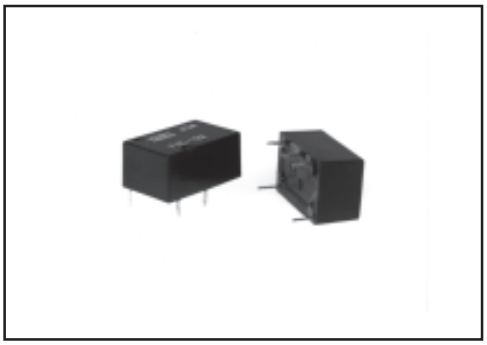
GLOBAL Components & Controls

FXE

■ *Features*

- Low Profile Compact Size
- High Contact Capacity
- High Sensitivity
  200 mW nominal (98mW Pull-in)
- Easy Flow-Soldering
- Solvent Compatibility



UL E50288
CSA LR700402

■ *Coil Rating* (at 20°C)

Rated Voltage	Coil Resistance	Pull-in Voltage	Drop-out Voltage	Max. Allowable Voltage	Rated Power
3VDC	45Ω	70%V Max. of rated voltage	10%V Min. of rated voltage	200%V of rated voltage	Approx. 0.2W
5VDC	125Ω				
6VDC	180Ω				
9VDC	405Ω				
10VDC	500Ω				
12VDC	720Ω				
24VDC	2,880Ω				

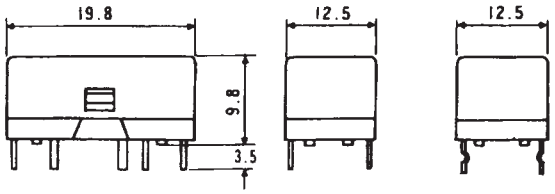
■ *Specifications*

Contact Arrangement		1 Form A	1 Form C
Contact Material		Standard : Silver alloy Low level : Gold-plated silver alloy	
Rated Load		250VAC • 10A(resistive) 30VDC • 10A(resistive)	250VAC • 7A(resistive) 30VDC • 7A(resistive)
Max. Switching Power		2,500VA/300W	1,750VA/210W
Max. Switching Current		10A	7A
Max. Switching Voltage		380VAC/125VDC	
Contact Resistance (Initial)		30mΩ Max. at 6VDC • 1A after throw	
Dielectric Strength		1000VAC for 1 minute between across contacts 2000VAC for 1 minute between coil and contacts	
Insulation Resistance		1000MΩ Min. at 500VDC	
Operate Time		10ms Max.	
Release Time		10ms Max.	
Shock	False Operation	Approx. 20G	
	Endurance	Approx. 100G	
Vibration	False Operation	10 to 55 Hz, amplitude 1.5mm	
	Endurance	10 to 55 Hz, amplitude 1.5mm	
Mechanical Life		50×10^6 times (Switching frequency: 300 times/minute)	
Electrical Life		1×10^5 times at rated load (Switching frequency: 30 times/minute)	
Ambient Temperature		-40 to + 70℃	
Weight		Approx. 5.5 grams.	

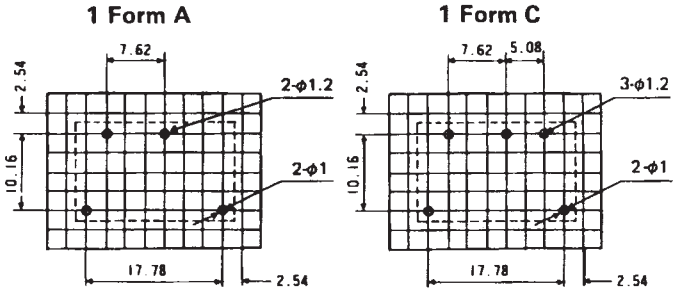
65 SHARK RIVER ROAD, NEPTUNE, NEW JERSEY 07753-7423
(732) 922-6333 Phone (732) 922-6363 Fax

■ *Dimensions*

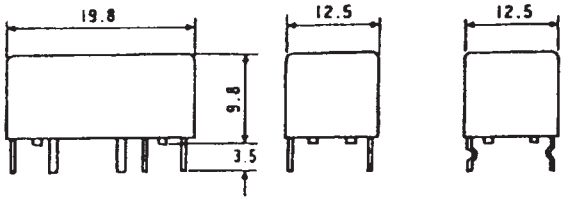
- **Flux Tight Type**



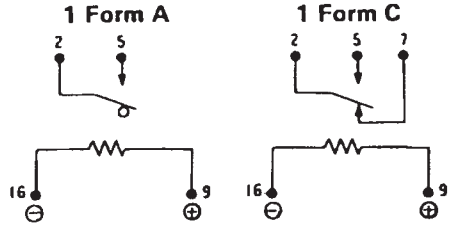
- **P.C. Board Drilling Design**



- **Sealed Type**



- **Internal Wiring Diagram (BOTTOM VIEW)**



Take notice of the polarity of coil shown above.

Taiko Brand

■ *How to order*

FXE – 12 M G C

- Model
- Coil Voltages: 3, 5, 6, 9, 10, 12, 24 VDC
- Blank: 1 Form C (SPDT)
  - M: 1 Form A (SPST–NO)
- Blank: Standard Contact
  - G: Low level contact
- Blank: Standard terminal type
  - C: Kink terminal type

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