



HANDOUK

HT4

■ FEATURES

- * 100A switching capability.
- * Strong resistance ability to shock & vibration
- * Heavy load up to 27.7kVA
- * 4kV dielectric strength between coil and contacts.
- * Micro switch on mounting board available.



■ CONTACT DATA

Contact Arrangement	1 Form A (SPST)	
Voltage drop ²⁾	Typ.: 50mV (at 10A) Max.:250mV (at 10A)	
Contact material	AgSnO ₂ , AgCdO	
Contact Ratings(Res. Load)	100A 277VAC/28VDC	
Max Switching Voltage	440VAC / 45VDC	
Max Switching Current	100A	
Max Switching Power	27,700VA / 2,800W	
Life Expectancy	Electrical□2 x 10 ⁴ ops	
	Mechanical□1 x 10 ⁵ ops	

■ CHARACTERISTICS

Insulation Resistance		100MΩ
Dielectric Strength between	coil & contacts	4,000VAC 1 min.
	open contacts	2,000VAC 1 min.
Creepage distance		8 mm
Operate Time		20 ms max.
Release time		20 ms max.
Shock Resistance	Functional	100m/s ²
	Destructive	1,000m/s ²
Vibration Resistance		10Hz to 55Hz 1.0mm DA
Humidity		98% RH, 40°C
Ambient temperature		-40°C ~ 70°C

Termination	PCB & QC
Unit weight	Approx 100g
Construction	Dust protected

■COIL DATA

Nominal Voltage (VDC)		Coil resistance $\pm 10\%$ Ω		Pick-up voltage VDC	Pulse Duration ms	Coil Power
Standard	6	Single coil	16	≤ 4.8	200	2.4W
	12		60	≤ 9.6	200	
	24		250	≤ 19.2	200	
	48		1000	≤ 38.4	200	
	6	Double coil	8+8	≤ 4.8	200	4.8W
	12		30+30	≤ 9.6	200	
	24		125+125	≤ 19.2	200	
	48		500+500	≤ 38.4	200	

Notes: 1) The data shown above are initial values.

2) Equivalent to the max. Initial contact resistance is $50\text{m}\Omega$ (at 1A 24VDC), and measured when coil is energized with 100% nominal voltage at 25°C.

3) When requiring other nominal voltage, special order allowed.

4) Max. allowable coil voltage is recommended in 130%.

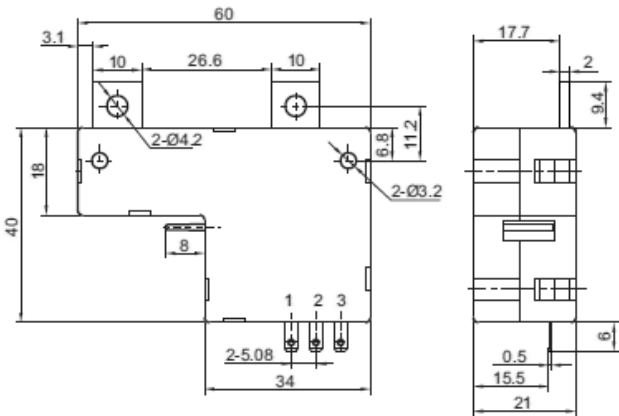
Notice

- Relay is on the "set" status when being released from stock, with the consideration of shock risen from transit and relay mounting, relay would be changed to "reset" status, therefore, when application (connecting the power supply), please reset the relay to "set" or "reset" status on request.
- In order to maintain "set" or "reset" status, energized voltage to coil should reach the rated voltage, impulse width should be 5 times more than "set" or "reset" time. Do not energize voltage to "set" coil and "reset" coil simultaneously. And also long energized time (more than 1 min) should be avoided.
- The terminals of relay without twisted copper wire can not be tin-soldered, can not be moved willfully, more over two terminals can not be fixed at the same time.

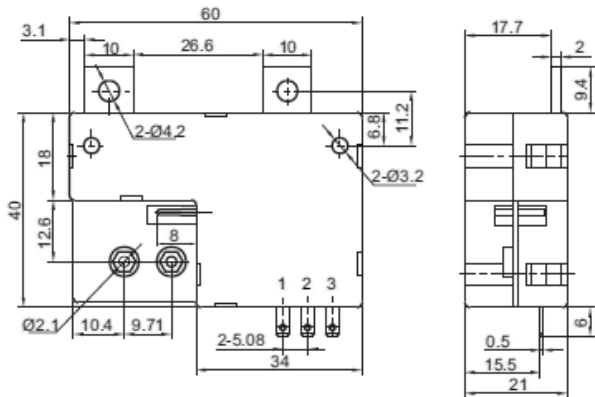
Remark : In case of no tolerance shown in outline dimension : Outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; Outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline

dimension 5mm, tolerance should be ±0.4mm.

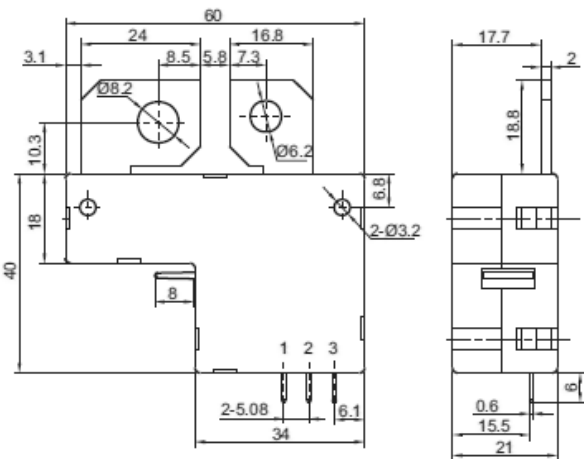
Type B contact terminal, Without micro switch



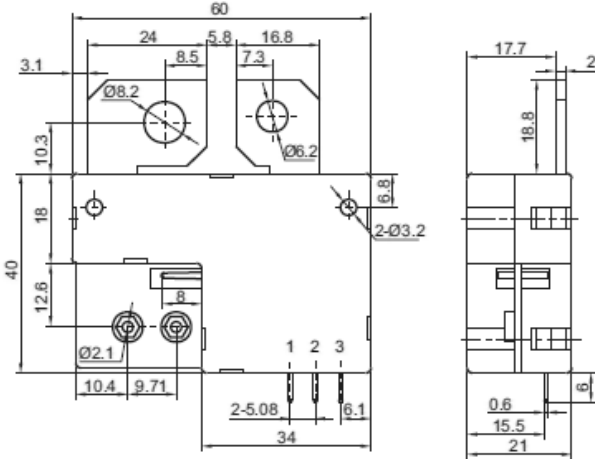
Type B contact terminal, With micro switch



Type C contact terminal, Without micro switch

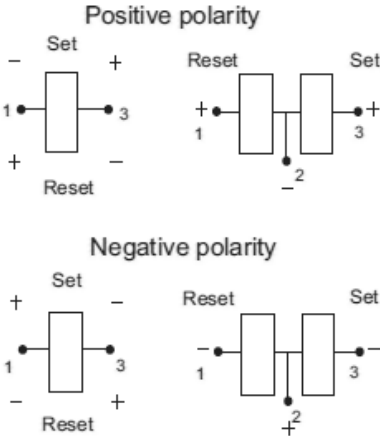
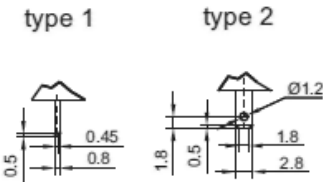


Type C contact terminal, With micro switch



Coil Wiring Diagram

Coil Terminal Type



PCB Layout

