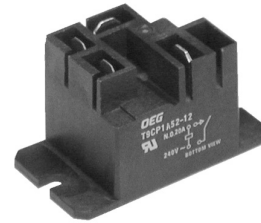


**T9C Series, AC Coil Power Relay**

- 30A, 1NO, 20A/10A 1CO
- Flange mount
- 1.6VA coil (cULus recognized)
- 1.2VA coil (VDE approved)
- 2.5kV coil - contact dielectric

Typical applications  
HVAC, power supplies, domestic appliances, measurement and controls



**Approvals**

UL E58304; CSA LR48471; VDE REG.-Nr.A876  
Technical data of approved types on request

**Contact Data**

Contact arrangement	1 form A (NO), 1 form B (NC), 1 form C (CO)
Rated voltage	250VAC
Max. switching voltage	250VAC
Rated current	20A /10A
Breaking capacity max.	5000VA
Contact material	AgSnOInO, AgCdO
Min. recommended contact load	1A, 5VDC or 12VAC
Initial contact resistance	75 mΩ at 1A at 5VDC or 12VAC
Frequency of operation, with/without load	6/300min
Operate/release time max., including bounce	15/15ms

**Contact ratings**

Type	Load	Cycles
<b>UL508</b>		
NO	30A, 250VAC, resistive, 25°C	30x10 <sup>3</sup>
NO	15A, 240VAC, general purpose, 70°C	100x10 <sup>3</sup>
CO	20A/10A, 250VAC, resistive, 25°C	6x10 <sup>3</sup>
<b>IEC 61810</b>		
E coil		
NO	15A, 277VAC, cos =1, 85°C	100x10 <sup>3</sup>
Mechanical endurance		5x10 <sup>6</sup> ops.

**Coil Data**

Coil voltage range	12 to 240VAC	
Max. coil power	Coil A, 1.6VA	Coil E, 1.2VA
Coil insulation system according UL	Class F	

**Coil versions, AC coil**

Coil code	Rated voltage VAC	Operate voltage VAC	Release voltage VAC	Coil resistance Ω±10%	Rated coil power VA
Code A (1.6VA) coil					
12	12	9.6	3.6	36	1.6
24	24	19.2	7.2	144	1.6
48	48	38.4	14.4	576	1.6
120	110	88	33	3025	1.6
240	220	176	66	12000	1.6
Code E (1.2VA) coil					
12	12	9.6	3.6	52	1.2
24	24	19.2	7.2	198	1.2
48	48	38.4	14.4	824	1.2
120	110	88	33	3728	1.2
240	220	176	66	14810	1.2

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

**Insulation Data**

Initial dielectric strength	
between open contacts	1500V <sub>rms</sub>
between contact and coil	2500V <sub>rms</sub>
Initial insulation resistance	
between insulated elements	1x10 <sup>9</sup> Ω
Clearance/creepage	
between contact and coil	2.5 / 4mm; 3.1 / 6.3mm (UL508)
Tracking index of relay base	175

**Other Data**

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at [www.te.com/customersupport/rohssupportcenter](http://www.te.com/customersupport/rohssupportcenter)

Ambient temperature	
AC coil	-40°C to 70°C
Category of environmental protection	
IEC 61810	RTI - dust protected
Vibration resistance (functional)	1.5mm, 10-55 Hz
Shock resistance (functional)	10g for 11msec
Shock resistance (destructive)	100g
Terminal type	quick connect
Weight	33g
Resistance to soldering heat THT	
IEC 60068-2-20	250°C
Packaging/unit	250 pcs

**Dimensions**

