



Features

- 2 poles, 3 poles and 4 poles types available with switching current 5A.
- PCB terminal, socket and flange case types available for different mounting consideration.
- Low coil power consumption with high sensitive.
- Long service endurance, high reliability.

Safety Approval

UL, C-UL File No.: E179745

VDE File No.: 40009320

CQC File No.: CQC08001024215

Contact Capacity

Model	SMET (2~4 poles)
Nominal switching capacity (res. load)	5A 250VAC
Max. switching current	5A
Max. switching voltage	250VAC
Max. switching power	1,250VA

Charateristic Data

Contact material	Silver alloy	
Initial contact resistance (at 6VDC 1A)	50mΩ Max.	
Operate time (at nominal volt.)	25msec. Max.	
Release time (at nominal volt.)	25msec. Max.	
Initial insulation resistance	500MΩ Min.(DC500V)	
Initial dielectric strength	Between open contacts: AC1,000V, 50/60Hz 1Min.	
	Between coil and contact: AC1,500V, 50/60Hz 1Min.	
Vibration resistance	Functional	10 ~ 55Hz at double amplitude of 1.5 mm
	Destructive	10 ~ 55Hz at double amplitude of 1.5 mm
Shock resistance	Functional	10G Min.
	Destructive	100G Min.
Endurance (operations)	Mechanical (at 7,200 ops./h)	10,000,000
	Electrical (at 1,800 ops./h)	100,000
Ambient temperature	-25°C ~ +55°C (no condensation)	
Unit weight	Approx. 37.0 g	

Coil Data (at 20°C)

Nominal voltage	Nominal operating current ± 10% (mA)		Coil resistance ± 10% (Ω)	Max. allowable voltage	Pick-up voltage (Max.)	Drop-out voltage (Min.)	Nominal operating power
	50Hz	60Hz					
6 VAC	220.0	170.0	11.5	110 % of nominal voltage	80% of nominal voltage	30 % of nominal voltage	1.0 ~ 1.3VA
12 VAC	110.0	85.0	46				
24 VAC	60.0	45.0	165				
48 VAC	30.0	23.0	735				
120 VAC	13.5	11.5	4,430				
220/240 VAC	6.0	5.0	14,400				
6 VDC	150.0		40	110 % of nominal voltage	75% of nominal voltage	10 % of nominal voltage	Approx. 0.90W
12 VDC	75.0		160				
24 VDC	37.0		650				
48 VDC	18.5		2,600				
110 VDC	10.0		11,000				

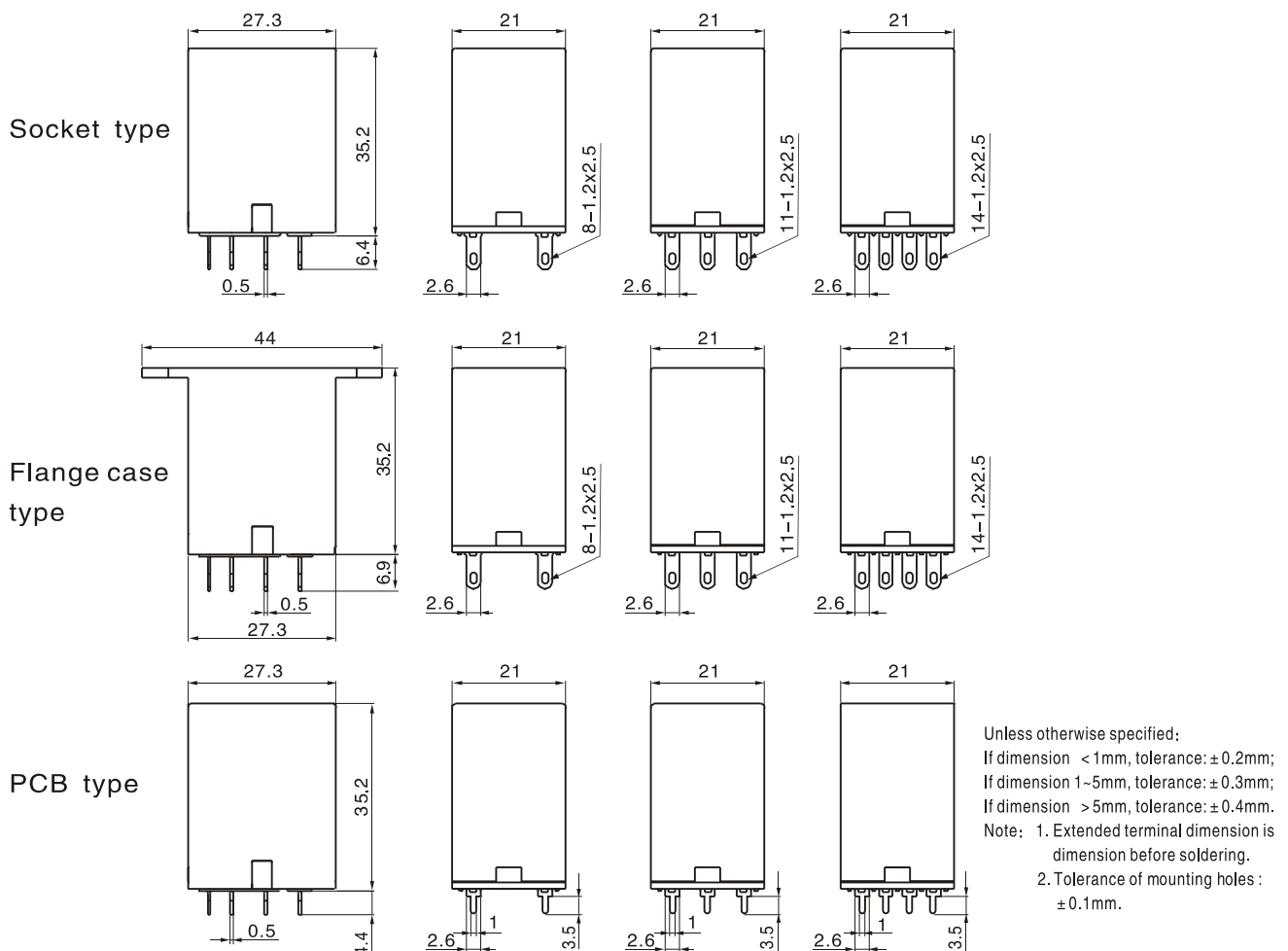
Safety Approval Ratings

Approval	CQC	VDE	UL/CUL
File No.	CQC08001024215	40009320	E179745
Approved ratings	5A 250VAC	4 poles: 3A 250VAC 3A 30VDC	5A 250VAC, Resistive 5A 28VDC, Resistive 2A 250VAC, General use

Ordering Information

Nomenclature	
SMET-2 12 D T 1 D-F-XX	
	Special Parameter: Nil-Standard type, Letter or number-Special requirement
	Insulation System: Nil-Standard, B-Class B, F-Class F
	Accessory Form: Nil-Without accessory, D-With diode
	Contact Material: Nil-AgSnO ₂ , 1-AgCdO
	Mounting Type: P-PCB, T-Socket, F-Flange case
	Coil Power: D-DC, A-AC
	Coil Voltage: DC-06, 12, 24, 48, 110; AC-06, 12, 24, 48, 110, 220
	Number of Poles: 2-2 Poles, 3-3 Poles, 4-4 Poles
	Type Designation: SMET

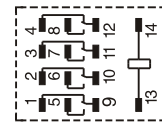
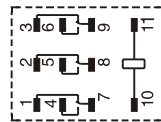
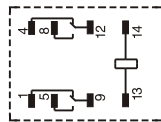
Outline Dimensions, Wiring Diagram, Mounting Holes (unit: mm)



2c

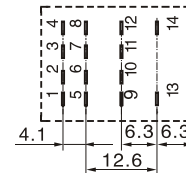
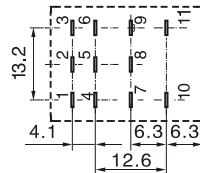
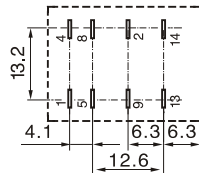
3c

4c

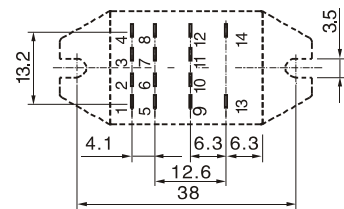
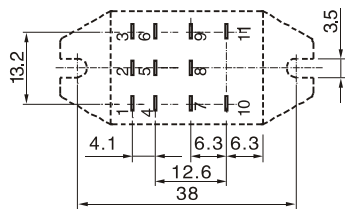
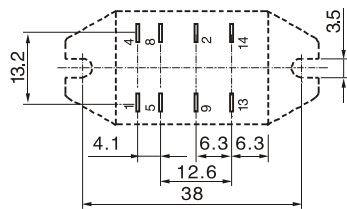


Wiring Diagram (bottom view)

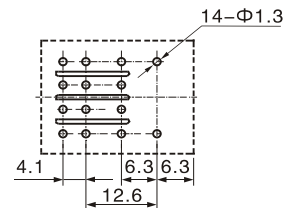
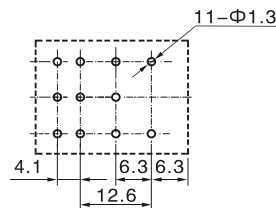
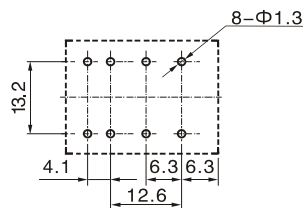
Socket type



Flange case type



PCB type



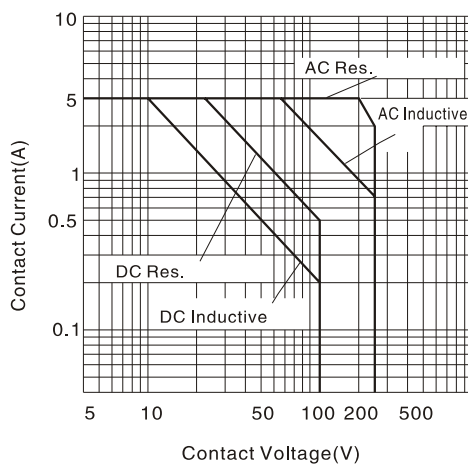
Mounting Holes t (bottom view)

Typical Applications

- Automat, cooking appliance and office equipment
- Home appliances, control apparatus, ect.

Characteristic Curves

Max. Switching Power



Endurance Curve

