

JZX-18FH

MINIATURE INTERMEDIATE POWER RELAY



File No.: E133481



File No.: 40010932



File No.: CQC02001001940



Features

- 7A switching capabilities
- 2 to 4 pole configurations
- 1.5KV dielectric coil to contacts
- test button type
- Au-clad contact available
- Conform to the CE low voltage directive

CONTACT DATA

Contact Arrangement	2C,	3C, 4C
Initial Contact Resistance Max.	50mΩ	
Contact Material	Silver Alloy	
Contact Rating (Res. Load)	7A/250VAC	5A/250VAC
Max. switching voltage	250VAC/30VDC	
Max. switching current	7A	5A
Max. switching power	210W 1540VA	150W 1100VA
Mechanical life	2 x 10 ⁷ OPS	
Electrical life	1 x 10 ⁵ OPS	

COIL DATA

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Coil Resistance Ω
5	4.0	0.50	27.5 ± 10%
6	4.8	0.60	40 ± 10%
12	9.6	1.20	160 ± 10%
24	19.2	2.40	650 ± 10%
48	38.4	4.80	2600 ± 15%
110	88.0	11.0	11000 ± 15%

CHARACTERISTICS

Initial Insulation Resistance	1000MΩ, 500VAC	
Dielectric Strength	Between coil and Contacts	1500VAC 1min.
	Between open contacts	1000VAC 1min.
	Between contact sets	1500VAC 1min.
Operate time (at nomi. Volt.)	25ms	
Release time (at nomi. Volt.)	25ms	
Shock Resistance	Functional	100 m/s ²
	Destructive	1000 m/s ²
Vibration Resistance	1.5mm, 10 to 55Hz	
Humidity	35% to 95%	
Ambient temperature	-55°C to +70°C	
Termination	PCB&QC	
Unit weight	37g	
Construction	Dust Cover	

Nominal Voltage VAC	Pick-up Voltage VAC	Drop-out Voltage VAC	Coil Resistance Ω
6	4.80	1.80	11.5 ± 10%
12	9.60	3.60	46 ± 10%
24	19.2	7.20	184 ± 10%
48	38.4	14.4	735 ± 10%
120	96.0	36.0	4550 ± 15%
220/240	176.0	66.0	14400 ± 15%

SAFETY APPROVAL RATINGS

UL	2C : 7A 250VAC/30VDC
	4C : 5A 250VAC/30VDC
VDE	2C: 7A 250VAC/30VDC
	3C,4C: 5A 250VAC/30VDC

COIL

Coil power	DC:0.9W AC:1.2VA
------------	------------------



ORDERING INFORMATION

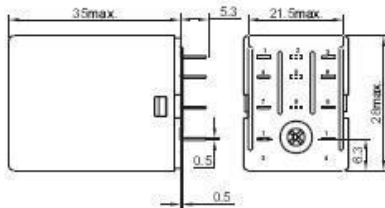
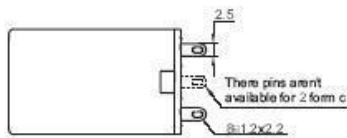
Type	JZX-18FH /	A	012	2Z	1	G	D
Coil Source	A: AC NIL: DC						
Coil voltage	DC: 5 to 110VDC AC: 6 to 240VAC						
Contact arrangement	2Z: 2Form C 3Z: 3Form C 4Z: 4Form C						
Mounting Termination	1:Type 1(Socket); 2:Type 2 (PCB);						
Contact Material	G: Gold-plated NIL: Standard						
LED	D: With LED NIL: Without LED						

Protection diode: J: with Diode NIL: without diode A1/13+ / A2/14-

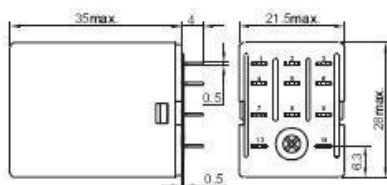
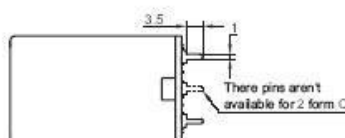
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Outline Dimensions

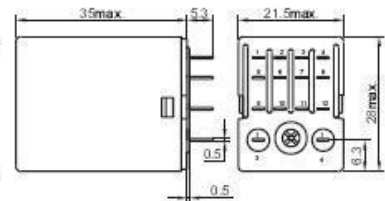
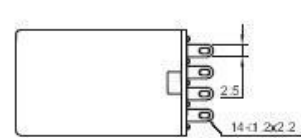
JZX-18FH/□□□□-2Z1□□/3Z1□□



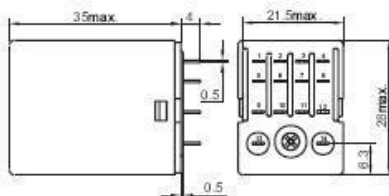
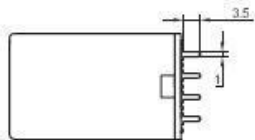
JZX-18FH/□□□□-2Z2□□/3Z2□□



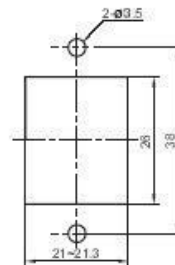
JZX-18FH/□□□□-4Z1□□



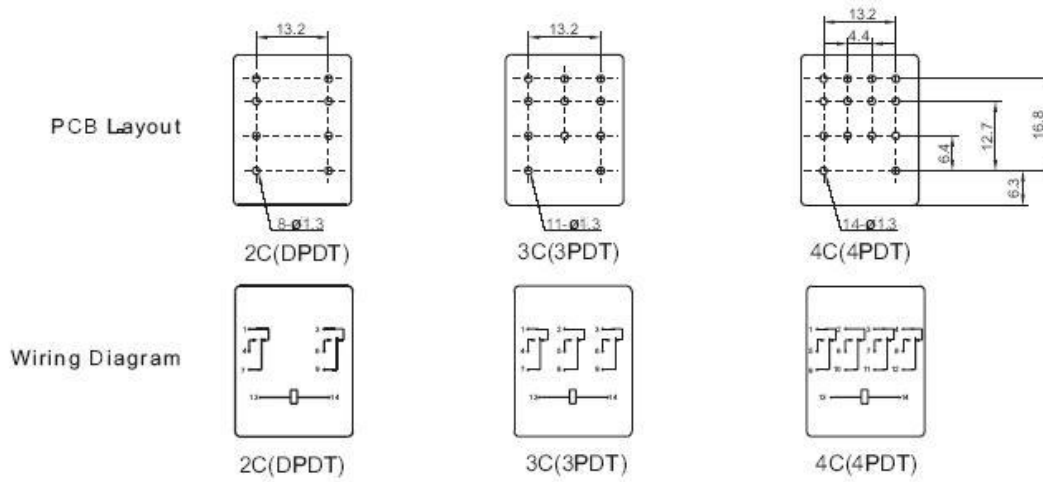
JZX-18FH/□□□□-4Z2□□



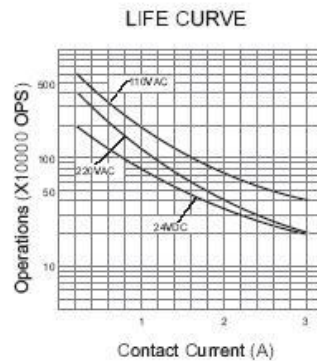
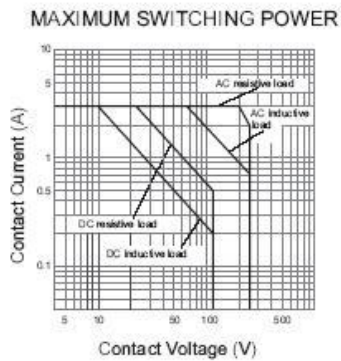
PCB layout



OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



CHARACTERISTICS CURVE



18FH DIN-rail socket

18FF-4Z-C3 DIN-rail socket with screw type terminal 4-pol / 2-pol

18FF-3Z-C3 DIN-rail socket with screw type terminal 3-pol

LED- and Protection Moduls

See separate datasheet