

		Cat. No. 700-HP...	
Electrical Ratings			
Pilot Duty Rating ❷		C300, R300	
Rated Thermal Current (I_{th})		2-Pole — 8A	
Rated Insulation Voltage (U _i)		250V IEC, 300V UL/CSA	
Contacts	Inductive	2-Pole	
	120V AC, 1-phase	▶ ◀ 15 A	◀ ▶ 1.5 A
	240V AC, 1-phase	7.5 A	0.75 A
	Make, Break, & Continuous V DC	30V, 8 A	
Min. Permissible Contact Ratings		700-HP32 = 300 mW (5V, 5 mA) 700-HPX = 50 mW (5V, 5 mA)	
Permissible Coil Voltage Variation		80...110% of Nominal Voltage at 50 Hz 80...110% of Nominal Voltage at 60 Hz 73...150% of Nominal Voltage at DC	Drop-out: 20% of Nominal Coil Voltage AC Voltage: 10% of Nominal Coil Voltage DC
Sealed Power Consumption ±10% AC Coils		Max. Allowable Leakage OFF 25% of VA❸ 1.2 VA 50 Hz 1.0 VA 60 Hz	
DC Coils		Max. Allowable Leakage of 10% of W 0.5 W	
Design Specification/Test Requirements			
Dielectric Withstand Voltage for One Minute	Pole to Pole (VRMS)	2000V AC	
	Contact to Coil (VRMS)	5000V AC	
Mechanical			
Degree of Protection		Open Type (Sockets)	
Mechanical Life Operations		10 x 10 ⁶ (AC Coils), 20 x 10 ⁶ (DC coils)	
Switching Frequency Operations		1800/hr.	
Coil Voltages		See Overview/Product Selection	
Operating Time at Nominal Voltage at 20°C (ms)	Pickup	15	
	Dropout	12	
Maximum Operating Rate		16 Ops/s	
Vibration	Enclosure	5 G	
	Fragility	2.5 G	
Shock	Endurance	50 G	
	Fragility	15 G	
Max. Socket Torque		0.5 Nm (4.4 lb. - in.)	
Environmental			
Temperature	Operating	-40...+85°C	
	Storage	-45...+100°C	
Altitude		2000 m (6560 ft)	
Construction			
Insulating Material		Molded High Dielectric Material	
Enclosure		Transparent Dust Cover	
Contact Material		Silver Nickel, (AgNi), Silver Nickel + Gold Plating (AgNi + Au)	
Terminal Markings on Socket		In accordance with EN50 0005	
Sockets		2-Pole 700-HN123	
Approvals			
Certifications		CSA Certified, File LR75088, UL Recognized, File E3125, Guide NLDX 2, UL Listed, with Allen-Bradley socket, CE Marked (per EU Low Voltage Directive 73/23 EEC 93/68 EEC)	
Standards		IEC 255-1-00, IEC 255-23, CSA 22.2, UL 508	

- ❶ Performance Data – See page Important-2, publication A113.
- ❷ NEMA Rating Chart is on page 19.
- ❸ The inrush VA equals 1.5 times the sealed VA.