

Specifications

		Cat. No. 700-HV...	
Electrical Ratings			
Pilot Duty Rating†		NEMA B300	
Rated Thermal Current (I_{th})		10 A	
Rated Insulation Voltage (U_i)		250V IEC, 300V UL/CSA	
Contacts	Inductive	Make	Break
		▶][◀	▶][◀
	120V AC	30 A	3 A
	240V AC	15 A	1.5 A
	Resistive 28V DC	10 A	10 A
Permissible Coil Voltage Variation		85...110 of Nominal Voltage at 50 Hz 85...110 of Nominal Voltage at 60 Hz 80...110 of Nominal Voltage at DC	
Power Consumption ±10%	AC	24V AC	2 VA
		120V AC	4 VA
		240V AC	4 VA
	DC	1.3 W	
Design Specification/Test Requirements			
Dielectric Withstand Voltage	Pole-to-Pole, same circuit (VRMS)	1000V AC	
	Pole-to-Pole, different circuits (VRMS)	2000V AC	
	Contact-to-Coil (VRMS)	2000V AC	
Electrical Life Operations		100,000 minimum	
Switching Frequency Operations		1800/hr	
Coil Voltages		See product selection	
Mechanical			
Degree of Protection		Open Type (Guarded Terminal Sockets)	
Mechanical Life Operations		10 x 10 ⁶	
Switching Frequency Operations		18,000/hr	
Timing	Duty Cycle	Continuous	
Repeat Accuracy (constant voltage and temperature)		±2% (Time Delay: 0.1...2 s) ±1% (Time Delay: >2 s)	
Repeat Accuracy (variable voltage and temperature)		±10%	
Scale Tolerance	High End of Range	+5%	
	Low End of Range	-50%	
Reset Time		100 ms	
Environmental			
Temperature	Operating	-28...+65 °C (50 °C max., 240V AC coil) (-18...+149 °F) (122 °F max., 240V AC coil)	
	Storage	-55...+85 °C (-67...+185 °F)	
Altitude		2000 m (6560 ft.)	
Construction			
Insulating Material		Molded High Dielectric Material	
Enclosure		Impact Resistant Dust Cover	
Contact Material		Silver Cadmium Oxide	
Terminal Markings on Socket		In accordance with EN50 005	
Sockets		8-Pin Socket Cat. No. 700-HN100, -HN125	
Certifications		CSA Certified, File LR1234; UL Recognized, File E3125; Guide NLDX 2; Listed Ind. Cont. Eq. 700-HN100 and 700-HN125 sockets; CE Marked (per EU Low Voltage Directive 93/68 EEC)	
Standards		EN 61812; EN 60947-5-1; CSA 22.2; UL 508	

* Performance Data — See Important 2, Publication A115.

† NEMA Rating Chart is on page 19 of publication 700-SG003B-EN-P.