

## Single Phase Motor Starter Relay

# HG4506



### FEATURES

- Specially designed for compressor use
- Quick connects for quick hook-up
- Class B insulation material
- "Great Wall" mark approved
- Other approvals pending

### TYPICAL APPLICATIONS

- Compressors in refrigerator, air conditioner, HVAC, etc.
- Similar applications where starter relay is used

### CONTACT RATING

Form	1 Form B (D)
Make + Break	16A, 250VAC, $\cos \phi = 0.85$
Break Only	35A, 250VAC, $\cos \phi = 0.85$

### CONTACT DATA

Material		AgCdO
Initial Contact Resistance		50 mΩ max. at 0.1A, 6VDC
Service Life	Mechanical	5 x 10 <sup>5</sup> ops.
	Electrical	3 x 10 <sup>5</sup> ops.

### COIL DATA

Coil Voltage Code	Resistance (Ω) ±10%	Must Operate Voltage Range (VAC)	Must Release Voltage Range (VAC)	Power Consumption max.
3G	7500	180 - 195	40 - 105	5 VA
6N	15000	260 - 280	60 - 135	

### CHARACTERISTICS

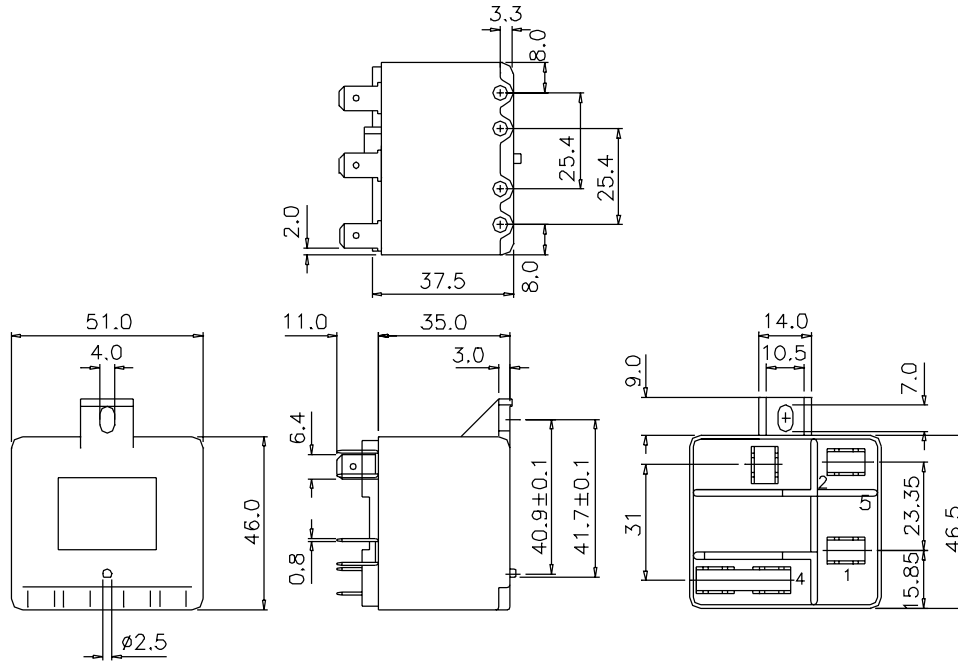
Operate Time	20 ms. max.
Release Time	20 ms. max.
Insulation Resistance	500 MΩ, at 500 VDC, 50%RH
Dielectric Strength	1200 Vrms, 1 min. between open contacts
Shock Resistance	10 g, 11ms. functional
Vibration Resistance	DA 1.5mm, 10 - 55 Hz
Ambient Temperature	-25°C to 85°C
Weight	100 g, approx.

### ORDERING DESIGNATION

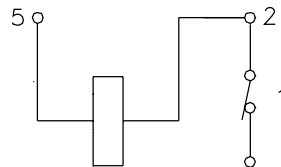
Example:	HG4506 /	3G -	D	2	C
Model					
Coil Voltage Code					
3G: 180 - 195 VAC					
6N: 260 - 280 VAC					
Contact Form					
D: 1 Form B					
Version					
1: Sealed; 2: Dust Cover					
Contact Material					
C: AgCdO; S: AgSnOInO					

## OVERALL DIMENSIONS, MOUNTING DIMENSIONS AND WIRING DIAGRAM (mm)

Overall Dimensions and Mounting Dimensions



Wiring Diagram



## NOTES

1. All parameters, unless otherwise specified, are measured at ambient temperature 23°C.
2. Custom-made services available with operational quantity. Please let us know your special requirements.
3. Specifications subject to change without prior notice.