

REFERENCE DATA

1. Standard type (Contact Gap 1.5 mm .059 inch type) (Contact Gap 1.8 mm .071 inch type)

1. Coil temperature rise

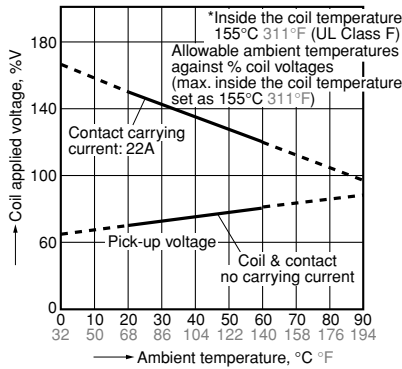
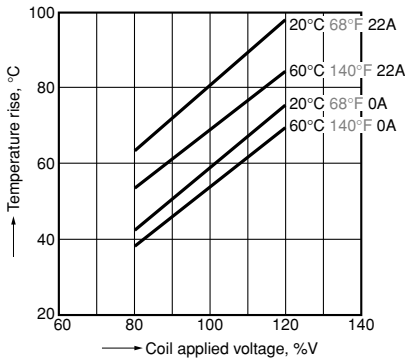
Sample: ALFG1PF09, ALFG1PF091, 6 pcs.

Point measured: coil inside

Ambient temperature: 20°C 68°F, 60°C 140°F

Contact carrying current: 22A

2. Ambient temperature characteristics and coil applied voltage



3. Electrical life test

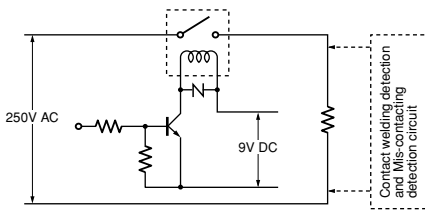
(22A 250V AC Resistive load)

Sample: ALFG1PF09, ALFG1PF091, 6 pcs.

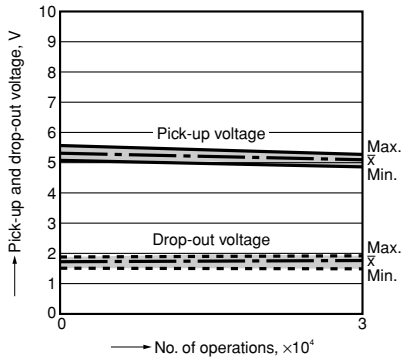
Operation frequency: ON:OFF = 1.5s:1.5s

Ambient temperature: 85°C 185°F

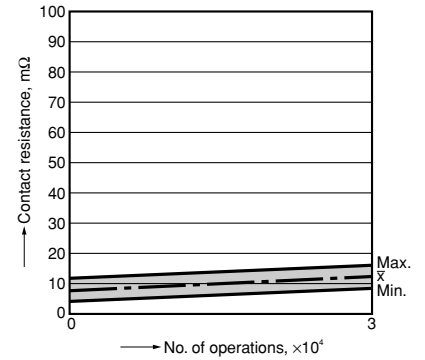
Circuit:



Change of pick-up and drop-out voltage



Change of contact resistance



4. Electrical life test

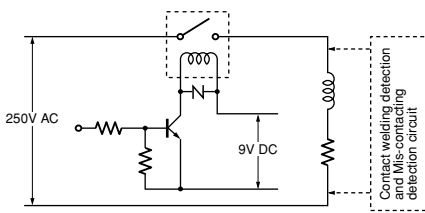
(22A 250V AC cosφ = 0.8 Inductive load)

Sample: ALFG1PF09, ALFG1PF091, 6 pcs.

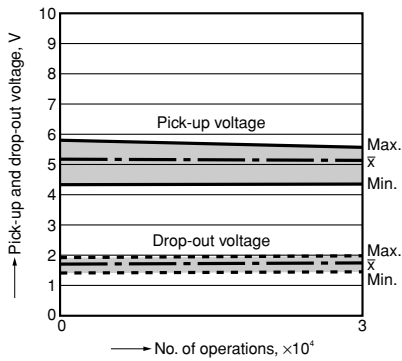
Operation frequency: ON:OFF = 0.1s:10s

Ambient temperature: 85°C 185°F

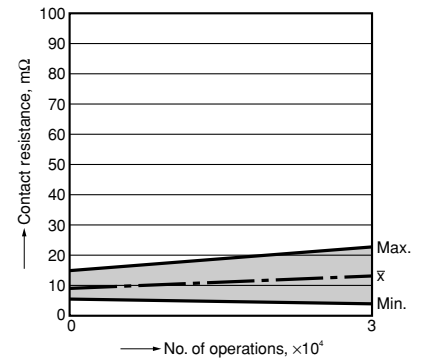
Circuit:



Change of pick-up and drop-out voltage



Change of contact resistance

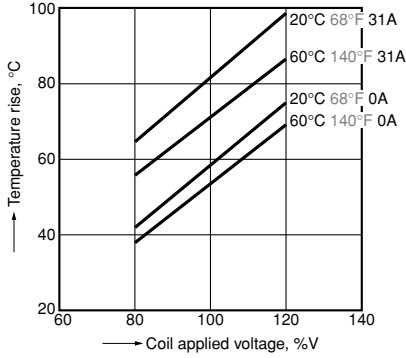


LF-G (ALFG)

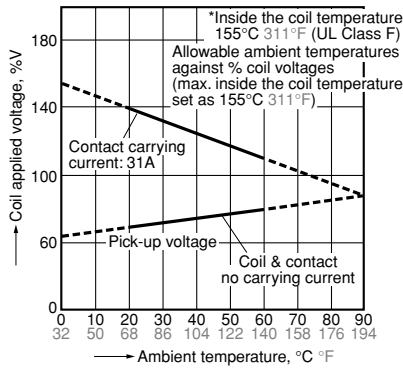
2. High capacity type (Contact Gap 1.5 mm .059 inch type)

1. Coil temperature rise

Sample: ALFG2PF09, 6 pcs.
 Point measured: coil inside
 Ambient temperature: 20°C 68°F, 60°C 140°F
 Contact carrying current: 31A



2. Ambient temperature characteristics and coil applied voltage

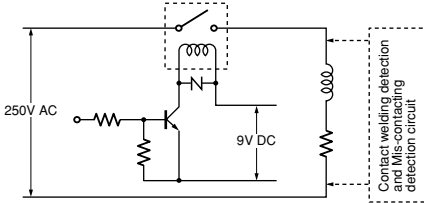


3. Electrical life test

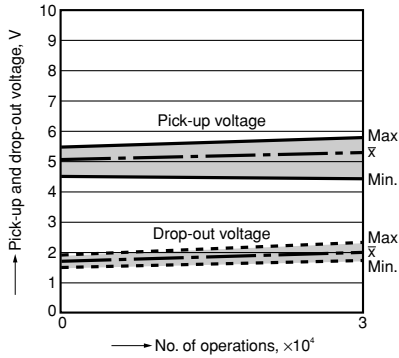
(31A 250V AC $\cos\phi = 0.8$ Inductive load)

Sample: ALFG2PF09, 6 pcs.
 Operation frequency: ON:OFF = 0.1s:10s
 Ambient temperature: 85°C 185°F

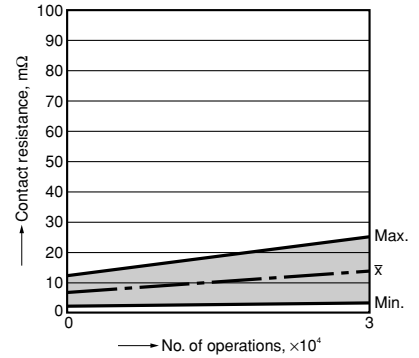
Circuit:



Change of pick-up and drop-out voltage



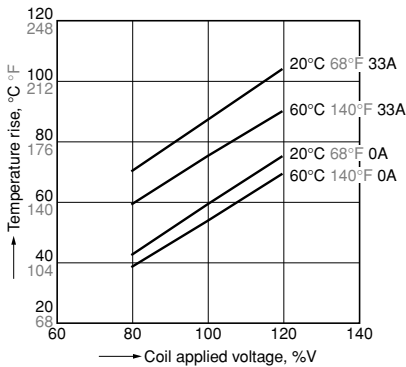
Change of contact resistance



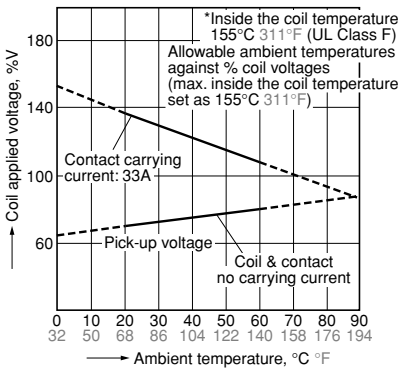
3. High capacity type (Contact Gap 1.8 mm .071 inch type)

1. Coil temperature rise

Sample: ALFG2PF091, 6 pcs.
 Point measured: coil inside
 Ambient temperature: 20°C 68°F, 60°C 140°F
 Contact carrying current: 33A



2. Ambient temperature characteristics and coil applied voltage

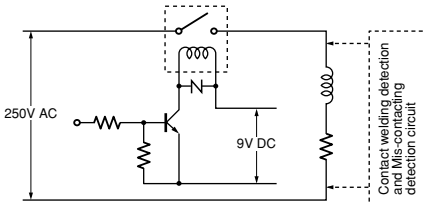


3. Electrical life test

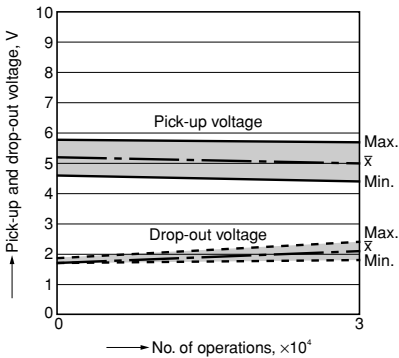
(33A 250V AC $\cos\phi = 0.8$ Inductive load)

Sample: ALFG2PF091, 6 pcs.
 Operation frequency: ON:OFF = 0.1s:10s
 Ambient temperature: 85°C 185°F

Circuit:



Change of pick-up and drop-out voltage



Change of contact resistance

