

Features



- 40A high switching capability.
- Operating temperature : -40+125℃
- 1Form C and 2Form A contact confiuration available.

Contact Capacity

Model	YAF
Nominal Switching Capacity	40A 14VDC
Max.swithing current	40A
Max.swithing voltage	30VDC
Max.swithing power	560W

Characteristic Data

Contact material	Silver alloy	
Initial contact resistance	50 mΩ Max.	
Operate time	10msec. Max.	
Release time	5msec. Max.	
Initial insulation resistance	100MΩ Min (DC500V)	
Initial dielectric strength	Between open contacts: AC500V,50/60HZ 1Min.	
	Between coil and contacts: AC500V,50/60HZ 1Min.	
Vibration resistance	6G 10-55HZ	
Shock resistance	30G 10-55HZ	
Endurance	Mechanical	At 7, 200ps.h 10,000,000 times
	Electrical	At 600ps.h 10,000,000 times
Ambient temperature	-40℃ ~ +125℃(no condensation)	
Unit weight	Approx.32. 5g	

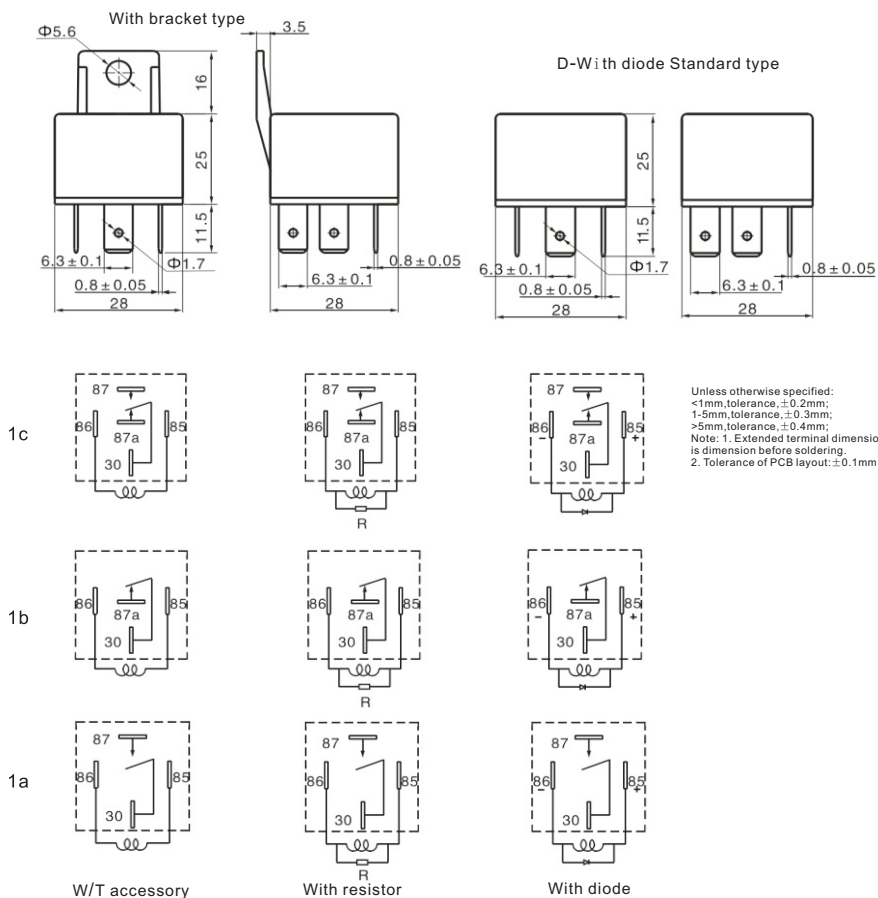
Coil Data(at 20℃)

Nominal voltage (VDC)	Nominal operating current ± 10% (mA)	Coil resistance ± 10% (Ω)	Allowable voltage (Max.)	Pick-up voltage (Max.)	Drop-out voltage (Min.)	Nominal operating power
5	360.00	16	150%of nominal voltage	70%of nominal voltage	10%of nominal voltage	1.6W
6	300.00	22.5				
9	200.00	51				
12	150.00	90				
18	100.00	202				
24	75.00	360				
12	167.83	80	150%of nominal voltage	70%of nominal voltage	10%of nominal voltage	1.8W
24	83.92	320				

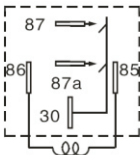
Ordering Information

Nomenclature									
YAF	-SS	-1	12	D	M	F	R	-XX	
Special Parameter: Nil-Standard type Letter or number-Special requirement									
Accessory Form: Nil-Without accessory, R-With resistance.									
Insulation System: Nil-Standard, B-Class B, F-Class F									
Contact Form: M-Form A, Nil-Form C									
Coil Power: D-1.8W/2.0W									
Coil Voltage(VDC): 05, 06, 09, 12, 18, 24									
Number of Pole: 1-1 Pole, 2-2 Poles(Form A only)									
Protective Construction: SS-Flux proofed SH-Sealed type washable									
Type Designation: YAF									

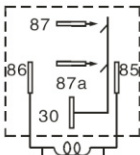
Outline Dimensions, Wiring Diagram, Mounting Holes (Unit: mm)



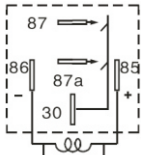
2a



W/T accessory

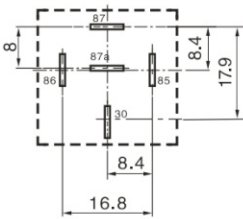


With resistor

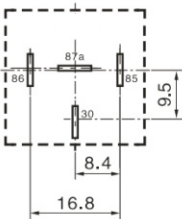


With diode

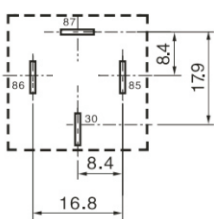
Wiring Diagram(bottom view)



1c(2a)



1b



1a

Mounting Holes(bottom view)

Typical Applications

- Automotive control equipment

Characteristic Curves

