

Heavy Duty Relay JQX-59F1C



ORDERING CODE

JQX **59F** **1C** **12VDC**
 ① ② ③

- ① Relay Model Dimension(mm) 71 ×46 ×66
- ② Contact Arrangement 1A, 1B, 1C
- ③ Coil Type DC 6, 12, 24, 48, 110V
AC 6, 12, 24, 48, 110, 220, 240V

COIL DATA 1

Rated voltage	6~110VDC 6~240VAC
Coil rated power(on 20 °C)	DC ≤3.6W AC ≈ 4.5VA

GENERAL DATA

(LxWxH) Outline Dimensions	71 × 46 × 66 mm
Contact Arrangement	1A 1B 1C
Contact Rating	80A 250VAC/24VDC
Contact Resistance or Voltage drop	≤ 50mΩ
Max. Switching Power	1960W 10000VA
Max. Switching Voltage	220VDC 500VAC
Max. Switching Current	80A
Mechanical Operation life	1 x 10 ⁶
Electrical Operation life	2 x 10 ⁴
Coil Power Consumption	DC:3.6W AC:4.5VA
Coil Rated Voltage	6~220VDC 6~380VAC
Pickup voltage	75%(DC) rated voltage ,80%(AC) rated voltage
Release voltage	10%(DC) rated voltage ,30%(AC) rated voltage
action time	≤ 20ms
release time	≤ 20ms
VDC(max) Coil Max Voltage VDC	120% rated voltage
Insulation Resistance	1000 MΩ (at 500V)
Dielectric Strength	
(Between contacts)	1500VAC
(Between contact and coil)	2500VAC
Shock Resistance	10G
Vibration resistance	10~55Hz 10G double amplitude 1.5mm
Ambient Temperature	-40 ~ +60 °C
Relative Humidity	85%(at 40 °C)
Mass	≤ 240g

COIL DATA 2

Coil type	Standard voltage	Coil resistance $\pm 10\%$	Standard current mA	Pick up voltage	Drop up voltage
DC	6	10	300	4.8	0.6
	12	40	267	9.6	1.2
	24	160	75	19.2	2.4
	48	640	37.5	38.4	4.8
	110	3360	16.4	88	11
AC	6	8.27	417	4.8	0.6
	12	32.7	210	9.6	1.2
	24	130	104	19.2	2.4
	48	523.6	52	38.4	4.8
	110	2750	22	88	11
	220	11000	11	176	22
	240	13090	10	192	24

OVERALL AND MOUNTING DIMENSIONS

