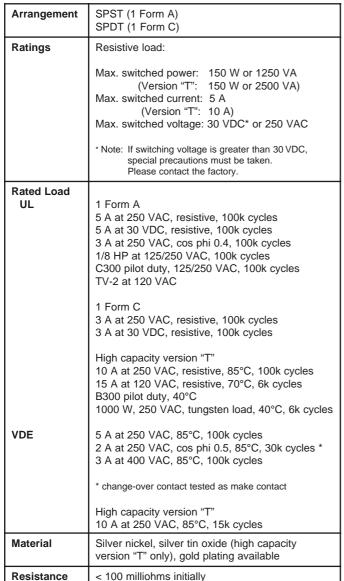
SPDT SUBMINIATURE **POWER RELAY**

FEATURES

- 5 kV dielectric strength, 10 kV surge
- 8 mm creepage and clearance
- Proof tracking index (PTI/CTI) 250
- 5 Amp switching capability (version "T" 10 Amp)
- 20 A high inrush current (1 Form A)
- Epoxy sealed version available
- UL Class F insulation (155°C) standard
- Reinforced insulation, EN 60730-1 (VDE 0631, part 1), 1 Form A: EN 60335-1 (VDE 0700, part 1)
- UL, CUR file E44211
- VDE certificate 40006815

CONTACTS





GENERAL DATA

Life Expectancy Mechanical	Minimum operations		
meenamear			
Standard version Electrical	1 x 10⁵ at 5 A 250 VAC Res.		
Electrical	1 X 10° at 5 A 250 VAC Res.		
High capacity version "T"			
Electrical	1 x 10 ⁵ at 10 A 250 VAC Res.		
Operate Time (max.)	8 ms at nominal coil voltage		
Release Time (max.)	4 ms at nominal coil voltage (with no coil suppression)		
Dielectric Strength (at sea level for 1 min.)	5000 Vrms coil to contact 1000 Vrms between open contacts		
Surge Voltage	· · · · · · · · · · · · · · · · · · ·		
Coil to contact	10,000 V (at 1.2x50 μs)		
Insulation	1000 megohms min. at 20°C, 500 VDC,		
Resistance	50% RH		
Insulation (according to	C250 Overvoltage category: III		
DIN VDE 0110,	Pollution dregree: 3		
IEC 60664-1)	Nominal voltage: 250 VAC		
Dropout	Greater than 5% of nominal coil voltage		
Ambient Temperature Operating	At nominal coil voltage -40°C (-40°F) to 85°C (185°F)		
Vibration	1.65 mm DA at 10–55 Hz		
Shock	10 g operating, 100 g damage		
Enclosure	P.B.T. polyester		
Terminals	Tinned copper alloy, P.C.		
Max. Solder Temp.	270°C (518°F)		
Max. Solder Time	5 seconds		
Max. Solvent Temp.	80°C (176°F)		
Max. Immersion Time	30 seconds		
Weight	4.6 grams		
Packing unit in pcs	100 per tray / 1000 per carton box		

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AZ770

COIL

Power At Pickup Voltage 253 mW (standard coil) (typical) 113 mW (sensitive coil) 130 mW (sensitive coil high capacity version "T") Max. Continuous 760 mW at 20°C (68°F) ambient Dissipation **Temperature Rise** 41°C (74°F) standard coil (at nominal voltage) 22°C (40°F) sensitive coil 27°C (49°F) sensitive coil high capacity version "T" Temperature Max. 155°C (311°F)

NOTES

1	All	values	at	20°C	(68°F)
		values	aı	20 0	(001)

- 2. Relay may pull in with less than "Must Operate" value.
- 3. The vibration resistance is 0.6 mm DA at 10–55 Hz for the
- N.C. contact, if vibration is in length direction. 4. Specifications subject to change without notice.

RELAY ORDERING DATA

COIL SPECIFICATIONS				ORDER NUMBER*	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance Ohm ± 10	Form A (SPST)	Form C (SPDT)
3	2.25	3.9	20	AZ770-1A-3D	AZ770-1C-3D
5	3.75	6.6	55	AZ770-1A-5D	AZ770-1C-5D
6	4.50	7.8	80	AZ770-1A-6D	AZ770-1C-6D
9	6.75	11.7	180	AZ770-1A-9D	AZ770-1C-9D
12	9.00	15.6	320	AZ770-1A-12D	AZ770-1C-12D
18	13.50	23.4	720	AZ770-1A-18D	AZ770-1C-18D
24	18.00	31.2	1,280	AZ770-1A-24D	AZ770-1C-24D
48	36.00	62.4	5,120	AZ770-1A-48D	AZ770-1C-48D

* "1A" or "1C" denote silver nickel contacts.

Substitute "AZ770T-1AE" in place of "AZ770-1A" for high capacity version.

Add suffix "E" at the end of order number for sealed version.

Add suffix "K" at the end of order number for different footprint (Type 2); not available for high capacity version "T".

Add suffix "G" at the end of order number for gold plated contacts.

SENSITIVE COIL (STANDARD VERSION) - TYPE 1 FOOTPRINT

		-		i
COIL SPECIFICATIONS				ORDER NUMBER*
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance Ohm ± 10%	Form A (SPST)
3	2.25	5.1	45	AZ770-1A-3DS
5	3.75	8.5	125	AZ770-1A-5DS
6	4.50	10.2	180	AZ770-1A-6DS
9	6.75	15.3	400	AZ770-1A-9DS
12	9.00	20.4	720	AZ770-1A-12DS
18	13.50	30.6	1,600	AZ770-1A-18DS
24	18.00	40.8	2,800	AZ770-1A-24DS

* "1A" or "1C" denote silver nickel contacts.

Add suffix "E" at the end of order number for sealed version.

Add suffix "K" at the end of order number for different footprint (Type 2).

Add suffix "G" at the end of order number for gold plated contacts.

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AZ770

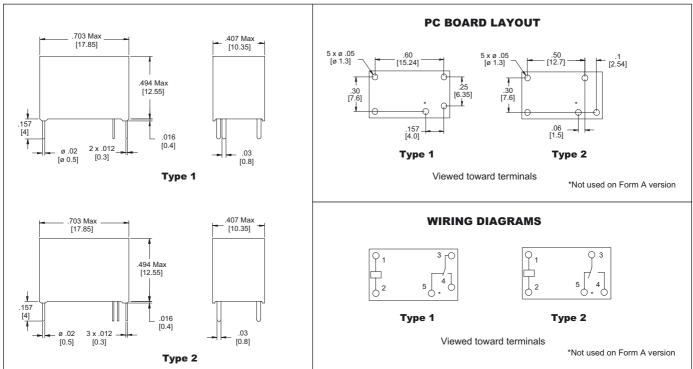
SENSITIVE COIL (HIGH CAPACITY VERSION "T") - TYPE 1 FOOTPRINT					
COIL SPECIFICATIONS				ORDER NUMBER*	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance Ohm ± 10%	Form A (SPST)	
3	2.25	5.1	38	AZ770T-1AE-3DS	
5	3.75	8.5	108	AZ770T-1AE-5DS	
6	4.50	10.2	155	AZ770T-1AE-6DS	
9	6.75	15.3	350	AZ770T-1AE-9DS	
12	9.00	20.4	620	AZ770T-1AE-12DS	
18	13.50	30.6	1,390	AZ770T-1AE-18DS	
24	18.00	40.8	2,480	AZ770T-1AE-24DS	
48 * "4 A F" does to silves tie	36.00	81.6	9,920	AZ770T-1AE-48DS	

* "1AE" denote silver tin oxide contacts.

Add suffix "E" at the end of order number for sealed version.

Add suffix "G" at the end of order number for gold plated contacts.

MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance: ± .010"

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