

JQX-54FE



JQX- 54FE(Version)

 R50126381  E160644

 15002122515

30.4×16.0×26.0

Features

- High-capacity relay with inductive load, the inrush current can reach up to 70A and steady-state current can achieve up to 25A.
- Used in household appliances like air conditioning , heater and instruments etc.
- Can be welded directly onto PCB .

Contact Data

Contact Arrangement	1A (SPSTNO)		
Contact Material	AgSnO ₂		
Contact Rating	Resistive: 25A/250VAC, 20A/277VAC Inductive :20A/250VAC,cosΦ=0.4 Motor load:1.5HP 250VAC		
Max. Switching Power	6250VA		
Max. Switching Voltage	300VAC	Max. Switching Current:25A rushing current:70A	
Contact Resistance or Voltage drop	≤50mΩ	Item 4.12 of IEC 61810-7	
Operation life	Electrical Mechanical	10 ⁵ 10 ⁷	Item 4.30 of IEC 61810-7 Item 4.31 of IEC 61810-7

Coil Parameter

Dash numbers	Coil voltage VDC		Rated current mA	Coil resistance Ω ±10%	Pickup voltage VDC(max) (75% of rated voltage)	Release voltage VDC(min) (5% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated	Max.							
006-900	6	7.8	150	40	4.5	0.3			
009-900	9	11.7	100	90	6.7	0.5			
012-900	12	15.6	75	160	9.0	0.6	0.9	<20	<10
024-900	24	31.2	37.8	640	18	1.2			
048-900	48	62.4	18.8	2560	36	2.4			

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.



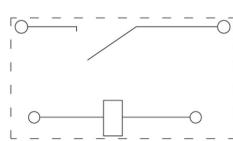
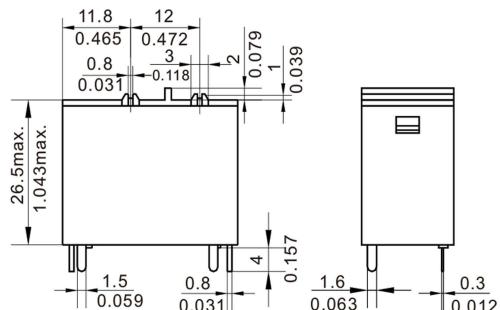
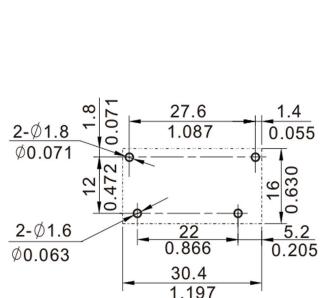
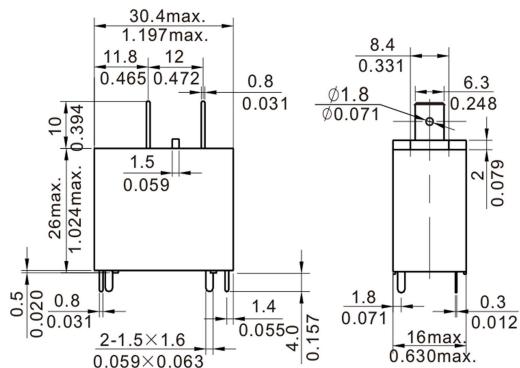
Operation condition

Insulation Resistance	1000MΩ min (at 500VDC)	Item 7 of IEC 60255-5
Dielectric Strength Between contacts Between contact and coil	50Hz 1000V 50Hz 5000V surge voltage:10kV	Item 6 of IEC 60255-5 Item 6 of IEC 60255-5 Item 8 of IEC 60255-5
Shock resistance	Functional:100m/s ² 11ms Survival:1000 m/s ² 11ms	IEC 68-2-27 Test Ea IEC 68-2-27 Test Ea
Vibration resistance	10Hz~55Hz Double amplitude Functional 1.5mm Double amplitude Survival 2.0mm	IEC 68-2-6 Test Fc IEC 68-2-6 Test Fc
Terminals strength	10N 8N	IEC 68-2-21 Test Ua1 and Ua2
Solderability	235°C ± 2°C 3s ± 0.5s	IEC 68-2-20 Test Ta method 1
Ambient Temperature	-30°C~85°C	
Relative Humidity	20%~85%	IEC 68-2-3 Test Ca
Mass	28g	

Safety approvals

Safety approval	UL&CUR	TÜV	CQC
Load	25A/250VAC 20A/277VAC 1.5HP 250VAC	25A/250VAC 20A/250VAC COSΦ=0.4	25A/250VAC

Dimensions



Dimensions

NOTES 1).Dimensions are in millimeters.

2).Inch equivalents are given for general information only.