



QXVF4-3



QXVF4-4

Features:

- 60A high switching capability;
- 1U contact configuration available;
- Quick connect & PCB terminals available;
- Resistor or diode paralleled type available;

Typical Applications:

- Automotive control equipment

Contact Data

Contact Form		1A、1B、1C、1U			
Contact Material		Silver Alloy			
Switching Capacity (Resistive Load)		1A	1B	1C	1U
		60A/40A 14VDC	30A/50A 14VDC	NO:40A/60A 14VDC NC:30A/50A 14VDC	2x25A 14VDC
Max. switching power		840W			
Max. switching voltage		75VDC			
Max. switching current		60A			
Contact Resistance		≤50mΩ			
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 (W)	Operate time (ms)	Release time (ms)
6	20	130% of coil voltage	70% of coil voltage	10% of rated voltage	Approx 1.8	≤7	≤5
12	80						
24	320						

Characteristic Data

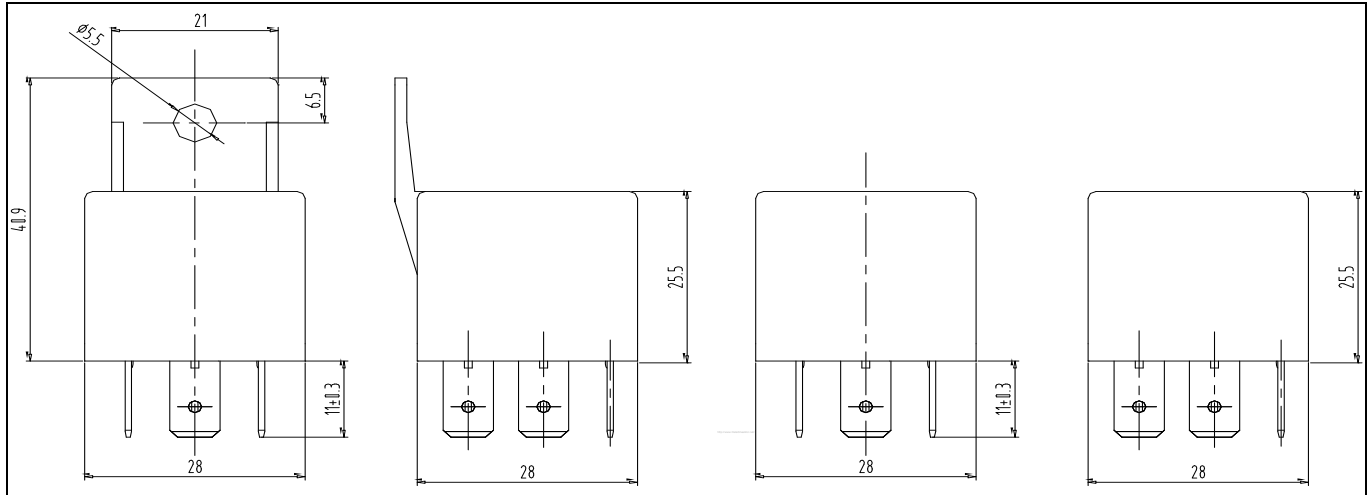
Initial insulation resistance		100MΩ min(at 500VDC)
Initial dielectric strength	Between open contacts	50/60Hz AC500V
	Between coil and contact	50/60Hz AC500V
Shock resistance		147m/s ² 11ms
Vibration resistance		10~40Hz at double amplitude of 1.5mm
Terminal Strength		100N(Plug-in type), 10N (PCB type)
Solderability		230℃ ±2℃ 3±0.05s
Ambient Environment		-40~125℃
Unit weight		48g (QXVF4-3); 46g (QXVF4-4)

Ordering Information

QXVF4-3 C Z 40 b T DC12V N 1.8 D

- Accessory Type: D-with diode; 2D-with two diodes; R-with resistor; DR-with diode & resistor; Nil-No accessory
- Coil Power: 1.8W
- Contact Material: Nil-Ag • SnO₂; N-AgNi; C-Ag • CdO
- Coil Voltage: DC6V、DC12V、DC24V
- Bracket Type: Nil-plastic bracket; T-iron bracket
- Terminal Form: b-PCB; a-Plug-in;
- Contact Loaded Current: 30-30A; 40-40A; 50-50A; 60-60A;
- Protective Construction: Z-dust cover; F-flux proofed; S-sealed
- Contact Form: A-1A; B-1B; C-1C; U-1U
- Type Designation: QXVF4-3、QXVF4-4

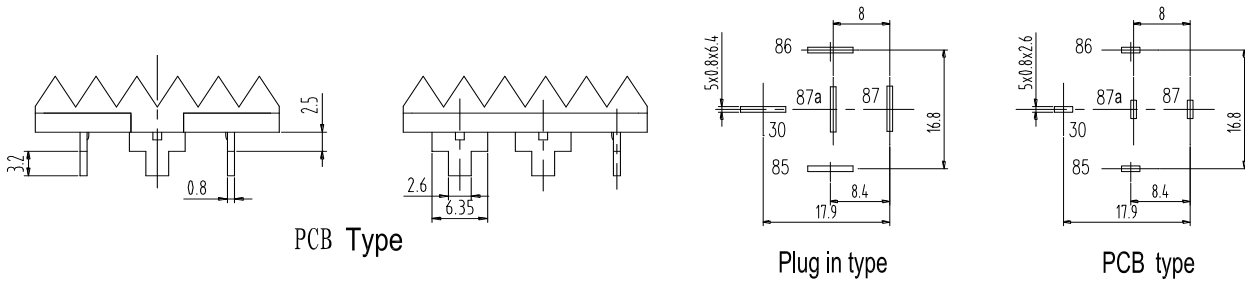
Outline Dimensions, Mounting, Wiring Diagram (Unit: mm)



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Dimensions

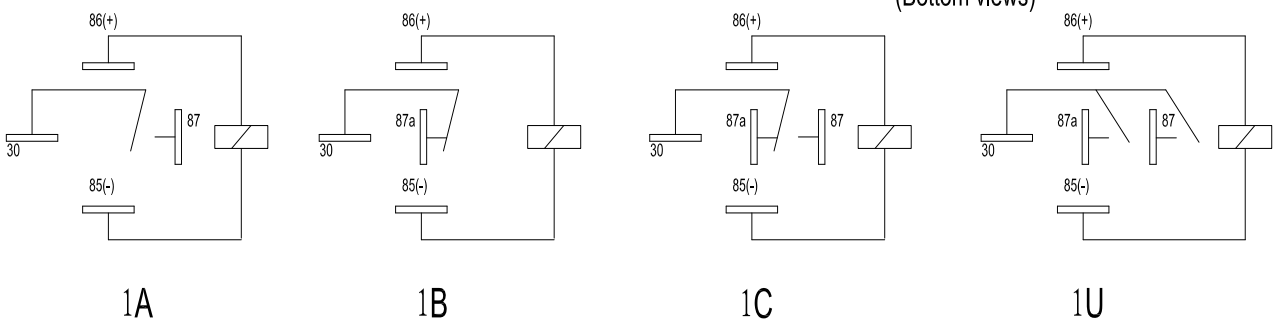


PCB Type

Plug in type

PCB type

**MOUNTING
(Bottom views)**



1A

1B

1C

1U

**Wiring diagram
(Bottom views)**

Characteristic Curves

