

Coil rating

	Rated voltage (V)	Coil resistance Ω +/- 10%	Rated current (mA)		Must operate voltage	Must dropout voltage	Maximum voltage	Power consumption	Operate time	Release time
			50Hz	60Hz	% of rated voltage (at +20°C)			Approx.	(ms)	(ms)
AC	6	11.5	234	200	80 Max.	30 Min.	110 Max.	1.2VA	<25	<25
	12	46	117	100						
	24	184	58.5	50						
	36	370	39	33.4						
	48	735	28	24						
	120	4550	14.1	13.6						
DC	220/240	14400	11.4	10						
	5	27.5	182		10 Min.			0.9W		
	6	40	150							
	12	160	75							
	24	650	36.9							
	36	1500	24.5							
	48	2600	18.5							
	110	11000	10							

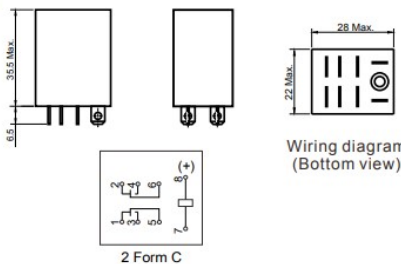
CAUTION: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
2. Pickup and release voltage are for test purposes only and are not to be used as design criteria.

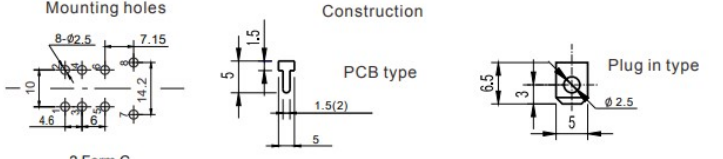
Characteristics

Contact arrangement	SPST (1 Form A); SPDT (1 Form C); DPST (2 Form A); DPDT (2 Form C); 3PST (3 Form A); 3PDT (3 Form C)
Contact material	Silver alloy
Contact resistance	50m Ω Max. (at 1A 6VDC)
Contact rating (resistive)	See figure 1
Switching power	5,540VA / 560W Max.
Switching voltage	AC 300V / DC 30V Max.
Insulation resistance	500M Ω Min. (500VDC)
Dielectric strength	1,000VAC (50Hz/min) Between open contacts 1,500VAC (50Hz/min) Between coil and contact
Shock resistance	Functional : 98m/s ² Destructive: 980m/s ²
Vibration resistance	1.5mm Double amplitude 10-55Hz

Ambient temperature	-40°C to +85°C
Humidity	85% RH, 30°C
Operation life	Mechanical 2 X 10 ⁷ Electrical 1 X 10 ⁵
Weight	For 1 pole & 2 poles: 35g Approx.; For 3 poles: 50g Approx.

(Specifications are subject to change without notices.)

Dimensions		mm
FRM3W		
		
Wiring diagram (Bottom view)		
2 Form C		

Dimensions		mm
		
2 Form C		
PCB type		
Plug in type		

Reference data

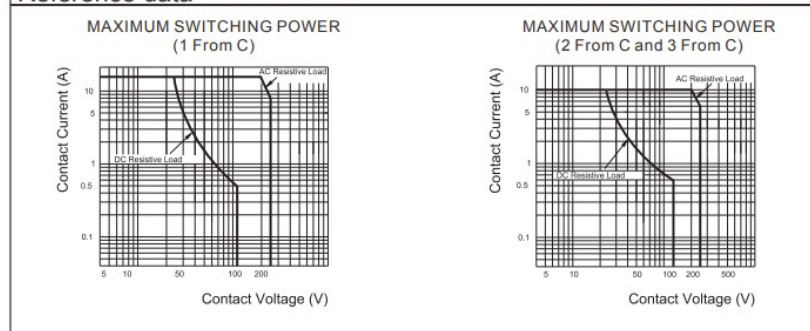


Figure 1

Item 1	1 pole	2 & 3 poles
Rating load	15A 250VAC 15A 28VDC Special request: 20A 277VAC / 28VDC	10A 250VAC 10A 28VDC Special request: (for 2 poles) 10A 277VAC / 28VDC 12A 250VAC / 28VDC ½HP 125VAC
Maximum switching voltage	AC 250V / DC 30V	
Maximum current	20A	10A / 12A

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