



UL,C-UL File No.:E179745
CQC File No.:CQC02001002120

- Small size at 16A switching capacity relay for high density P.C.board mounting technique.
- 8mm creepage distance. Surge resistance of 10000V and dielectric strength of 5000VAC is available.
- High sensitive type for low consumption.
- Complete sealed type is available if required.

SPECIFICATIONS

Contact

Arrangement	1a, 1c	
Contact material	Silver alloy	
Contact resistance (1A 6VDC)	50 mΩ Max.	
UL/C-UL rating	20A	120VAC
Resistance load (cos φ =1)	5A	24VDC
	16A	240VAC
Inductive load (cos φ =0.4)	5A	120VAC
CQC rating	16A	250VAC
Max.switching voltage	250VAC	30VDC
Max.switching current	16A	
Max.switching power	4,000VA	600W
Expected life(min.ope)	Mechanical (at 120 cpm)	1X10 ⁷
	Electrical (at 20 cpm)	1X10 ⁵

Characteristics

Item	Type	SZ-D	SZ-L
	Operate time		15 msec. Max.
Release time		8 msec.Max.	
Operating humidity		45~80% RH	
Initial breakdown voltage	Between contact and coil	5,000VAC (50/60Hz) for 1 min.	
	Between open contacts	1,000VAC (50/60Hz) for 1 min.	
Insulation resistance		1,000MΩ Min.(500VDC)	
Ambient temperature		-40℃~+85℃	
Insulation resistance		5,000V 1.2×50 μ s (Between coil contacts)	
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	
Temperature rise (Max.)		45℃	35℃
Unit weight		Approx. 13g	

Coil

Nominal operating power	0.54W, 0.72W
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TYPICAL APPLICATIONS

Cooking applications, Air controlling equipment, etc.

ORDERING INFORMATION

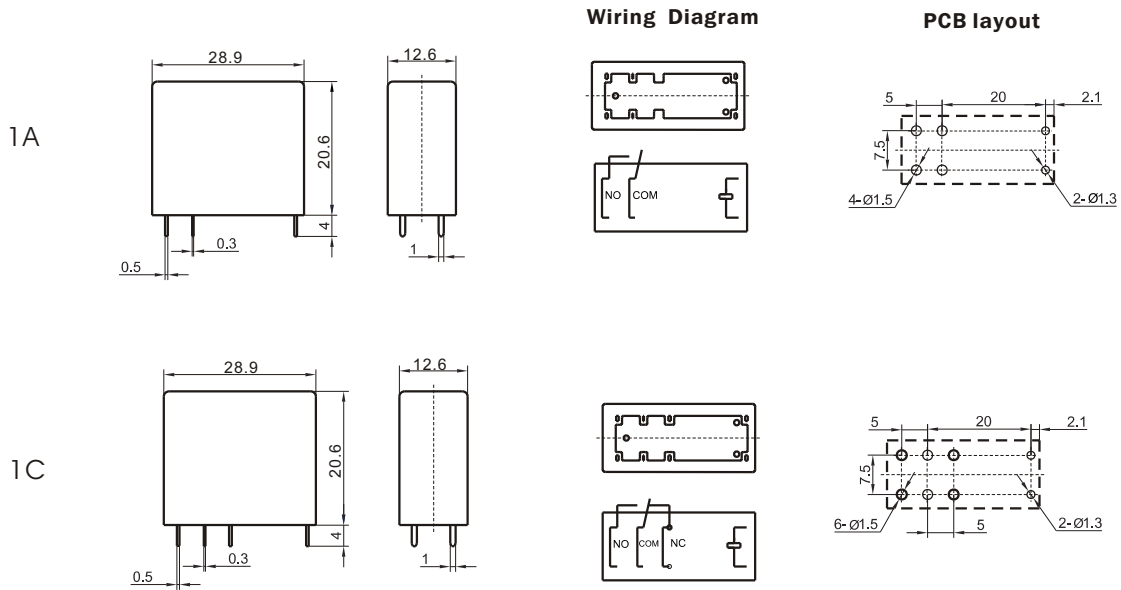
Type	Protective construction	Number of poles	Coil voltage	Coil sensitivity	Contact form
SZ	NIL:Flux type S:Sealed type	1:1 pole	03,05,06,09, 12,18,24,48	D:0.72W L:0.54W	M:1 Form A Nil:1 Form C

COIL(at 20°C)

SZ

Type	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)
SZ-D	03	3	240.00	12.5	5%Min.	80%Max.	0.72	130% of nominal voltage
	05	5	138.89	36				
	06	6	120.00	50				
	09	9	78.26	115				
	12	12	60.00	200				
	18	18	40.00	450				
	24	24	29.27	820				
	48	48	14.55	3,300				
SZ-L	03	3	176.47	17	5%Min.	80%Max.	0.54	130% of nominal voltage
	05	5	100.00	50				
	06	6	88.24	68				
	09	9	58.06	155				
	12	12	44.44	270				
	18	18	30.00	600				
	24	24	21.82	1,100				
	48	48	10.91	4,400				

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



CHARACTERISTICS CURVE

