

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

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

Con versions, AC con (A type) (Continued)								
Coil	Rated	Frequency	Operate	Release	Coil	Rated coil		
code	voltage		voltage	voltage	resistance	power		
	VAC	Hz	VAC, 60Hz	VAC, 60Hz	2 Ω±10%	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	Rated	Frequency	Operate	Release	Coil	Rated coil
code	voltage		voltage	voltage	resistance	power
	VAC	Hz	VAC, 60Hz	VAC, 60Hz	Ω±10%	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

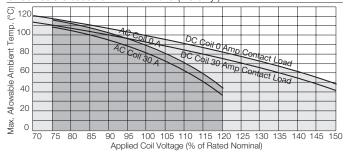
All figures are given for coil without preenergization, at ambient temperature +23°C. For A type, 110V/120V, 50/60Hz. Signify 50Hz Operation at Nominal 110V, 60 Hz Operation at Nominal 120V.

### 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.)



#### **Insulation Data** Initial dielectric strength 1500V<sub>rms</sub> between open contacts 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 $1x10^{9}\Omega$ 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/customersupport/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

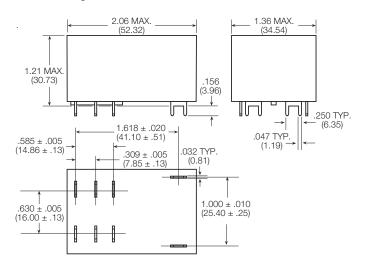
Vibration resistance (functional)
Shock resistance (functional)
Shock resistance (destructive)
Terminal type
Weight
Resistance to soldering heat THT
IEC 60068-2-20

RIII - Mux proof, RTIII - Wash tight
1.65mm max excursions, 10-55 Hz
100g
PCB-tht or quick connect
86g
Resistance to soldering heat THT
IEC 60068-2-20
260°C

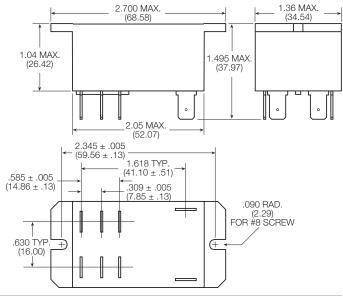
Packaging/unit tray/30 pcs., box/120 pcs.

### **Dimensions**

T92 - Mounting and termination code 1



T92 - Mounting and termination code 2, 3 and 4

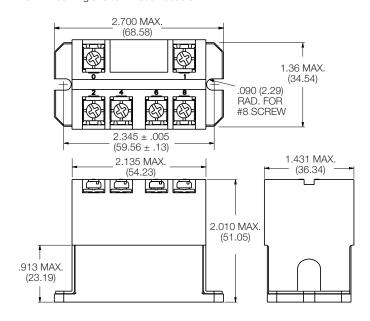




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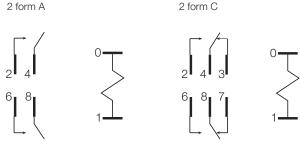
### **Dimensions**

T92 - Mounting and termination code 5



### Terminal assignment

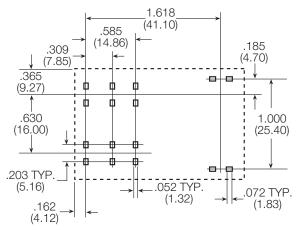
Bottom view on pins



### **PCB** layout

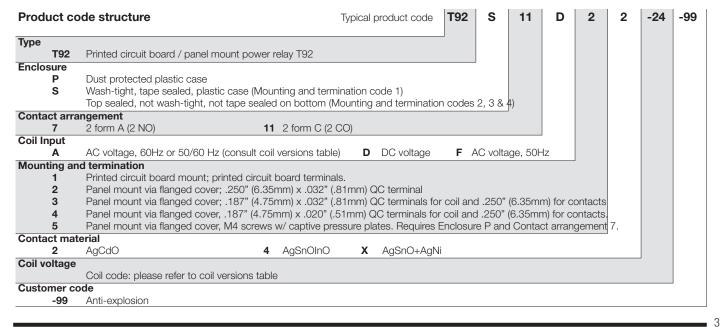
Bottom view on pins

T92 - Mounting and termination code 1



An alternate PC board layout utilizes .076  $\pm$  .003 (1.93  $\pm$  .076) diameter holes on the same center-to-center spacing shown above. Use of the rectangular holes is recommended for improved solderability.

Only necessary terminals are present on single throw models. Consequently, some holes will be unnecessary for single throw models.



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Catalog and product data is subject to the terms of the disclaimer and all chapters of the 'Definitions' section, available at <a href="http://relays.te.com/definitions">http://relays.te.com/definitions</a>

Catalog product data, 'Definitions' section, application notes and all specifications are subject to change.



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

<b>Product Code</b>	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					4 0 01 0	277 VAC	6-1393211-3
T92P7A24-240					AgSnOlnO	240 VAC	3-1423008-3
T92P7A52-120				Panel mount + screw terminals	AgCdO	120 VAC	1423008-8
T92P7A52-240			DC	PCB terminals		240 VAC	1-1423008-2
T92P7D12-12			DC	POB terminals		12 VDC	6-1393211-5 6-1393211-6
T92P7D12-24 T92P7D22-12				Panel mount + quick connect		24 VDC 12VDC	6-1393211-6
T92P7D22-12				Farier mount + quick connect		24 VDC	7-1393211-9
T92P7D22-48						48 VDC	7-1393211-1
T92P7D24-12					AgSnOlnO	12VDC	2-1423008-2
T92P7D24-24					7 1901101110	24 VDC	1423008-9
T92P7D42-24					AgCdO	21 100	7-1393211-5
T92P7D52-12				Panel mount + screw terminals	, igodo	12 VDC	1-1423008-0
T92P7D52-24				T distribute i coroni terrimidio		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					AgSnOlnO	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					AgSnOlnO	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	Maala tialat		DC	PCB terminals		240 VAC 12 VDC	1393212-5
T92S7D12-12 T92S7D12-24	Wash tight		DC	POB terminals		24 VDC	1393212-8 1-1393212-0
T92S7D12-24						48 VDC	1-1393212-0
T92S7D12-40						110 VDC	1393212-7
T92S7D12-110					AgSnOlnO	24 VDC	1-1423008-8
T92S7D22-12	Top sealed			Panel mount + quick connect	AgCdO	12 VDC	1-1393212-4
T92S7D22-18	Top coaled			Tarior modific in quion connect	, igoao	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	8-1393211-0
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				AgSnO+AgNi	12VDC	6-1423008-1
T92S7D2X-12-99	Top Sealed			Panel mount + quick connect		12VDC	6-1423008-2
T92S7A22-240	Top Sealed(WG)		AC		AgCdO	240VAC	1393212-5
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