



42.5x35x44.5

Features

- 40A switching capability
- Extended temp.range up to 85°C
- 1 Form A 、 1 Form C contact arrangement
- Sealing type and snap type
- Transient suppressor

CONTACT DATA

Contact arrangement	A: Form A C: Form C
Limiting continuous current	NO/NC 50/40A (23°C)
Min. contact load	1A 6VDC
Initial voltage drop	NO 15/200mV
NO/NC contact at 10A, typ./max	NC 20/250mV
Contact material	Ag Alloy
Operate/release time typ.	15/10ms
Frequency of operation at nominal load	10 ops./min
resistive load, NO/NC contact	40/30A 14VDC
Electrical endurance	1x10 ⁵ ops (23°C)
Mechanical endurance	1x10 ⁷ ops (23°C)

GENERAL DATA

Insulation Resistance	100MΩ min. at 500VDC
Initial dielectric strength	500VAC 1 min
Vibration resistance	10-55 Hz
Shock resistance	98m/S ²
Protection to heat and fire	UL94-HB or better8
Degree of protection	IP54 (dustproof)
Temperature cycling	10 cycles, -40/+85°C (5°C/min)
Climatic cycling with condensation	6 cycles, storage 8/16h
Termination	QC
Terminal retention	80N
Package form	Hermetic type、Snap type

COIL DATA

23°C

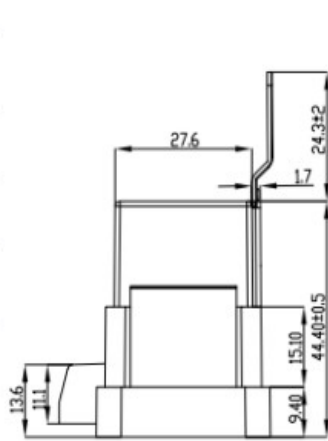
Nominal voltage VDC	Pick-up Voltage VDC max	Drop-out Voltage VDC min	Coil resistance x(1±10%) Ω	Parallel resistance x(1±5%) Ω	Equivalent resistance x(1±10%) Ω	Power consumption W
24	16.8	2.4	338	—	—	1.7

ORDERING INFORMATION

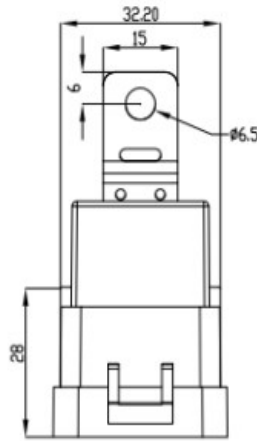
Type	ZT621	-24V	-C	-	-	-T	-40A
Coil voltage	12V:DC12V 、 24V:DC24V						
Contact arrangement	A: Form A C: Form C						
Parallel coil components	R:Parallel transient suppression resistors D:Parallel transient suppression diode,with anode connected to termina#85 Nil:Without parallel componets						
Package form	M: Hermetic type Nil: Snap type						
Structure form	G:No back S:Plastic back T:Iron back						
Contact rated resistive load	40/30A 14VDC						



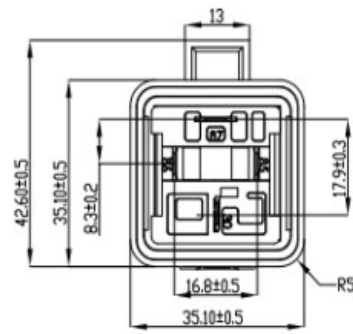
OUTLINE DIMENSIONS AND WIRING DIAGRAM



Standard

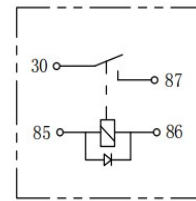
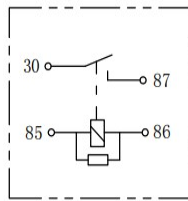
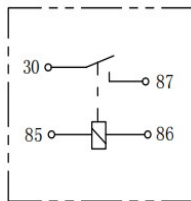


Shunt resistance

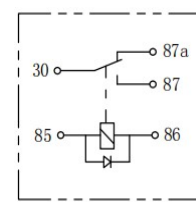
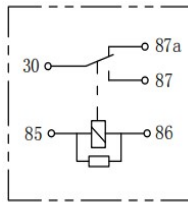
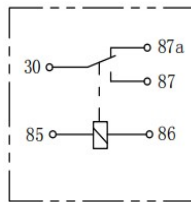


Parallel Diode

Form A

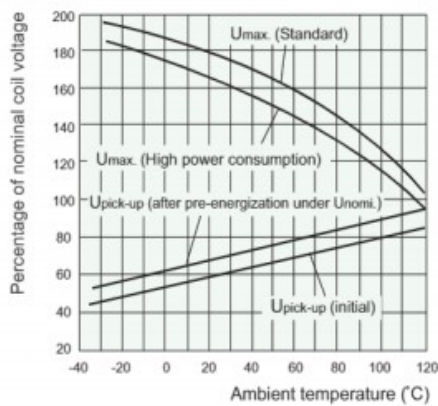


Form C



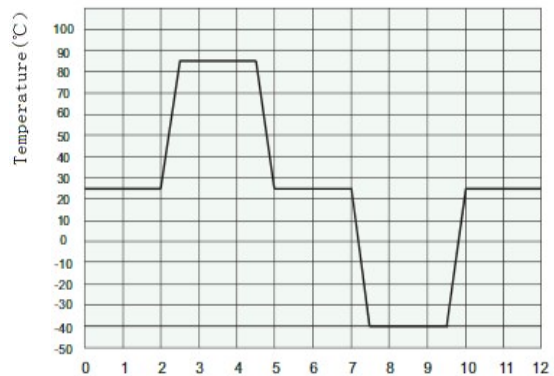
CHARACTERISTIC CURVES

1. Coil operating voltage range



- 1) There should be no contact load applied when maximum continuous operation voltage is applied on coil.
- 2) The operating voltage is connected with coil energized time and voltage. After energized, the operating voltage will increase.
- 3) The maximum allowable coil temperature is 180°C. For the coil temperature rise which is measured by resistance is average value, we recommend the coil temperature should be below 170°C under the different application ambient, different coil voltage and different load etc.

2. Ambient temperature curve electrical endurance test
Ambient temp.curve(one cycle)



- 1) The minimum temperature in -40°C.
- 2) The maximum temperature in 85°C

