

PCB Pin Style Safety Control Relay

Features

These small relays feature mechanically linked contacts required for safety circuits as per EN 50205 (Type B)

Visual

- Red cover provides quick identification of safety circuits
- Wiring diagram on top faceplate

Contact material options

- Silver nickel (AgNi)
- Silver nickel with gold plating (AgNi+Au)

Agency approvals

UL, CSA, IMQ and TUV Certified



Product Selection

Description	Contact Rating	Wiring Diagrams		Coil Voltage	Package Quantity	Cat. No.
		U.S./Canada	International			
DPDT 2-Pole 2 Form C AgNi + Au Gold Plated Mechanically Linked Contacts	8 A			6V DC	10	700-HPSXZ06
				12V DC	10	700-HPSXZ12
				24V DC	10	700-HPSXZ24
				48V DC	10	700-HPSXZ48
				60V DC	10	700-HPSXZ60
				110V DC	10	700-HPSXZ1
				125V DC	10	700-HPSXZ01
DPDT 2-Pole 2 Form C AgNi Mechanically Linked Contacts	8 A			6V DC	10	700-HPS2Z06
				12V DC	10	700-HPS2Z12
				24V DC	10	700-HPS2Z24
				48V DC	10	700-HPS2Z48
				60V DC	10	700-HPS2Z60
Sockets	8 A	700-HN123	700-HN123	125V DC	10	700-HPS2Z01



Product Specifications

Cat. No. 700-HPS...			
Contacts	Inductive	V AC	B300 1/2 Hp @ 240V AC 1/3 Hp @ 120V AC AC-1 2000VA
		V DC	DC-1: 8A @ 30V DC DC-1: 0.65A @ 110V DC DC-1: 0.2A @ 220V DC
	Resistive	AC	8 A @ 277V AC (per pole)
		DC	8 A @ 30V DC (per pole)
	Minimum Load	700-HPS2: 500 mW (10V, 10 mA) 700-HPSX: 50 mW (5V, 5 mA)	
Nominal Coil Power (AC/DC)		0.7 W	
Operating Range (AC/DC)		75...120% Nominal Voltage DC	
Holding Voltage (AC/DC)		40% Nominal Voltage DC	
Must Drop Out Voltage (AC/DC)		10% Nominal Voltage DC	
Insulation Voltage		250V AC	
Design Specification/Test Requirements			
Dielectric Withstand Voltage for one minute	Pole to Pole (VRMS)	2000V AC	
	Contact to Coil (VRMS)	4000V AC	
Mechanical			
Degree of Protection		Open Type (Sockets)	
Mechanical Life Cycles		10 x 10 ⁶ (DC Coils)	
Switching Frequency Operations		900/hr (no load)	
Coil Voltages		See Overview/Product Selection	
Operating Time at Nominal Voltage at 20 °C (ms)	Pickup	10	
	Dropout	4	
Maximum Operating Rate		8 Ops/s (full load)	
Vibration	Enclosure	5 G	
	Fragility	2.5 G	
Shock	Endurance	50 G	
	Fragility	15 G	
Max. Socket Torque		0.5 N•m (4.4 lb•in)	
Environmental			
Temperature	Operating	-40...+70 °C	
	Storage	-50...+80 °C	
Altitude		2000 m (6560 ft)	
Construction			
Insulating Material		Molded High-Dielectric Material	
Enclosure		Red Transparent Dust Cover	
Contact Material		Silver Nickel, (AgNi) (700-HPS2), Silver Nickel + Gold Plating (AgNi + Au) (700-HPSX)	
Terminal Markings on Socket		In accordance with EN50 0005	
Sockets	2-Pole		
	700-HN123		
Approvals			
Certifications		cURus Recognized (File No. E3125, Guide NLDX2/NLDX8), cULus Listed when used with Bulletin 700-HN123 socket (File No. E3125, Guide NLDX/NLDC7), CSA Certified (files 229473), CE Marked, LR Certified (700-HP), IMQ & TUV Certified (700-HPS)	
Standards		UL 508, CSA 22.2 No. 14, EN 61810-1, EN 60998-1, EN 60998-2, EN 50205 (700-HPS)	

* See Performance Data.

NEMA Rating Chart is in publication 700-SG003.*

§ The inrush VA equals 1.5 times the sealed VA.

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