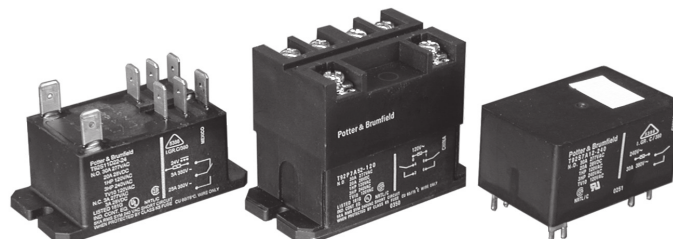


T92 Series Two-pole 30A PCB or Panel Mount Relay

- 40A, 2 form A (NO) and 2 form C (CO) switching capability
- Designed to control compressor loads to 3.5 tons, 110LRA / 25.3FLA
- Meets requirements of UL 508 and UL 873 spacings - 8mm through air, 9.5mm over surface
- Meets requirements of VDE 8mm spacing, 4kV dielectric coil-to-contact
- Meets requirements of UL Class F construction
- UL approved for 600VAC switching (1.5HP)
- New screw terminal version (consult factory for availability, ratings)

Typical applications

HVAC, residential / commercial appliances, industrial controls.



Approvals

UL E58304 (Recognized and Listed); CSA LR48471; VDE 40019600
Technical data of approved types on request.

Contact Data

Contact arrangement	2 form A (NO); 2 form C (CO)
Rated voltage	277VAC
Max. switching voltage	600VAC
Rated current	30A NO; 3A NC
Limiting continuous current	40A NO; 3A NC
Limiting making current	40A NO; 3A NC
Limiting breaking current	40A NO; 3A NC
Contact material	AgSnInO, AgCdO
Min. recommended contact load	500ma (NO)/ 100ma (NC), 12VAC
Frequency of operation, with load	360hr
Operate/release time max., including bounce	25/25ms

Contact ratings ¹⁾

Type	Load	Cycles
UL508		
AgCdO		
NO	40A, 277VAC, resistive	6x10 ³
NO	30A, 120/277VAC, resistive	100x10 ³
NO	10A, 600VAC, general purpose	100x10 ³
NO	1HP, 120VAC	100x10 ³
NO	3HP, 240VAC	1x10 ³
NO	1.5HP, 480 or 600VAC	100x10 ³
NO	110LRA/25.3FLA, 240VAC (DC coil only)	100x10 ³
NO	60LRA/14FLA, 240VAC (AC coil only)	100x10 ³
NO	3A, 240VAC, pilot duty	100x10 ³
NO	20A, 28VDC, resistive	100x10 ³
NO	TV10, 120VAC	100x10 ³
NC	3A, 277VAC	100x10 ³
NC	2A, 480VAC	100x10 ³
NC	1A, 600VAC	100x10 ³
AgSnInO		
NO	30A, 120/277VAC, resistive (DC coil only)	200x10 ³
NO	30A, 120/277VAC, resistive (AC coil only)	100x10 ³
NO	20A, 480VAC, resistive	100x10 ³
NO	1.5HP, 120VAC, 2 pole making/breaking (Fig.1)	100x10 ³
NO	3HP, 240VAC, 3 phase (DC coil only)	100x10 ³
NO	3HP, 480VAC, 3 phase (DC coil only)	100x10 ³
NO	2HP, 600VAC, 3 phase (DC coil only)	100x10 ³
VDE		
AgCdO, flange mount relays		
NO	20A, 400VAC	100x10 ³
NC	3A, 400VAC	30x10 ³
CO	20A NO / 3A NC, 400VAC	30x10 ³
AgCdO, PC mount relays		
NO	30A, 400VAC	100x10 ³
NC	3A, 400VAC	30x10 ³
CO	30A NO / 3A NC, 400VAC	30x10 ³

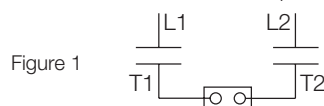
Contact ratings ¹⁾ (continued)

ARI 780-86 Endurance Test (section 6.6):

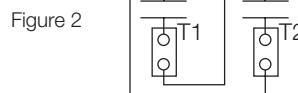
HVAC Definite Purpose Contactor Standard

Normally Open Contacts

Single Phase/Two Pole (Both poles together switching a single load)
110 LRA, 25.3 FLA, 200K operations (DC Coil)



Single Phase Per Pole (Single load per pole)
110 LRA, 18 FLA, 200K operations (DC Coil).
60 LRA, 14 FLA, 200K operations (AC Coil).



¹⁾ Contact ratings at 25°C (unless otherwise noted) with relay properly vented.
FLA, LRA ratings are compatible with 3.5 ton compressor applications.

Mechanical endurance 10x10⁶ ops.

Coil Data

Coil voltage range	5 to 110VDC; 12 to 240VAC
Max. coil power	1.7W; 4.0VA
Max. coil temperature	155°C
Coil insulation system according UL	Class F

Coil versions, DC coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ω±10%	Rated coil power W
6	6	4.5	0.6	22	1.7
9	9	6.75	0.9	48	1.7
12	12	9	1.2	86	1.7
18	18	13.5	1.8	197	1.7
24	24	18	2.4	350	1.7
48	48	36	4.8	1390	1.7
110	110	82.5	11	7255	1.7

Coil versions, AC coil

Coil code	Rated voltage VAC	Frequency Hz	Operate voltage VAC, 60Hz	Release voltage VAC, 60Hz	Coil resistance Ω±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
120	110/120	50/60	96	12	950	4
240	220/240	50/60	192	24	3800	4
277	250/277	50/60	222	28	5485	4

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