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#### **FEATURES:**

- H-Bridge contact configuration available
- Small size and light weight
- 25A switching capacity
- F Class materials standard
- QS-9000, ISO-9002 Certified Manufacturing





14.5 x 7.7 x 13.7 mm 14.5 x 14.0 x 14.3 mm

### **CONTACT DATA**

1C = SPDT
1H = H-Bridge
25A @ 14VDC
< 50 milliohms initial
AgSnO <sub>2</sub>
480W
20VDC
30A

#### **COIL DATA**

Coil Voltage VDC		e Coil Resistance $\Omega \pm 10\%$		Pick Up Voltage VDC (max)	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms
				75%	10%			
Rated	Max.	.64W	.80W	of rated voltage of	of rated voltage			
12	15.6	225	180	8.4	1.2	.64 & .80	10	5

#### **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	1500V rms min. @ sea level
Contact to Contact	1000V rms min. @ sea level
Shock Resistance	100m/s <sup>2</sup> for 11ms
Vibration Resistance	1.27mm double amplitude 10-40Hz
Terminal (Copper Alloy) Strength	4N
Operating Temperature	-40 °C to + 105 °C
Storage Temperature	-40 °C to + 155 °C
Solderability	230 °C ± 2 °C for 10 ± 0.5s
Weight	4.1g

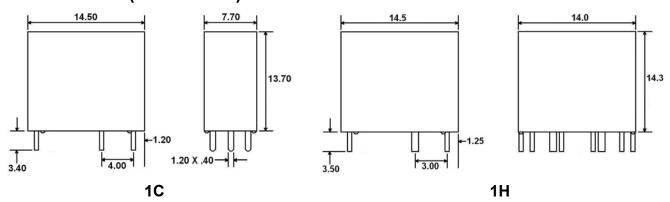


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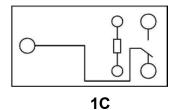
## **ORDERING INFORMATION**

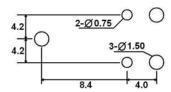
1. Series:	CTA16	1C	S	12VDC	.64
CTA16					
2.Contact Arrangement:					
1C = SPDT					
1H = H-bridge					
3. Sealing Options:					
S = Sealed					
C = Dust Cover					
4. Coil Voltage:					
12VDC					
5. Coil Power:					
.64 = .64W					
.80 = .80W					

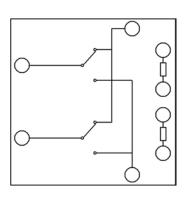
# **DIMENSIONS (Units = mm)**

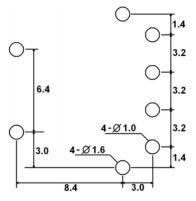


# SCHEMATICS & PC LAYOUTS (BOTTOM VIEWS)









1H