

**Features:**

- Switching capability: 20A, low power consumption:0.6W
- Microminiature, standard PCB type;
- High vibration and shock resistance.

Typical Applications:

- Auto door lock motor control, home appliances, office equipment, anti-theft system, etc.

Contact Data

Contact Form	1A、1B、1C、1U	
Contact Material	Silver Alloy	
Switching Capacity (Resistive Load)	NO: 20A/14VDC, 10A/120VAC, 5A/250VAC NC: 15A/14VDC, 10A/120VAC, 5A/250VAC	1U: 2x10A 14VDC
Max. switching power	280W 1250VA	
Max. switching voltage	42VDC 380VAC	
Max. switching current	20A	
Contact Resistance	$\leq 50\text{m}\Omega$	
Endurance	Electrical	1×10^5
	Mechanical	1×10^7

Coil Data

Coil Voltage (VDC)	Coil Resistance (Ω) ± 10%	Max. Allowable Voltage	Pick-up Voltage (max)	Drop-out Voltage (min))	Coil power	Operate time (ms)	Release time (ms)
6	60	110% of coil voltage	80% of coil voltage	5% of coil voltage	Approx. 0.6W/0.8W	≤10	≤5
9	135						
12	240						
24	960						
12	167				0.86W		

Characteristic Data

Initial insulation resistance		100M Ω min(at 500VDC)
Initial dielectric strength	Between open contacts	50/60Hz AC500V
	Between coil and contact	50/60Hz AC500V
Shock resistance		100m/s ² 11ms
Vibration resistance		10~55Hz at double amplitude of 1.5mm
Terminal Strength		10N
Solderability		235℃ $\pm 2^\circ\text{C}$ 3 ± 0.05 s
Ambient Environment		-40~85℃
Unit weight		6g

Ordering information

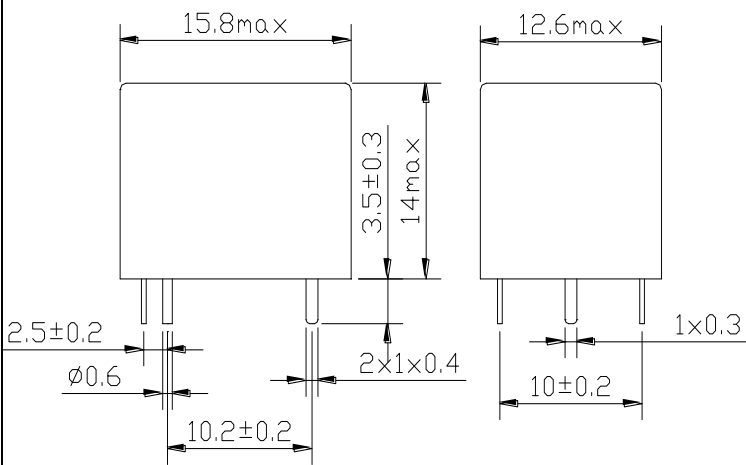
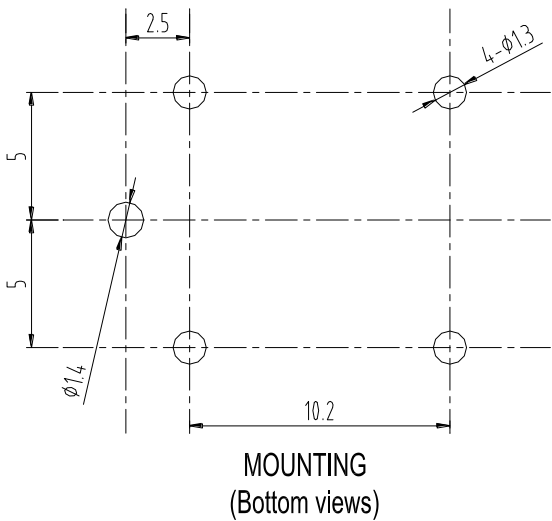
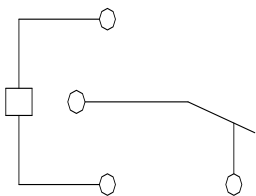
QX78 C S 20 DC12V 0.6

Coil power: 0.6:0.6W; 0.8:0.8W; 0.86:0.86W
Coil Voltage: DC6V、DC9V、DC12V、DC24V

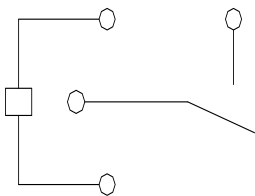
Contact Loaded Current: 20-20A; 10-10A;
Protective Construction: Nil-dust cover; S-sealed
Contact Form: A-1A; B-1B; C-1C; U-1U

Type Designation: QX78

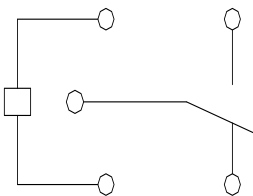
Outline Dimensions, Mounting, Wiring Diagram (Unit: mm)



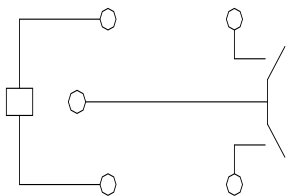
1A



1B



1C



1U

Wiring diagram
(Bottom views)

Characteristic Curves

