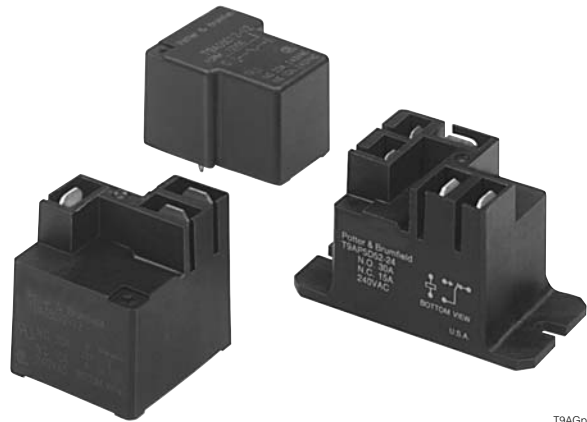


Power Relay T9A

- 1 pole 30 A, 1 NO or 1 CO contact
- High breaking capacity 7200 VA
- PCB- and PCB/quick connect terminals
- Chassis mount version with quick connect terminals
- UL-class F as standard
- Ambient temperature 85°C

Applications

HVAC, power supplies, domestic appliances, measurement & control



T9AGp

Approvals



Technical data of approved types on request

Contact data

| | | |
|---|---------------------|--------------|
| Contact configuration | 1 NO contact | 1 CO contact |
| Contact set | single contact | |
| Type of interruption | micro disconnection | |
| Rated voltage / max. switching voltage AC | 240 / 277 VAC | |
| Rated current NO / NC contact | 30 A | 20 / 10 A |
| Contact material | AgCdO, AgSnOInO | |
| Minimum contact load | ≥ 1A, 5VDC / 12 VAC | |
| Operate- / release time including bounce time | max. 15 / 15ms | |

Contact ratings

| Type | Contact | Load | Ambient temp. [°C] | Cycles |
|---------------|---------|--------------------------------|--------------------|---------------------|
| UL 508 | | | | |
| T9A AgCdO | NO | 30 A, 240 VAC, general purpose | 85°C | 100x10 ³ |
| T9A AgCdO | NO | 15 A 240 VAC, resistive | 105°C | 100x10 ³ |
| T9A AgCdO | CO | 30 A / 20 A 240 VAC, resistive | 25°C | 6x10 ³ |
| T9A AgCdO | CO | 20 A / 10 A 28 VDC, resistive | 25°C | 100x10 ³ |
| T9A AgSnOInO | NO | 30 A, 240 VAC, general purpose | 25°C | 100x10 ³ |

Coil data

| | |
|---|------------|
| Rated coil voltage range DC coil | 5...48 VDC |
| For AC coil version please refer to T9C datasheet | |

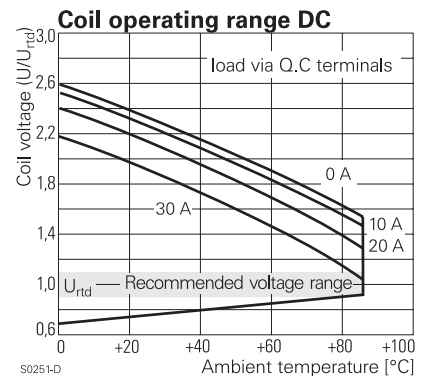
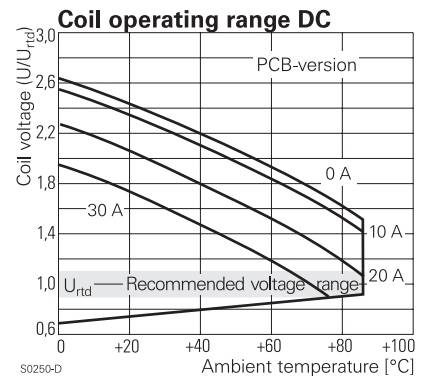
Coil versions, DC-coil

| Coil code | Rated voltage VDC | Operate voltage VDC | Release voltage VDC | Coil resistance Ω | Rated coil power mW |
|-----------|-------------------|---------------------|---------------------|-------------------|---------------------|
| 6 | 6 | 4.5 | 0.6 | 36±10% | 1000 |
| 12 | 12 | 9.0 | 1.2 | 144±10% | 1000 |
| 24 | 24 | 18.0 | 2.4 | 576±10% | 1000 |
| 48 | 48 | 36.0 | 4.8 | 2304±10% | 1000 |

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

Insulation

| | |
|--|--------------------------------------|
| Insulation resistance coil-contact circuit | > 10 ⁹ Ohms |
| Dielectric strength coil-contact circuit | 2500 V _{rms} |
| open contact circuit | 1500 V _{rms} |
| Clearance / creepage coil-contact circuit | ≥ 2.5 / 4 mm; ≥ 3.1 / 6.3 mm (UL508) |



Power Relay T9A (Continued)

| | | | | | | | | | |
|------------------------------|---|--|------------|----------|----------|----------|----------|----------|------------|
| Product key | Typical product key | | T9A | S | 1 | D | 2 | 2 | -24 |
| Type | T9A Power relay T9A | | | | | | | | |
| Enclosure | P dust protected (flange mount) S wash tight (PCB- or PCB-/quick connect version) | | | | | | | | |
| Contact configuration | 1 1 NO contact (1 form A) 5 1 CO contact (1 form C) | | | | | | | | |
| Coil version | D DC coil 1 W | | | | | | | | |
| Mounting | 1 PCB-version 2 PCB-terminals for coil and contacts, quick connect terminals for contacts 5 Flange mount, 4.75 mm quick connect term. for coil, 6.35 mm quick connect term. for contacts | | | | | | | | |
| Contact material | 2 AgCdO 4 AgSnOInO | | | | | | | | |
| Coil | Coil code: please refer to coil versions table | | | | | | | | |

Other types on request

| Product key | Enclosure | Mounting | Cont. material | Cont.configuration | Coil | Part number |
|-------------|------------|-------------------|----------------|--------------------|--------|-------------|
| T9AS1D12-9 | wash tight | pcb terminals | AgCdO | 1 NO contact | 9 VDC | 2-1393210-2 |
| T9AS1D12-12 | | | | | 12 VDC | 1-1393210-3 |
| T9AS1D12-24 | | | | | 24 VDC | 1-1393210-8 |
| T9AS1D12-48 | | | | | 48 VDC | 1-1393210-9 |
| T9AS1D22-12 | | pcb + quick conn. | | | 12 VDC | 1-1419104-7 |
| T9AS5D12-24 | | pcb terminals | | 1 CO contact | 24 VDC | 3-1393210-7 |
| T9AS5D22-12 | | pcb + quick conn. | | | 12 VDC | 3-1419104-3 |
| T9AS5D22-24 | | | | | 24 VDC | 3-1419104-6 |