick connect   |                             | AgCdO       | 12 VDC      | 1-1393212-4 |
| T92S7D22-18    |                    |                |      |                               |                             |             | 18 VDC      | 1-1393212-5 |
| T92S7D22-24    |                    |                |      |                               |                             | 24 VDC      | 1-1393212-7 |             |
| T92S7D22-110   |                    |                |      |                               |                             | 110 VDC     | 1-1393212-3 |             |
| T92S11A12-24   | Wash tight         | 2 form C, 2 CO | AC   | PCB terminals                 |                             | 24 VAC      | 8-1393211-1 |             |
| T92S11A12-120  |                    |                |      |                               |                             |             |             | 120 VAC     |
| T92S11A12-240  |                    |                |      |                               |                             | 240 VAC     | 8-1393211-2 |             |
| T92S11A22-12   | Top sealed         |                |      | Panel mount + quick connect   |                             | 12 VAC      | 8-1393211-3 |             |
| T92S11A22-24   |                    |                |      |                               |                             |             | 24 VAC      | 8-1393211-6 |
| T92S11A22-120  |                    |                |      |                               |                             | 120 VAC     | 8-1393211-4 |             |
| T92S11A22-240  |                    |                |      |                               |                             | 240 VAC     | 8-1393211-7 |             |
| T92S11D12-12   | Wash tight         |                | DC   | PCB terminals                 |                             | 12 VDC      | 8-1393211-9 |             |
| T92S11D12-24   |                    |                |      |                               |                             |             | 24 VDC      | 9-1393211-0 |
| T92S11D12-48   |                    |                |      |                               |                             | 48 VDC      | 9-1393211-1 |             |
| T92S11D12-110  |                    |                |      |                               |                             | 110 VDC     | 8-1393211-8 |             |
| T92S11D22-12   | Top sealed         |                |      | Panel mount + quick connect   |                             | 12 VDC      | 9-1393211-3 |             |
| T92S11D22-24   |                    |                |      |                               |                             |             | 24 VDC      | 9-1393211-4 |
| T92P7D12-12-99 | Plastic dust cover | 2 form A, 2 NO | DC   | PCB terminals                 | AgCdO                       | 12VDC       | 2-2071223-3 |             |
| T92S7D1X-12-99 | Wash tight         |                |      |                               | Panel mount + quick connect | AgSnO+AgNi  | 12VDC       | 6-1423008-1 |
| T92S7D2X-12-99 | Top Sealed         |                |      |                               |                             |             | 12VDC       | 6-1423008-2 |
| T92S7A22-240   | Top Sealed(WG)     |                |      |                               | AC                          |             | AgCdO       | 240VAC      |
| T92S7D12-12-00 | Wash tight (WG)    |                | DC   | PCB terminals                 |                             | 12VDC       | 1-2071223-7 |             |
| T92S7D22-12-02 | Top Sealed(WG)     |                |      | Panel mount + quick connect   |                             | 12VDC       | 1-2071223-5 |             |