

Bulletin 700-HHF Flange Mount Power Relay

Bulletin 700-HHF


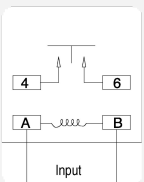
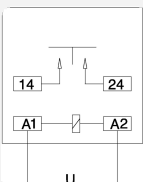
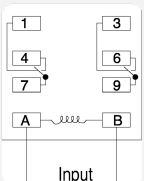
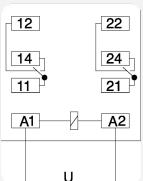
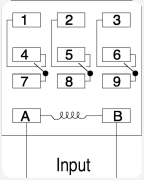
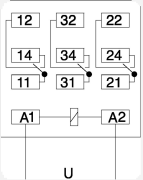
- Flange-Mounted
- Blade Style Quick Connect Terminals
- Solder Terminals (no socket)

Standards Compliance and Certifications

See Specifications.

Product Selection

Flange-Mounted Power Relay with Blade Style 0.250 x 0.032 in Quick Connect/Solder Terminations

Description	Contact Rating	Wiring Diagrams		Coil Voltage	Cat. No.
		U.S./Canada	International		
 SPST-NO-DM 1 Form X AgCdO Contacts	30 A (A600)			120V AC	700-HHF45A1
					24V DC
DPDT 2-Pole 2 Form C AgCdO Contacts	25 A (B600)			24V AC	700-HHF62A24
				120V AC	700-HHF62A1
				240V AC	700-HHF62A2
				12V DC	700-HHF62Z12
				24V DC	700-HHF62Z24
3PDT 3-Pole 3 Form C AgCdO Contacts	20 A (B300)			120V AC	700-HHF73A1

Specifications

Cat. No. 700-HHF...
Electrical Ratings

Pilot Duty Rating‡		SPST-NO-DM		NEMA A600						
		DPDT		NEMA B600						
		3PDT		NEMA B300						
Rated Thermal Current (I_{th})		SPST-NO-DM 30 A, DPDT 25A, 3PDT 20 A								
Rated Insulation Voltage (U_i)		250V IEC-300V UL/CSA								
Contacts	Inductive	SPST-NO-DM		H_p	DPDT		H_p	3PDT		H_p
		▶ ◀ ◀ ▶			▶ ◀ ◀ ▶			▶ ◀ ◀ ▶		
	120V AC	60 A	6 A	1	30 A	3 A	1	30 A	3 A	1/2
	240V AC	30 A	3.0 A	1-1/2	15 A	1.5 A	1-1/2	15 A	1.5 A	—
	DC	28V DC, 30 A		28V DC, 13 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								
Coil Consumption ±10%		AC Coils	Inrush	SPST-NO-DM		DPDT		3PDT		
				50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	
		DC Coils		1.4 W						
Max. Allowable Leakage		Sealed		4.8 VA	4.2 VA	4.8 VA	4.2 VA	4.8 VA	4.2 VA	
		25% of VA		10% of W						

Design Specification/Test Requirements

Dielectric Withstand Voltage	Pole-to-Pole	2200V AC
	Contact-to-Pole	2200V AC
	Contact-to-Frame	1600V AC

Mechanical

Mechanical Life Operations	5 x 10 ⁶	
Switching Frequency Operations	3600/Hr	
Coil Voltages	See Overview/Product Selection	
Operating Time at Nominal Voltage at 20 °C	Pickup	20 ms
	Dropout	15 ms
Maximum Operating Rate	4 Ops/s.	

Environmental

Temperature	Operating	-30...+50 °C
		(-22...+122 °F)
	Storage	-30...+100 °C
		(-22...+212 °F)
Altitude	2000 m (6560 ft)	

Construction

Insulating Material	Molded High Dielectric Material
Enclosure	Transparent Dust Cover
Contact Material	Silver Cadmium Oxide
Terminal Markings	In accordance with EN50 0005
Sockets	§
Certifications	cURus Recognized, File E3125, Guide NLDX2/NLDX8, CE Marked
Standards	UL 508, CSA 22.2 No.14, EN/IEC 60947-1, -5-1

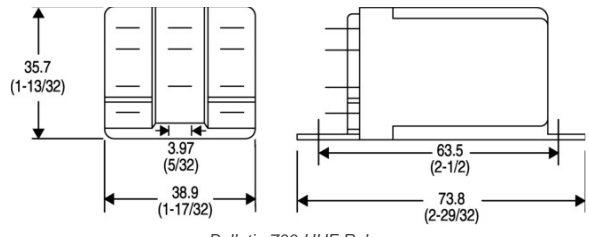
* Performance Data - See Performance Data, this catalog.

‡ NEMA Rating Chart is in 700-SG003_-EN-P.

§ Bulletin 700-HHF relay wiring and terminals are the quick connect/solder type 6.35 x 0.82 mm (0.250 x 0.032 in) termination.

Approximate Dimensions

Approximate Dimensions are shown in millimeters (inches). Approximate Dimensions are not intended to be used for manufacturing purposes.



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