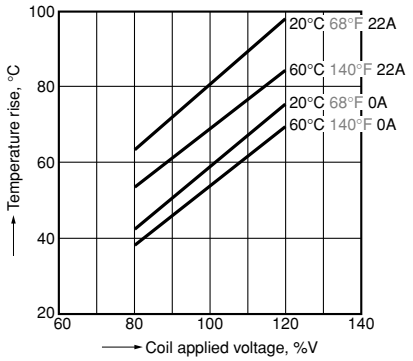
REFERENCE DATA

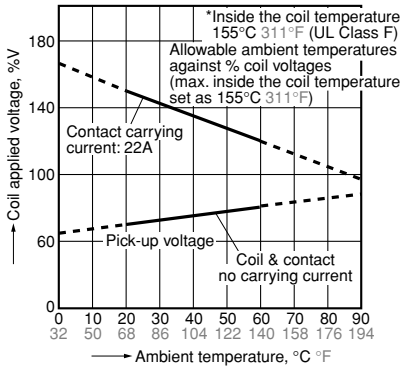
1. Standard type (Contact Gap 1.5 mm .059 inch type) (Contact Gap 1.8 mm .071 inch type)

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



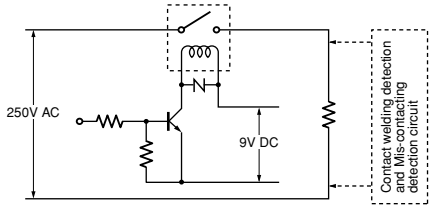
2. Ambient temperature characteristics and coil applied voltage



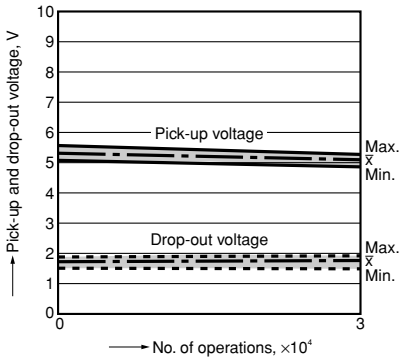
3. Electrical life test
(22A 250V AC Resistive load)

Sample: ALFG1PF09, ALFG1PF091, 6 pcs.
Operation frequency: ON:OFF = 1.5s:1.5s
Ambient temperature: 85°C 185°F

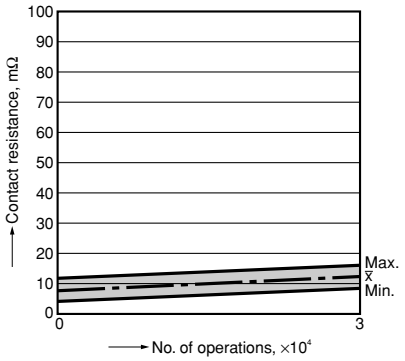
Circuit:



Change of pick-up and drop-out voltage



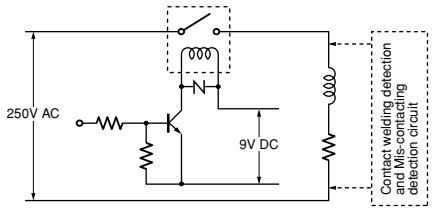
Change of contact resistance



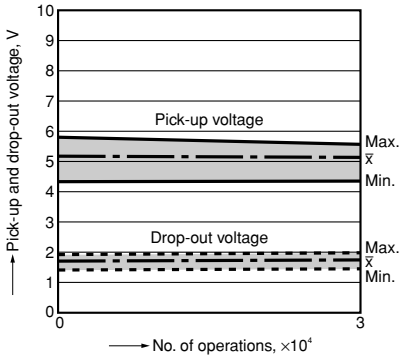
4. Electrical life test
(22A 250V AC cosϕ = 0.8 Inductive load)

Sample: ALFG1PF09, ALFG1PF091, 6 pcs.
Operation frequency: ON:OFF = 0.1s:10s
Ambient temperature: 85°C 185°F

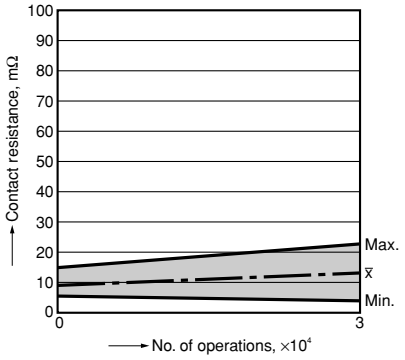
Circuit:



Change of pick-up and drop-out voltage



Change of contact resistance

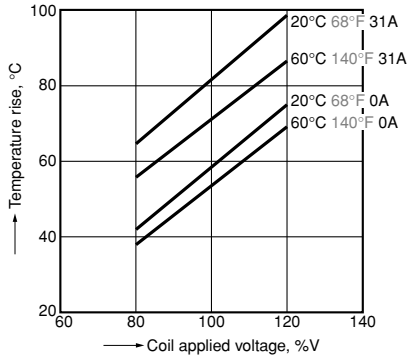


© Panasonic Corporation 2016

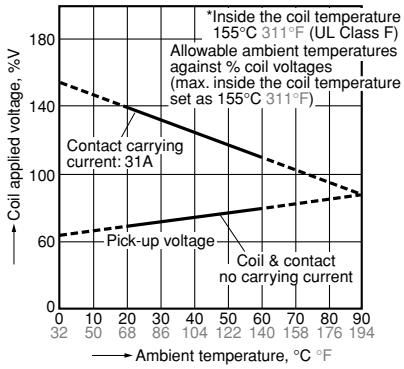
2. High capacity type (Contact Gap 1.5 mm .059 inch type)

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



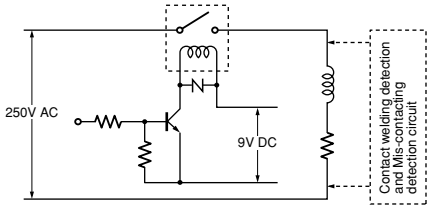
2. Ambient temperature characteristics and coil applied voltage



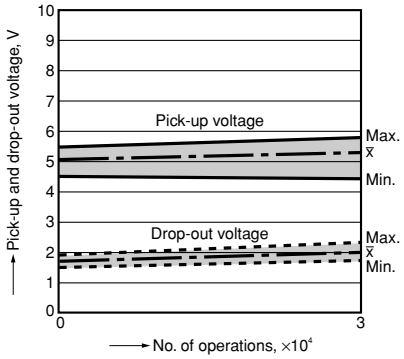
3. Electrical life test

(31A 250V AC cosϕ = 0.8 Inductive load)
Sample: ALFG2PF09, 6 pcs.
Operation frequency: ON:OFF = 0.1s:10s
Ambient temperature: 85°C 185°F

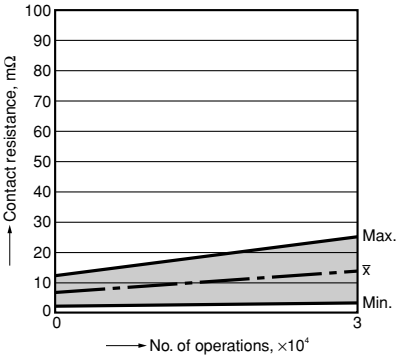
Circuit:



Change of pick-up and drop-out voltage



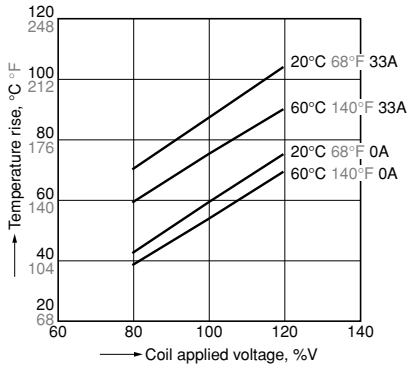
Change of contact resistance



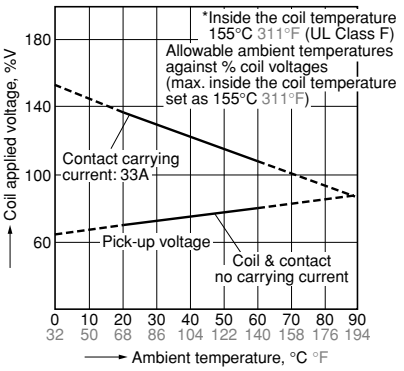
3. High capacity type (Contact Gap 1.8 mm .071 inch type)

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



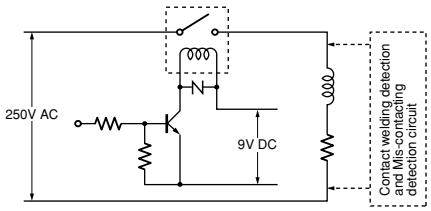
2. Ambient temperature characteristics and coil applied voltage



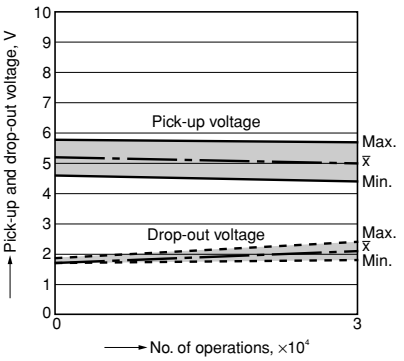
3. Electrical life test

(33A 250V AC cosϕ = 0.8 Inductive load)
Sample: ALFG2PF091, 6 pcs.
Operation frequency: ON:OFF = 0.1s:10s
Ambient temperature: 85°C 185°F

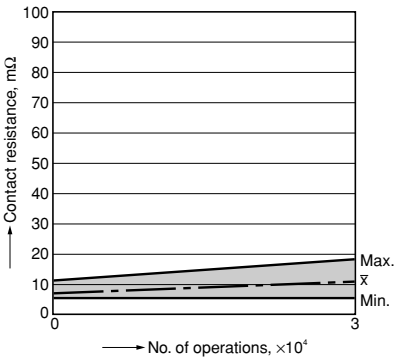
Circuit:



Change of pick-up and drop-out voltage



Change of contact resistance



© Panasonic Corporation 2016