

# **FEATURES:**

- Switching capacity up to 40A @ 14VDC
- Small size and light weight
- PCB pin mounting available
- Suitable for automobile and lamp accessories
- Two footprint styles available



24.0x19.0x20.0mm

# **CONTACT DATA**

1A = SPST N.O.
1B = SPST N.C.
1C = SPDT
1A: 40A @ 14VDC
1B: 30A @ 14VDC, 20A @ 120VAC, 15A @ 28VDC
1C: 30A @ 14VDC, 20A @ 120VAC, 15A @ 28VDC
< 50 milliohms initial
AgCdO
360W
75VDC, 380VAC
40A

#### COIL DATA

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Coil Voltage Co		Coil Resistance		Pick Up Voltage	Release Voltage	Coil Power	Operate Time	Release Time	
VDC		$\Omega\pm$ 10%		VDC (max)	VDC (min)	W	ms	ms	
				75%	10%				
Rated	Max.	1.6W	1.9W	of rated voltage	of rated voltage				
6	7.8	22.5	19.0	4.2	0.6				
9	11.7	50.6	42.6	6.3	0.9				
12	15.6	90.0	75.8	8.4	1.2	1.6 or 1.9	5	3	
18	23.4	202.5	170.5	12.6	1.8				
24	31.2	360.0	303.2	16.8	2.4				

#### **CAUTION:**

- 1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.
- 2. Pickup and release voltages are for test purposes only and are not to be used as design criteria.

### **GENERAL DATA**

Electrical Life @ rated load	100K cycles, typical
Mechanical Life	10M cycles, typical
Insulation Resistance	100MΩ min @ 500VDC
Dielectric Strength, Coil to Contact	750V rms min. @ sea level
Contact to Contact	500V rms min. @ sea level
Shock Resistance	200m/s <sup>2</sup> for 11ms
Vibration Resistance	1.27mm double amplitude 10-40Hz
Terminal (Copper Alloy) Strength	10N
Operating Temperature	-40 °C to + 85 °C
Storage Temperature	-40 °C to + 155 °C
Solderability	230 °C ± 2 °C for 10 ± 0.5s
Weight	19g open. 21g covered

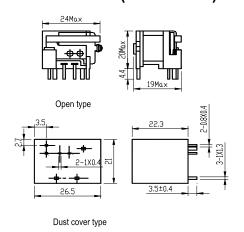
CIT RELAY Website: www.citrelay.com Tel: 763-535-2339 Fax: 763-535-2194



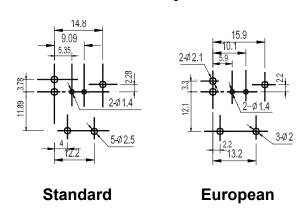
# **ORDERING INFORMATION**

1. Series:	CTA5	1A	С	40	12VDC	1.6	S
CTA5							
2.Contact Arrangement: 1A = SPST N.O. 1B = SPST N.C. 1C = SPDT							
3. Sealing Options: O = Open Frame S = Sealed C = Dust Cover							
4. Contact Ratings: 15 = 15A 30 = 30A 40 = 40A				-			
5. Coil Voltage: 6VDC 9VDC 12VDC 18VDC 24VDC							
6. Coil Power: 1.6 = 1.6W 1.9 = 1.9W							
7. PCB Layout: S = Standard E = European							

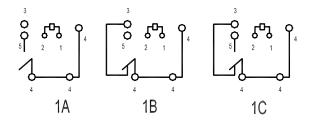
# **DIMENSIONS:** (Units = mm)



# **PCB Layout**



# **Schematic**



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