



21.3×16.2×20.8

JZC-22F₃

UL E160644

CQC 08001023385

DE 40027380

Features

- Small size, light weight .Low coil power consumption.
- 20A switching capacity.
- High dielectric strength.
- PC board mounting.
- Suitable for household electrical appliances, automation system, electronic equipment, instrument and meter application. Remote control TV receivers, monitor display, audio equipment high and rushing current application.

Ordering Information

JZC-22F₃ **D** **S** **C** **20** **D** **12VDC** **F**
 1 2 3 4 5 6 7 8

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| <p>1 Part number: JZC-22F₃</p> <p>2 Terminal: NIL:Standard; D:Double terminals
D1:double terminals(without pin 7)</p> <p>3 Enclosure: S:Wash tight; F:Flux proof</p> <p>4 Contact arrangement: A:1A; B:1B; C:1C</p> | <p>5 Contact rating: 5:5A; 7:7A; 12:12A; 15:15A; 16:16A; 20:20A</p> <p>6 Coil power: L:0.36W; D:0.45W</p> <p>7 Coil rated voltage(V): DC:3,5,6,9,12,24,48</p> <p>8 Insulation standard: B:130℃; F:155℃</p> |
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Contact Data

Contact Arrangement	1A(SPSTNO) 1B(SPSTNC) 1C(SPDT(B-M))	
Contact Material	AgSnO ₂	
Contact Rating	5A,7A,12A,15A,20A/125VAC,28VDC; 7A/400VAC 5A,10A,16A/250VAC; 16A/277VAC TV-8 125VAC Motor load: NO:1HP(16FLA) 125VAC,(8FLA)250VAC NC: ½HP(9.8FLA) 125VAC,(4.9FLA)250VAC	
Max. Switching Power	560W 4450VA	
Max. Switching Voltage	30VDC 400VAC	Max. Switching Current:20A
Contact Resistance	≤100mΩ	Item 4.12 of IEC 61810-7
Electrical Endurance	1×10 ⁵	Item 4.30 of IEC 61810-7
Mechanical Endurance	1×10 ⁷	Item 4.31 of IEC 61810-7

Coil Parameter

Coil voltage VDC		Coil resistance Ω ± 10%	Pick-up voltage VDC(max) (75% of rated voltage)	Drop-out voltage VDC(min) (10% of rated voltage)	Coil power W	Operate time ms	Release time ms
Rated	Max.						
3	3.9	25	2.25	0.3	0.36	≤15	≤5
5	6.5	69.4	3.75	0.5			
6	7.8	100	4.50	0.6			
9	11.7	225	6.75	0.9			
12	15.6	400	9.00	1.2			
24	31.2	1600	18.0	2.4			
48	62.4	6400	36.0	4.8	0.45	≤15	≤5
3	3.9	20	2.25	0.3			
5	6.5	55.6	3.75	0.5			
6	7.8	80	4.50	0.6			
9	11.7	180	6.75	0.9			
12	15.6	320	9.00	1.2			
24	31.2	1280	18.0	2.4			
48	62.4	5120	36.0	4.8			

Notes: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.

Characteristics

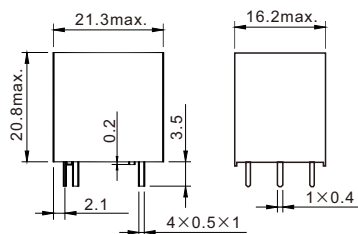
Insulation Resistance	100MΩ min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Open Contacts Between Contact and Coil	1000VAC 1min 2500VAC 1min	Item 4.9 of IEC 61810-7
Surge Voltage (Between Contact and Coil)	4kV(1.2/50μs)	Item 4.10 of IEC 61810-7
Shock Resistance	98m/s ² 11ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~55Hz Double amplitude 1.5mm	Item 4.28 of IEC 61810-7
Terminals Strength	10N	Item 4.24 of IEC 61810-7
Ambient Temperature	-40℃~105℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Weight (Approx.)	14g	Item 4.7 of IEC 61810-7

Safety Approvals

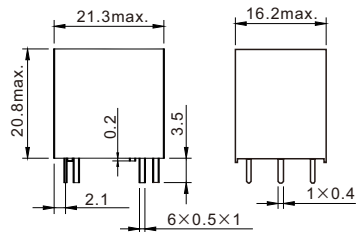
Safety approval	UL&CUR	VDE	CQC
Load	16A/277VAC; 20A/125VAC; 10A/250VAC TV-8 125VAC NO:1HP(16FLA) 125VAC,(8FLA)250VAC; NC: ½HP(9.8FLA) 125VAC,(4.9FLA)250VAC	10A,16A/250VAC 7A/400VAC	10A/250VAC

Dimensions

mm

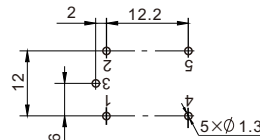


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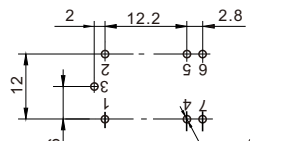


JZC-22F₃D1

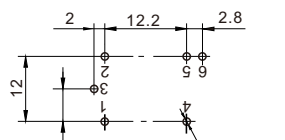
Dimensions



JZC-22F₃

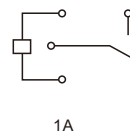


JZC-22F₃D

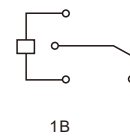


JZC-22F₃D1

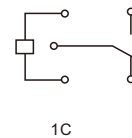
Mounting(Bottom view)



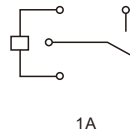
1A



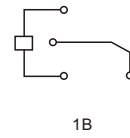
1B



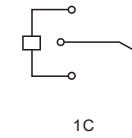
1C



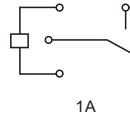
1A



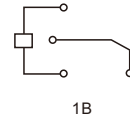
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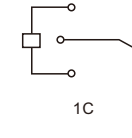
1C



1A



1B



1C

Wiring diagram (Bottom view)

Remark: In case of no tolerance shown in outline dimension: outline dimension≤1mm,tolerance should be ±0.2mm ;
outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should
be ±0.4mm.

Reference Data

