

RoHS Compliant



16.9 x 14.5 x 19.5 mm

Features

- Low coil power consumption
- Switching current up to 20A with small size and light weight
- Suitable for household appliances, automotive applications

Contact Data*

| Contact | 1A & 1U = SPST N.O. | 1 [| Contact Resistance | < 30 milliohms initial |
|----------------|---|-----|-----------------------|------------------------|
| Arrangement | 1C & 1W = SPDT | | Contact Material | AgSnO ₂ |
| Contact Rating | 1A & 1C = 10A @ 120VAC, 28VDC & 20A @ 14VDC | | Max Switching Power | 1A & 1C : 280W |
| | 1U & 1W = 2x10A @ 120VAC, 28VDC | | | 1U & 1W : 2x280W |
| | = 2x20A @ 14VDC | | Max Switching Voltage | 380VAC, 75VDC |
| | | | Max Switching Current | 20A |

Coil Data*

| | oltage DC | Coil Resistance Ω +/- 10% | Pick Up Voltage VDC (max) 70% of rated | Release Voltage VDC (min) 10% of rated | Coil Power W | Operate Time ms | Release Time ms |
|-------|--------------|------------------------------|--|--|-----------------|--------------------|--------------------|
| Rated | Max | | voltage | voltage | | | |
| 12 | 15.6 | 145 | 8.40 | 1.2 | 1.00 | 1.00 15 | 5 |
| 24 | 31.2 | 576 | 16.80 | 2.4 | 1.00 | | |

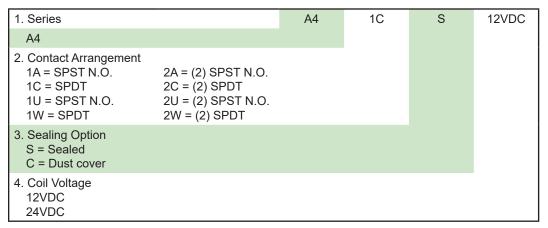
General Data*

| Electrical Life @ rated load | 100K cycles, average | | | |
|--------------------------------------|------------------------------------|--|--|--|
| Mechanical Life | 10M cycles, average | | | |
| Insulation Resistance | 100M Ω min. @ 500VDC initial | | | |
| Dielectric Strength, Coil to Contact | 1500V rms min. @ sea level initial | | | |
| Contact to Contact | 750V rms min. @ sea level initial | | | |
| Shock Resistance | 100m/s ² for 11 ms | | | |
| 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 | 260°C for 5 s | | | |
| Weight | 12g & 24g | | | |

^{*} Values can change due to the switching frequency, desired reliability levels, environmental conditions and in-rush load levels. It is recommended to test actual load conditions for the application. It is the user's responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

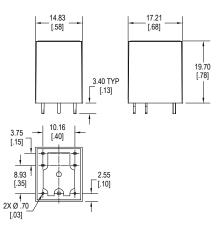


Ordering Information



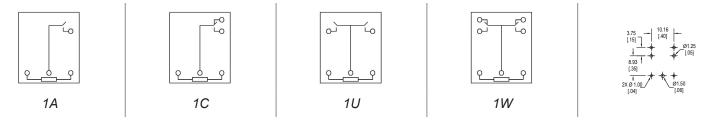
Dimensions





Schematics & PC Layouts

Bottom Views



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www.citrelay.com phone - 763.535.2339 fax - 763.535.2194

Dimensions shown in mm. Dimensions are shown for reference purposes only.