

RoHS Compliant

16.5 x 15.5 x 24.3 mm

Features

- Switching capacity up to 30A
- Small size and light weight
- Suitable for automobile and lamp accessories

Contact Data*

| | |
|---------------------|--------------------------------------|
| Contact Arrangement | 1A = SPST N.O. |
| Contact Rating | 20A @ 14VDC N.O. 30A @ 14VDC N.O. |
| Contact Resistance | ≤ 50 milliohms initial |
| Contact Material | AgSnO ₂ |

| | |
|---------------------------|-------|
| Maximum Switching Power | 280W |
| Maximum Switching Voltage | 75VDC |
| Maximum Switching Current | 30A |

Coil Data*

| Coil Voltage VDC | | Coil Resistance Ω +/- 10% | Pick Up Voltage VDC (max) | Release Voltage VDC (min) | Coil Power W | Operate Time ms | Release Time ms |
|------------------|------|---------------------------|---------------------------|---------------------------|--------------|-----------------|-----------------|
| Rated | Max | .96W | 70% of rated voltage | 10% of rated voltage | 0.96 | ≤10 | ≤5 |
| 12 | 15.6 | | 150 | 9.0 | | | |
| 24 | 31.2 | 600 | 18.0 | 2.4 | | | |

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 | 750V rms min. @ sea level initial |
| Contact to Contact | 5000V rms min. @ sea level initial |
| Shock Resistance | 98m/s ² for 11 ms |
| Vibration Resistance | 1.5mm double amplitude 10~55Hz |
| Operating Temperature | -40°C to +85°C |
| Storage Temperature | -40°C to +85°C |
| Solderability | 260°C for 5 s |
| Weight | 13g |

* 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.

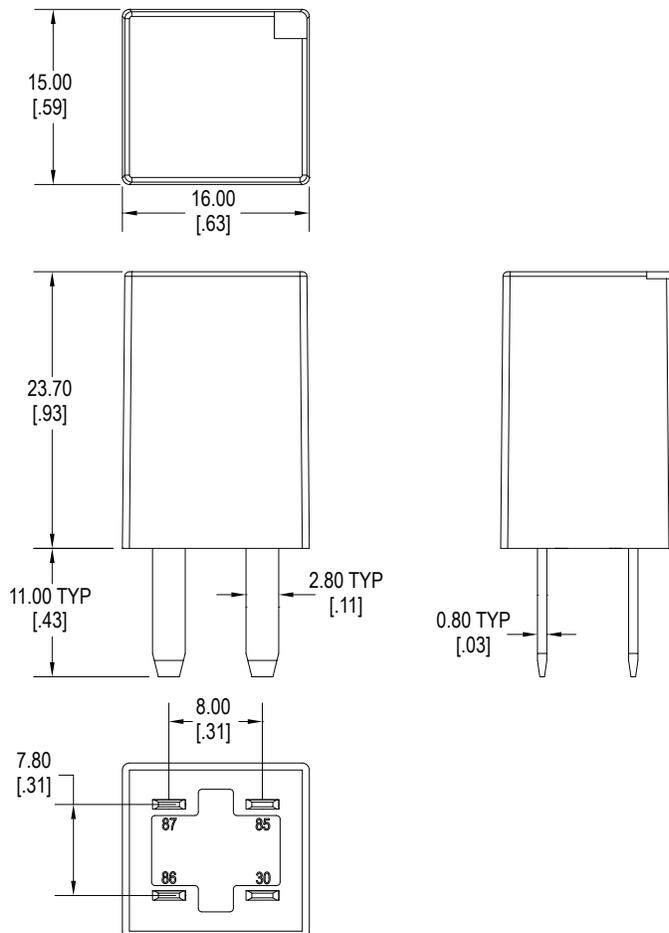
A17

Ordering Information

| | | | | | |
|------------------------|--|----|---|-------|-----|
| 1. Series | A17 | 1A | S | 12VDC | .96 |
| A17 | | | | | |
| 2. Contact Arrangement | 1A = SPST N.O. (20A contacts) 1AH - SPST N.O. (30A contacts) | | | | |
| 3. Sealing Option | S = Sealed | | | | |
| 4. Coil Voltage | 12VDC 24VDC | | | | |
| 5. Coil Power | .96 = .96W | | | | |
| 5. Coil Suppression | Blank = Standard R = Resistor (1100 for 12VDC, 4300 for 24VDC) D = Diode (IN4007) Cathode on "86" terminal | | | | |

Dimensions

Units = mm



Schematics & PC Layouts

Bottom Views

