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 Break Only	16A, 250VAC, cos φ = 0.85 35A, 250VAC, cos φ = 0.85

CONTACT DATA

Material		AgCdO
Initial Contact Resistance		50 mΩ max. at 0.1A, 6VDC
Service Life	Mechanical	5×10^5 ops.
	Electrical	3×10^5 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	-25ºC to 85ºC
Weight	100 g, approx.

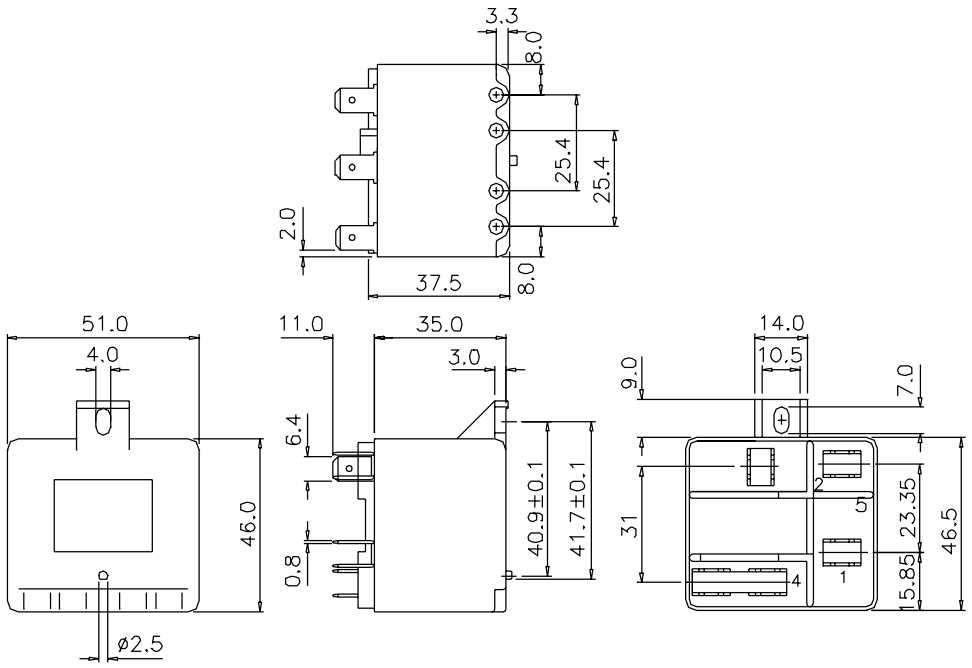
ORDERING DESIGNATION

Example:	HG4506 /	3G -	D	2	C

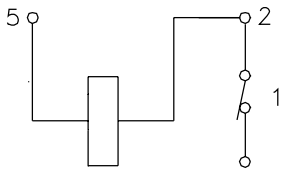
- Model
- Coil Voltage Code
  3G: 180 - 195 VAC
  6N: 260 - 280 VAC
- Contact Form
  D: 1 Form B
- Version
  1: Sealed; 2: Dust Cover
- Contact Material
  C: AgCdO; S: AgSnOInO

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.

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