



- High contact capacity: 40A
- Quick connect
- Low temperature rise
- Epoxy sealed version available

## SPECIFICATIONS

### Contact

Arrangement	1a,1c,2a		
Contact material	Silver alloy		
Contact resistance (1A6VDC)	50mΩ Max.		
Rating Resistance load (cos φ =1)	1a,2a	1c(NC./NO.)	
		Standard	High Capacity
	40A 14VDC	20A/30A 14VDC	30A/40A 14VDC
Max. Switching voltage	75VDC		
Max. Switching current	60A		
Max. switching power	560W		
Expected Life (min.ope)	Mechanical (at 180 cpm)	1X10 <sup>7</sup>	
	Electrical (at 20 cpm)	1X10 <sup>5</sup>	

### Coil

Nominal operating power	12VDC	1.8W
	24VDC	2.2W

### Characteristics

Operate Time	10 msec. Max.	
Release Time	10 msec. Max.	
Operating humidity	45 to 85%RH	
Initial breakdown voltage	Between contact and coil	500VAC (50/60Hz) for 1 min.
	Between open contacts	500VAC (50/60Hz) for 1 min.
Insulation resistance	100MΩ Min.(500VDC)	
Ambient temperature	-40°C ~ +85°C	
Shock resistance	Functional	10G Min.
	Destructive	100G Min.
Vibration resistance	Functional	10 TO 55 Hz at double Amplitude of 1.5mm
	Destructive	10 TO 55 Hz at double Amplitude of 1.5mm
Insulation withstand Voltage	5000V 1.2X50 μs (between coil and contacts)	
Unit weight	Approx. 2.7g	

## TYPICAL APPLICATIONS

Car control switching.

## ORDERING INFORMATION

Type	Number of poles	Coil voltage	Coil sensitivity	Contact form	Case form	Special marker
SARE	1:1 pole 2:2 pole	12,24	D:2.2W L:1.8W	M:1 Form A Nil:1 Form C U:2 Form A	F:flange case type Nil:No Bracket	R: Resistance D: Diode

# COIL(at 20°C)

SARE

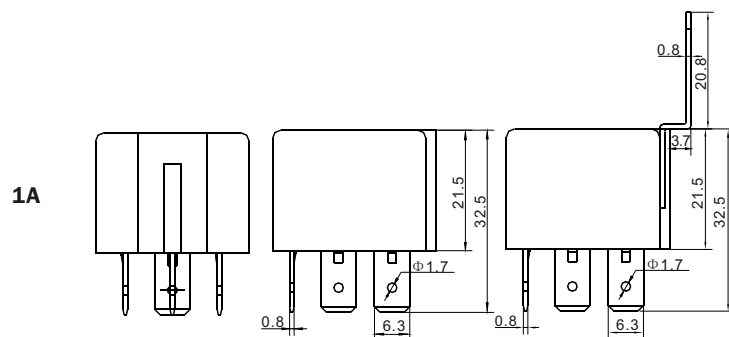
Voltage code	Nominal voltage (VDC)	Nominal current (mA)	Coil resistance ( $\Omega \pm 10\%$ )	Drop-out voltage (VDC)	Pick-up voltage (VDC)	Nominal operating power (W)	Max allowable voltage (VDC)
12	12	141.18	85	10% Min.	70% Max.	1.8	130% of nominal voltage
24	24	92.31	260				

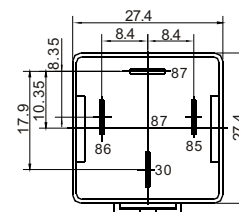
Voltage code	Nominal voltage (VDC)	Nominal current (mA)	Coil resistance ( $\Omega \pm 10\%$ )	Drop-out voltage (VDC)	Pick-up voltage (VDC)	Nominal operating power (W)	Max allowable voltage (VDC)
12	12	141.18	85	10% Min.	70% Max.	2.2	130% of nominal voltage
24	24	92.31	260				

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT(unit:mm)

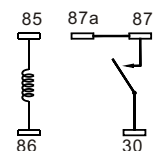
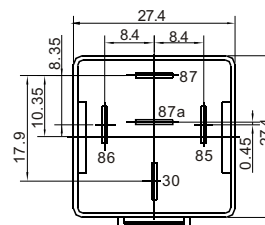
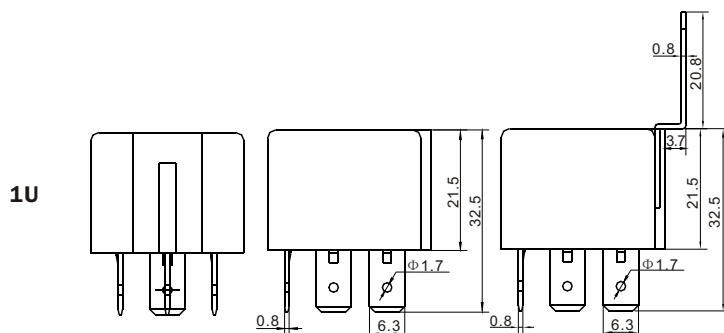
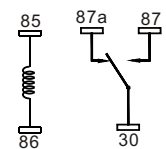
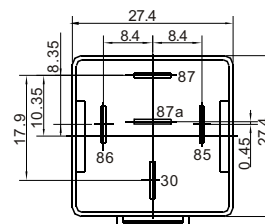
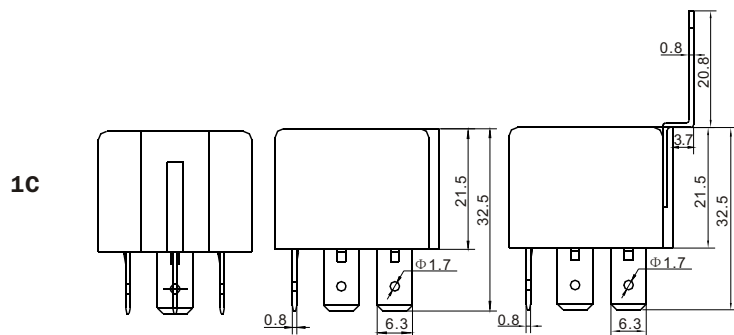
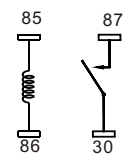
### Standard type



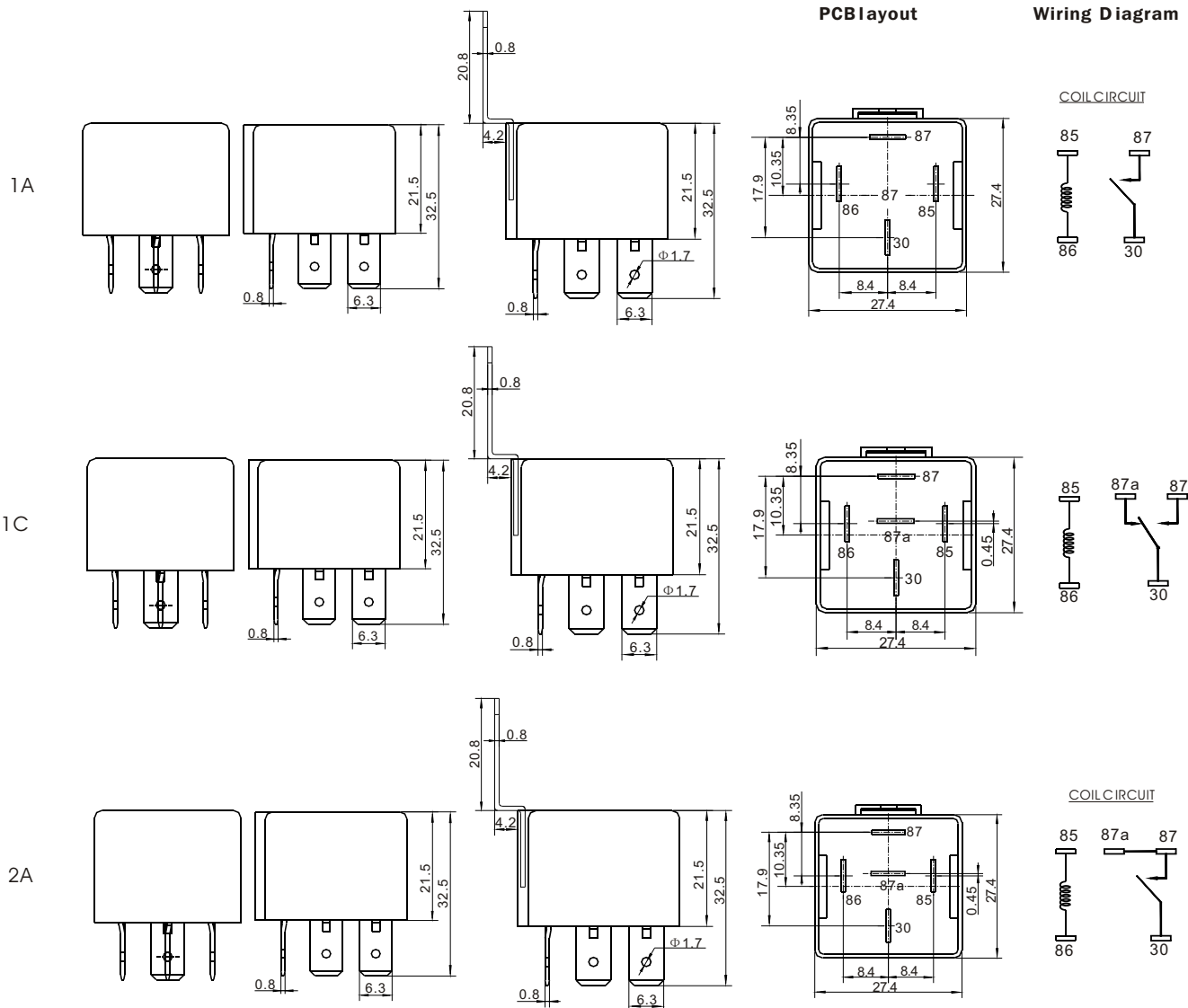
### PCB layout



### Wiring Diagram

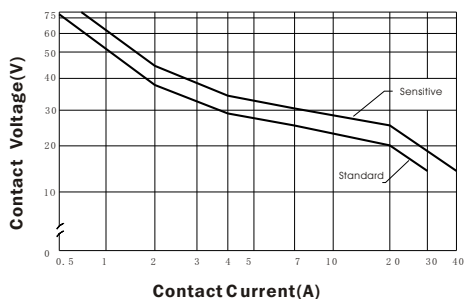


Feange type



CHARACTERISTICS CURVE

MAXIMUM SWITCHING POWER



Ambient Temperature

