

RoHS Compliant

16.9 x 14.5 (29.7) 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
- Dual relay available

Contact Data

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

Coil Data

| Coil Voltage VDC | | Coil Resistance Ω +/- 10% | Pick Up Voltage VDC (max) 70% of rated voltage | Release Voltage VDC (min) 10% of rated voltage | Coil Power W | Operate Time ms | Release Time ms |
|------------------|------|---------------------------|---|---|--------------|-----------------|-----------------|
| Rated | Max | | | | | | |
| 5 | 6.5 | 25 | 3.50 | .5 | 1.00 | 15 | 5 |
| 6 | 7.8 | 36 | 4.20 | .6 | | | |
| 9 | 11.7 | 85 | 6.30 | .9 | | | |
| 12 | 15.6 | 145 | 8.40 | 1.2 | | | |
| 18 | 23.4 | 342 | 12.60 | 1.8 | | | |
| 24 | 31.2 | 576 | 16.80 | 2.4 | | | |

General Data

| | |
|--|---|
| Electrical Life @ rated load | 100K cycles, typical |
| Mechanical Life | 10M cycles, typical |
| Insulation Resistance | 100M Ω min. @ 500VDC |
| Dielectric Strength, Coil to Contact Contact to Contact | 1500V rms min. @ sea level 750V rms min. @ sea level |
| 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 |

Caution

1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

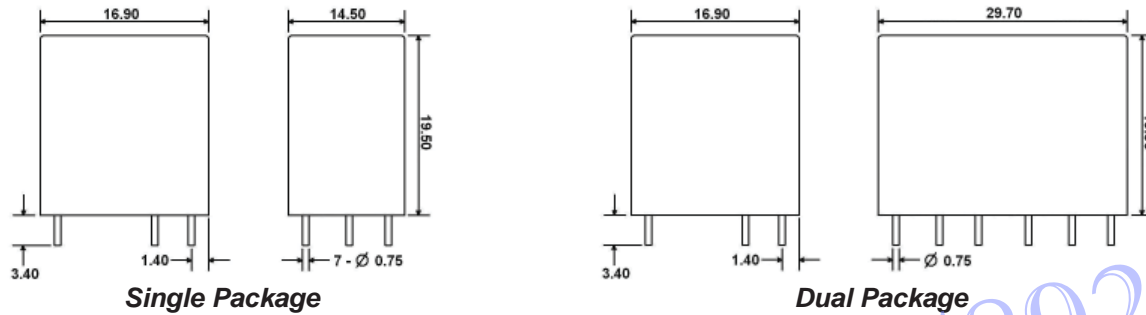
A4

Ordering Information

| | | | | |
|------------------------|--|----|---|-------|
| 1. Series | A4 | 1C | S | 12VDC |
| 2. Contact Arrangement | 1A = SPST N.O. 1C = SPDT 1U = SPST N.O. 1W = SPDT 2A = (2) SPST N.O. 2C = (2) SPDT 2U = (2) SPST N.O. 2W = (2) SPDT | | | |
| 3. Sealing Option | S = Sealed C = Dust cover | | | |
| 4. Coil Voltage | 5VDC 6VDC 9VDC 12VDC 18VDC 24VDC | | | |

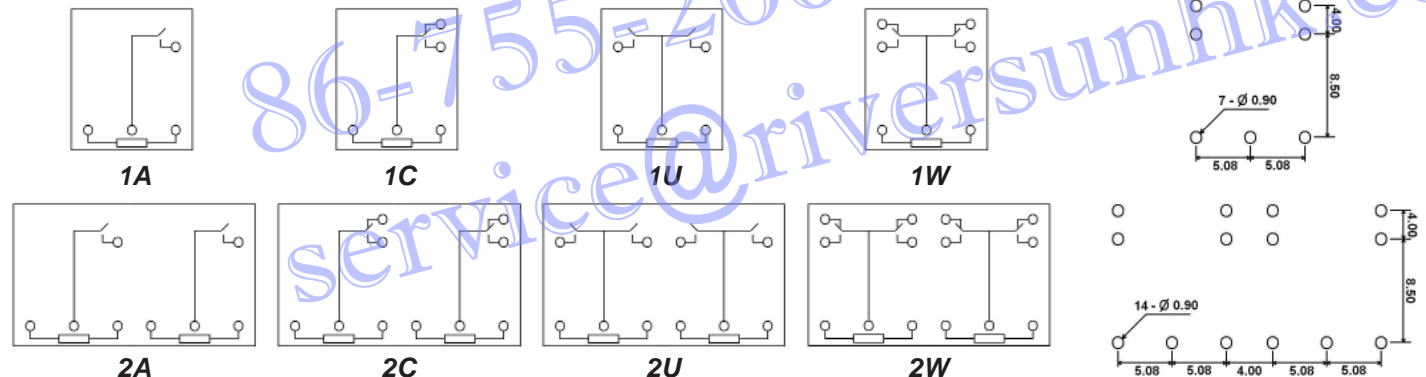
Dimensions

Units = mm



Schematics & PC Layouts

Bottom Views



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

Specifications and availability subject to change without notice.