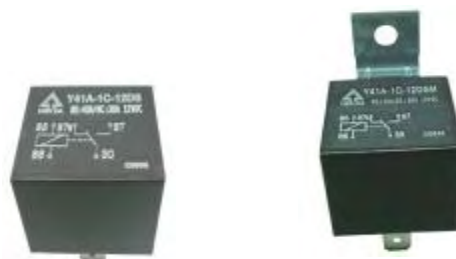


FEATURES

- Max. switch capacity up to 30/40/60A;
- High Load current is available;
- P.C.B. mounting or Quick Connect Terminals;
- 1 Form A 、1 Form C and 1 Form U arrangements;
- Optional metal bracket;
- Sealed Type relay.



CONTACT RATINGS

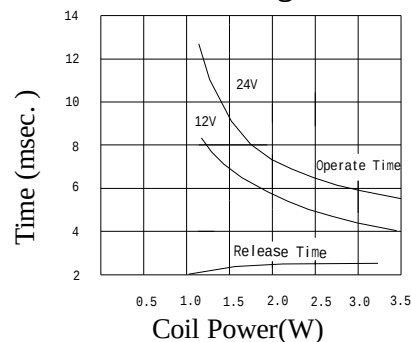
- Contact Arrangement.....1 Form A (SPST-NO)
.....1 Form C (SPDT)
.....1 Form U
(SPST-NO, NO with 2 Terminals)
- Max. Switching Power.....480W
- Max. Switching Voltage.....12VDC
- Max. Switching Current.....40A
- Contact Resistance..... $\leq 50m\Omega$
- Rating Load
 - Y41(1 Form A).....30A 12VDC
 - Y41(1 Form C).....NO: 30A / NC: 20A 12VDC
 - Y41(1 Form U).....30A 12VDC
 - Y41A(1 Form A).....40A 12VDC
 - Y41A(1 Form C)..... NO: 40A / NC: 30A 12VDC
 - Y41A(1 Form U).....40A 12VDC
 - Y41B(1 Form A).....60A 12VDC
 - Y41B(1 Form C)..... NO: 60A / NC: 40A 12VDC
 - Y41B(1 Form U)60A 12VDC
- Contact Material.....Ag Alloy

CHARACTERISTICS

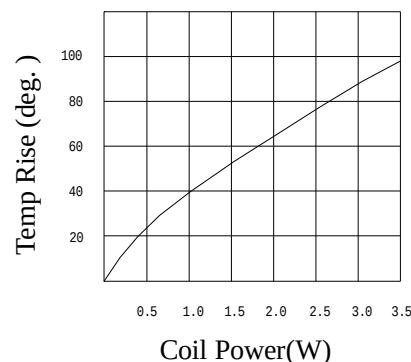
- Electrical Life..... 1×10^5
- Mechanical Life..... 1×10^7
- Initial Insulation Resistance
..... $\geq 100M\Omega$ 500VDC
- Contact Resistance..... $\leq 50m\Omega$
- Operate Time..... $\leq 10ms$
- Release Time..... $\leq 10ms$
- Initial Dielectric Strength
.....50/60Hz 500VAC 1min (between open contact)
.....50/60Hz 500VAC 1min (between all conductors)

Y41 Referential Data

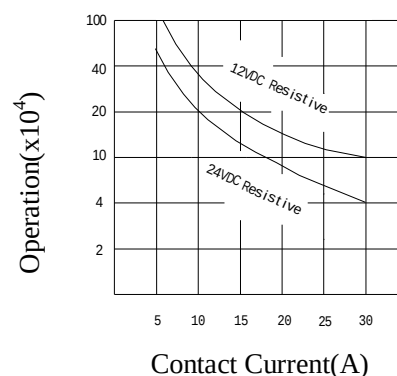
Timing



Coil Temperature Rise



Life Curves



● Vibration Resistance

.....Malfunction: 10~40Hz at Double Amplitude of 1.27mm

.....Destructive: 10~40Hz at Double Amplitude of 1.27mm

● Shock Resistance

.....Malfunction: 10G (11ms) / Destructive: 100G (6ms)

● Ambient Temperature.....-40℃~+85℃

● Relative Humidity.....85% at 40℃

● Unit Weight.....Approx.30g

ORDERING INFORMATION

Y41 A- 1C - 12 D S P M - D
1 2 3 4 5 6 7 8 9

Optional..... Nil: General Type

.....R: Coil with Resistance

.....D: Coil with Diode

Dust Cover Type..... Nil: Standard Dust Cover

.....M: Mounting Bracket Dust Cover

Terminal Form.....Nil: Standard Type

.....P: P.C.B. Type

Enclosure.....Nil: General type

.....S: Sealed Type

Coil Type.....D: DC

Coil Voltage.....6~24V

Contact Arrangement.....1A: 1 form A (SPST-NO)

.....1C: 1 form C (SPDT)

.....1U: 1 Form U

(SPST-NO, NO with 2 Terminals)

Contact Rating..... Nil: 30A

.....A: 40A

.....B: 60A

Model Number.....Y41

COIL RATINGS (at20℃)

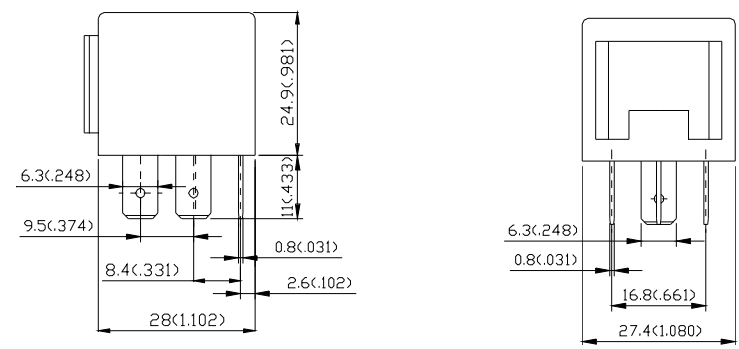
Coil Type	Coil Normal Voltage (V)	Coil Resistance ($\Omega \pm 10\%$)	Pick-Up Voltage (V)≤	Drop-Out Voltage(V)≥	Nominal Current (mA)
DC Standard Coil	6	22.5	3.6	0.6	267
	12	90	7.2	1.2	133
	24	360	14.4	2.4	67

* Max Continuous Voltage at 20℃; 110% of Coil Nominal Voltage

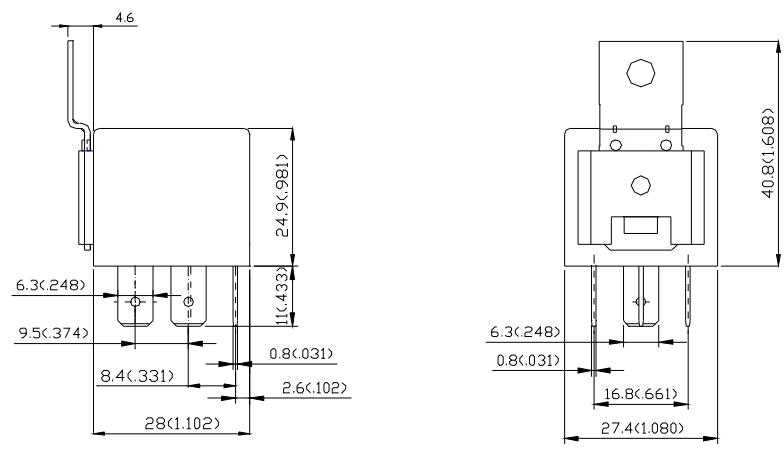
OUTLINE DIMENSIONS

Socket Terminal

Standard Dust Cover

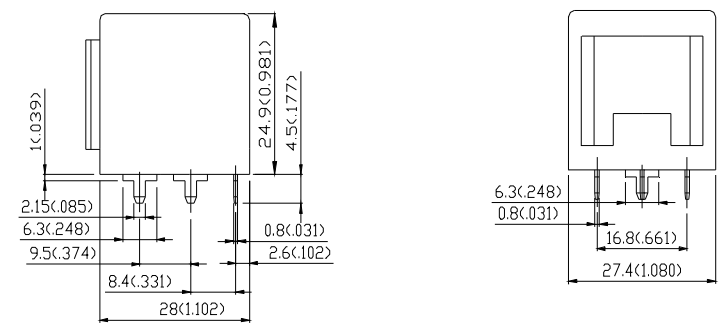


Mounting Bracket Dust Cover

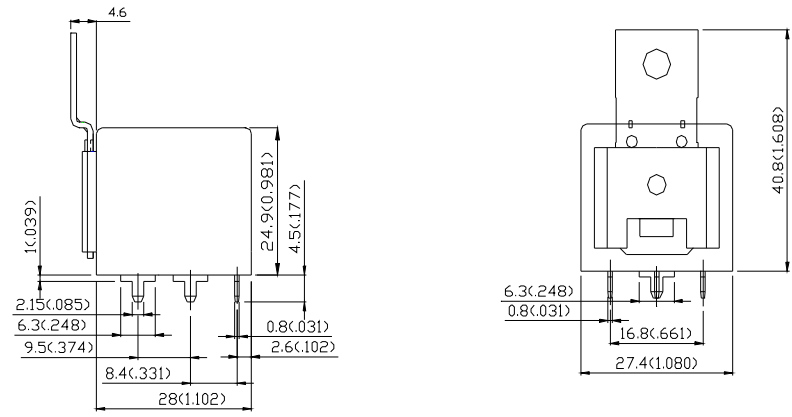


PCB Terminal

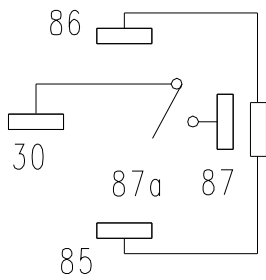
Standard Dust Cover



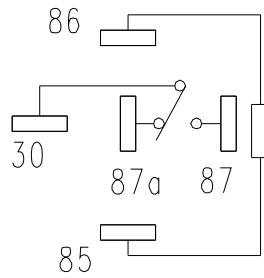
Mounting Bracket Dust Cover



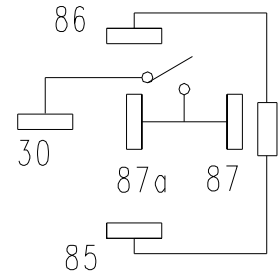
Internal Connections (Bottom View)



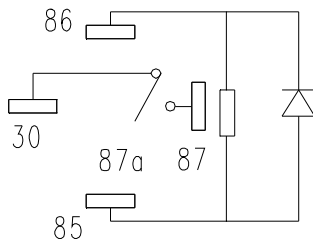
1A



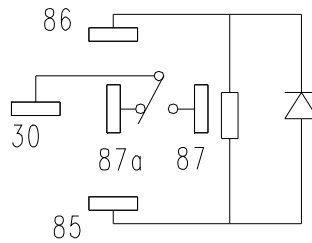
1C



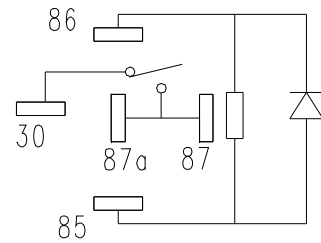
1U



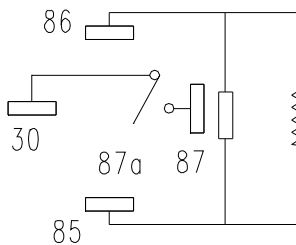
1A (Coil with Diode)



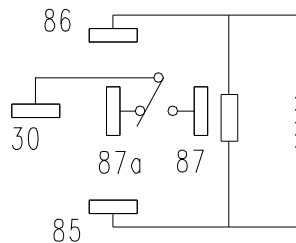
1C (Coil with Diode)



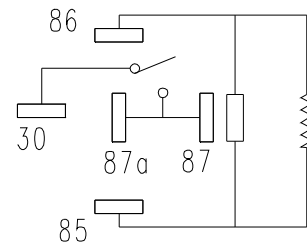
1U (Coil with Diode)



1A (Coil with Resistance)

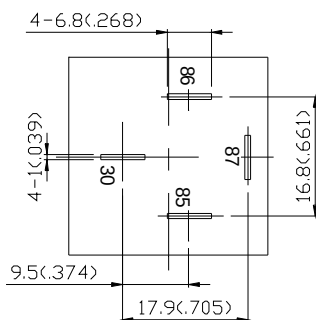


1C (Coil with Resistance)

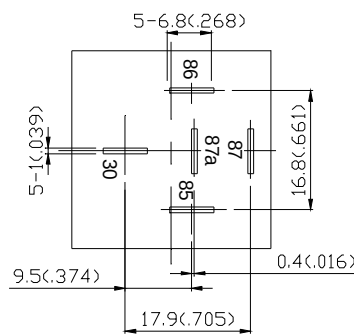


1U (Coil with Resistance)

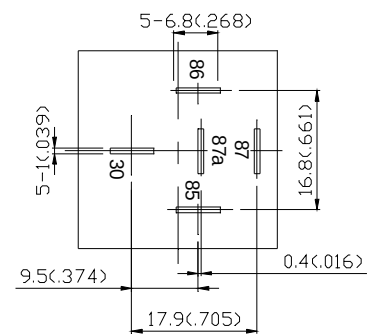
Drilling Plan (Bottom View)



1A

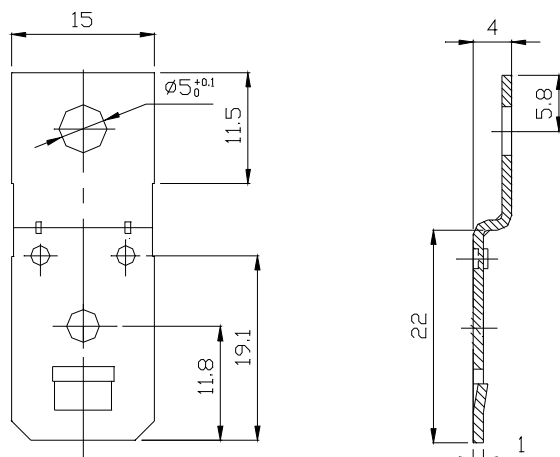


1C



1U

Bracket



REMARK: Tolerance of outline dimensions: $\pm 0.2(.008)$

UNIT: mm (inch)