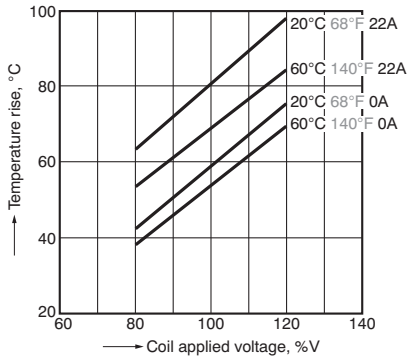
REFERENCE DATA

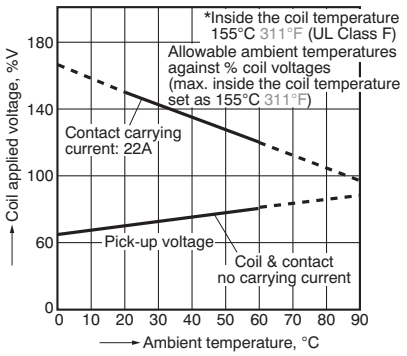
■ Standard type

1. Coil temperature rise

Sample: ALFG1PF09, 6 pcs.
Point measured: coil inside
Ambient temperature: 20°C 68°F, 60°C 140°F
Contact carrying current: 22A



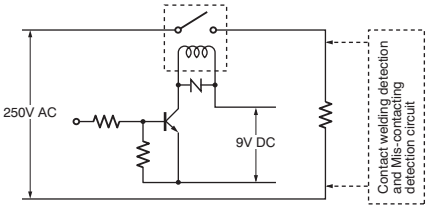
2. Ambient temperature characteristics and coil applied voltage



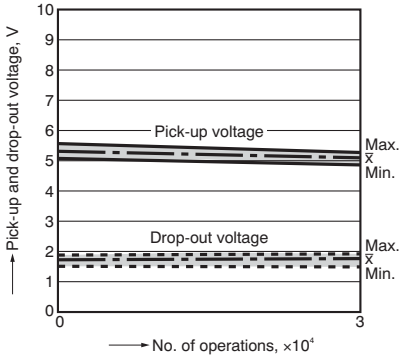
3. Electrical life test
(22A 250V AC Resistive load)

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

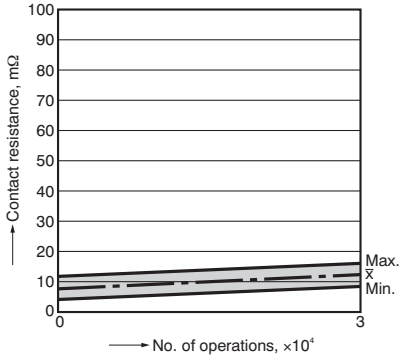
Circuit:



Change of pick-up and drop-out voltage



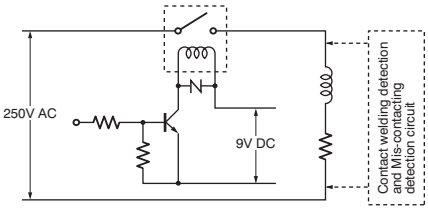
Change of contact resistance



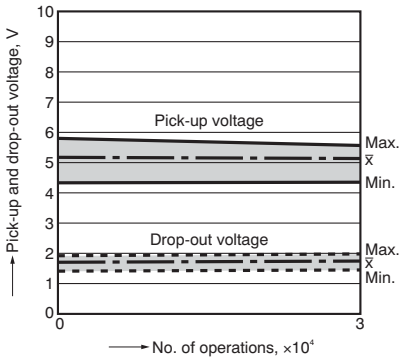
4. Electrical life test
(22A 250V AC cosϕ = 0.8 Inductive load)

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

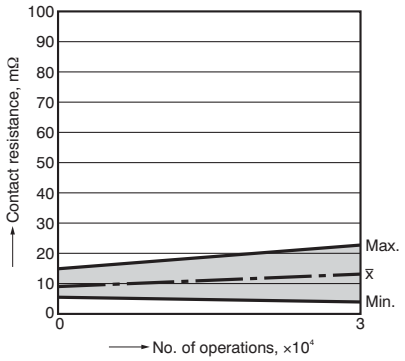
Circuit:



Change of pick-up and drop-out voltage



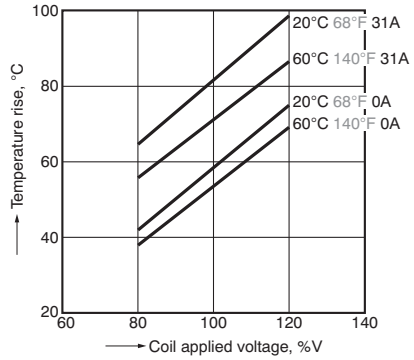
Change of contact resistance



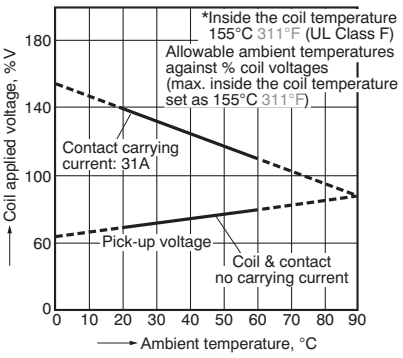
■ High capacity type

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

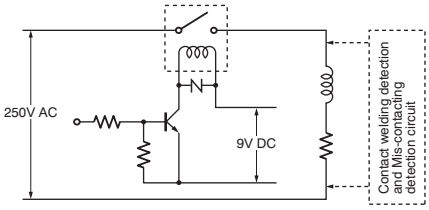


3. Electrical life test

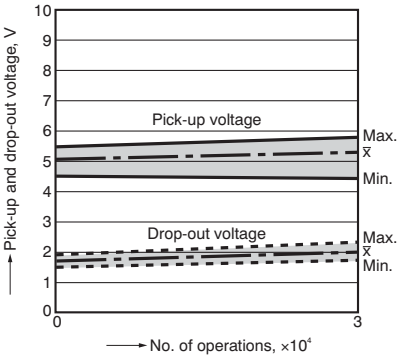
(31A 250V AC cosϕ = 0.8 Inductive load)

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

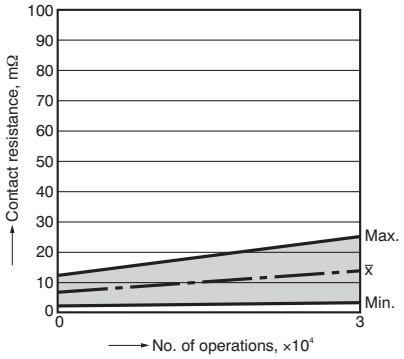
Circuit:



Change of pick-up and drop-out voltage



Change of contact resistance

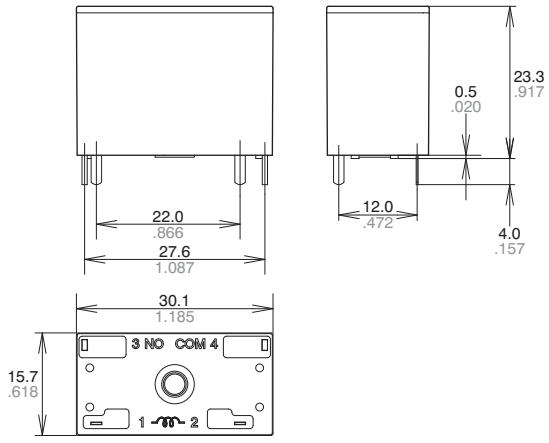


DIMENSIONS(mm inch)

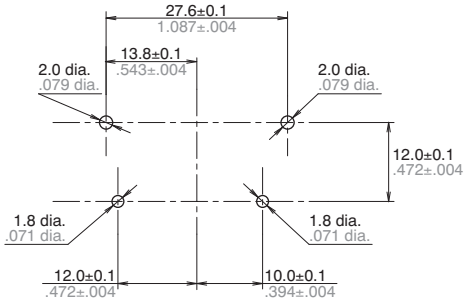
Interested in CAD data? You can obtain CAD data for all products with a CAD Data mark from your local Panasonic Electric Works representative.

CAD Data

External dimensions

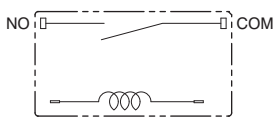


PC board pattern (Bottom view)



Tolerance: ±0.1 ±.004

Schematic (Bottom view)



Dimension:	General tolerance
Max. 1mm .039 inch:	±0.1 ±.004
1 to 3mm .039 to .118 inch:	±0.2 ±.008
Min. 3mm .118 inch:	±0.3 ±.012

SAFETY STANDARDS

Certification authority	Standard type	High capacity type
UL, C-UL	22A 277V AC General Use (at 85°C 185°F)	31A 277V AC General Use (at 85°C 185°F)
VDE (VDE0435)	22A 250V AC cosϕ = 0.8 (at 85°C 185°F)	31A 250V AC cosϕ = 0.8 (at 85°C 185°F)