

JQX-54FF (HF54FF)

MINIATURE HIGH POWER RELAY



Features

- 25A switching capability
- 1Form A and 1Form C configurations
- Withstand inrush current of 60 A
- Suit to switch motor load
- Environmental protection product available (RoHs & WEEE compliant)

CONTACT DATA

Contact Arrangement	1A	1C
Initial Contact Resistance Max.	50mΩ (at 1A 6VDC)	
Contact Material	AgSnO ₂ , AgCdO	
Contact Rating	Resistive	25A 250VAC/24VDC
	Motor	15A 250VAC/24VDC
Max. switching voltage	250VAC	
Max. switching current	25A	15A
Max. switching power	6250VA, 600W	3750VA, 360W
Mechanical life	5 x 10 ⁶ OPS	
Electrical life	2 x 10 ⁵ OPS	

COIL

Coil power	0.9W
------------	------

COIL DATA

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC(at 20°C)	Coil Resistance Ω
5	3.50	0.50	5.5	27.8 ± 10%
6	4.20	0.60	6.6	40 ± 10%
12	8.40	1.20	13.2	160 ± 10%
24	16.8	2.40	26.4	640 ± 10%
48	33.6	4.8	52.8	2560 ± 10%

CHARACTERISTICS

Initial Insulation Resistance	1000MΩ, 500VDC	
Dielectric Strength	Between coil and Contacts	3000VAC 1min.
	Between open contacts	1000VAC 1min.
Operate time (at nomi. Volt.)	Max. 15ms	
Release time (at nomi. Volt.)	Max. 10ms	
Temperature rise (at nomi. Volt.)	Max. 60°C	
Shock Resistance	Functional	100 m/s ²
	Destructive	1000 m/s ²
Vibration Resistance	1.5mm, 10 to 55Hz	
Ambient temperature	-40°C to +70°C	
Humidity	35% to 95%, +40°C	
Termination	Panel mount, QC	
Unit weight	Approx. 42g	
Construction	Dust cover	

SAFETY APPROVAL RATINGS

VDE	1 Form C	15A 250VAC cos phi=1 (NO) 10A 250VAC cos phi=1 (NC)
	1 Form A	20A 250VAC cos phi=1
UL		20A 220VAC (NO) 15A 220VAC (NC)

