

Product Details and Certifications

Cross Reference RA Part Number: 700-P000A1 E

Product: **700-P000A1**

Description: NEMA Heavy-Duty Industrial Relay , 10 Amp AC Contact Rating, 110V 50Hz / 115-120V 60Hz, Open Type DIN Rail Mount



Representative Photo Only (actual product may vary based on configuration selections)

CONTROL RELAY DATA

AC or DC Control Voltage?	AC Control Voltage
Contact Current Rating	10 A
Time Delay Contact	Relay w/ Standard and Time Delay Contacts
Contact Configuration	Blank Relay
Mounting Type	Open Type DIN Rail Mount
Coil Voltage	110V 50Hz / 115-120V 60Hz

ENCLOSURE DATA

Enclosure Type	Open Style Device
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CERTIFICATIONS AND APPROVALS

UL
CSA
CE


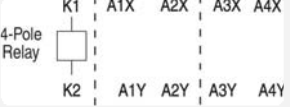
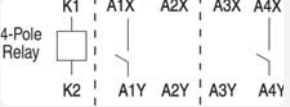
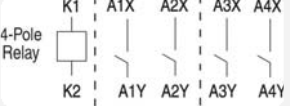
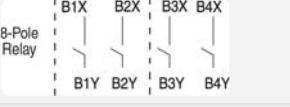

RECOMMENDED SPARE PARTS

PA-236	COIL,120V 60HZ FOR RELAY
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Bulletin 700-P, 700DC-P Industrial Relays


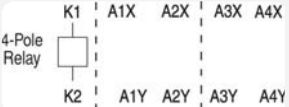
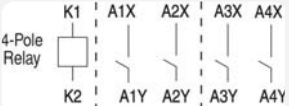
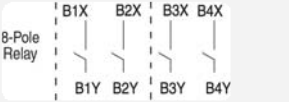
Standard Contact Cartridge (10 A)

AC-Operated Relays - In-stock Contact Configurations

	Contacts N.O.*	Contact Arrangement and Markings	Open Type, DIN Rail, or Relay Rail Mount (700-MP)		
			120V AC	240V AC	480V AC
	0		700-P000A1	—	—
	2		700-P200A1	—	—
	4		700-P400A1	700-P400A2	700-P400A4
	8		700-P800A1	—	—
	12		700-P1200A1	—	—

* Factory assembled N.O. contacts can be easily to N.C. in the field.

DC-Operated Relays - In-stock Contact Configurations

	Contacts N.O.*	Contact Arrangement and Markings	Open Type Relay Rail Mount ‡	
			24V DC	120V DC
			Cat. No.	Cat. No.
	0		700DC-P000Z24	—
	4		700DC-P400Z24	700DC-P400Z1
	8		700DC-P800Z24	—

* Factory assembled N.O. contacts can be easily to N.C. in the field.

‡ For DIN Rail mounting, order Cat. No. 700-DRA.

⊗ AC Coil Voltage Code

Hz	24	110	115-120	200-208	230-240	277	460-480	575-600
50	—	A1	—	—	—	—	—	—
60	A24	—	A1	A20	A2	A27	A4	A6

⊗ DC Coil Voltage Code

24	48	72	115-125	230-250	575-600
Z24	Z48	Z72	Z1	Z2	Z6



Type		700-P, PL, PT						700-PK, PKL, PKT						700-PH							
Electrical																					
Contact Rating Continuous		10 A @ 600V AC 5 A @ 600V DC						20 A @ 600V AC 10 A @ 600V DC						35 A @ 600V AC 20 A @ 600V DC							
Ratings Make/Break	AC	NEMA A600						2 x NEMA A600						2 x NEMA A600							
	DC	NEMA P600						2 x NEMA P600						2 x NEMA P600							
Additional Contact Ratings for AC single-phase loads		—						3 Hp @ 240V AC - N.O. 2 Hp @ 240V AC - N.O./N.C. 1 Hp @ 120V AC - N.O./N.C. 20 A Resistive Heating to 600V AC 20 A Tungsten Lighting Load to 480V AC						5 Hp @ 240V AC - N.O. 3 Hp @ 240V AC - N.O./N.C. 2 Hp @ 120V AC - N.O./N.C. 35 A General Use At 0.75 PF to 600V AC 35 A Tungsten Lighting Load to 480V AC							
DC Current Ratings Make/Break		Cartridge Cat. No. 700-CP1						Cartridge Cat. No. 700-CPM						Cartridge Cat. No. 700-CPH							
DC Switching		Volts DC																			
		Contacts in Series	24	64	125	250	500	600	24	64	125	250	500	600	24	64	125	250	500	600	
		1	5 A	2.2 A	1.1 A	.55 A	.24 A	.2 A	10 A	5 A	2.2 A	.55 A	.24 A	.2 A	10 A	5 A	2.2 A	.55 A	.24 A	.2 A	
		2	10 A	10 A	5 A	2 A	.7 A	.5 A	20 A	10 A	5 A	2 A	.7 A	.5 A	20 A	10 A	5 A	2 A	.7 A	.5 A	
		3	—	—	7 A	3 A	1.5 A	1.0 A	—	15 A	7 A	3 A	1.5 A	1.0 A	—	15 A	7 A	3 A	1.5 A	1.0 A	
		4	—	—	10 A	5 A	2.5 A	1.5 A	—	20 A	10 A	5 A	2.5 A	1.5 A	—	20 A	10 A	5 A	2.5 A	1.5 A	
Coil Voltage Range		AC	85...110%						85...110%						85...110%						
		DC	80...110%						80...110%						80...110%						
		Battery Charging	85...115%						85...115%						85...115%						
Coil Consumption P-PH-PK		A	50 Hz			60 Hz			50 Hz			60 Hz			50 Hz			60 Hz			
			Inrush	132VA*			138VA*			132VA*			138VA*			132VA*			138VA*		
		C	Sealed	19.3VA*			19VA*			19.3 VA*			19VA*			19.3VA*			19VA*		
			D	Inrush	12.7VA*						12.7VA*						12.7VA*				
		C	Sealed	12.7VA*						12.7VA*						12.7VA*					
PLL - PKLL AC Latch Unit		Inrush	15VA*			15.6VA*			5VA*			15.6VA*			15VA*			15.6VA*			
		Sealed	5.4VA*			5.5VA*			5.4VA*			5.5VA*			5.4VA*			5.5VA*			
PLL - PKLL DC Latch Unit		Unlatch	35VA*						35VA*						—						
		Intermittent	35 W*						35 W*						—						
Reset Time		PT - PKT	75 ms						75 ms						—						
Minimum Pulse		PLL-PKLL	75 ms						75 ms						—						
Mechanical																					
Operating Time		Pickup	AC - 10...20 ms DC - 30...50 ms						AC - 10...20 ms DC - 30...50 ms						AC - 10...20 ms DC - 30...50 ms						
		Dropout	AC - 10...20 ms DC - 20...33 ms						AC - 10...20 ms DC - 20...33 ms						AC - 10...20 ms DC - 20...33 ms						
Mechanical Life		10 million operations																			
Construction																					
Contact Arrangement		Up to 12 Poles, Convertible to N.O. or N.C. (8 N.C. Maximum)						Up to 12 Poles, Convertible to N.O. or N.C. (8 N.C. Maximum)						Up to 6 Poles, Convertible to N.O. or N.C. (4 N.C. Maximum)							
Contact Material		Nickel Silver						Silver Cadmium Oxide						Silver Cadmium Oxide							
Mounting		Panel or Strip Mount Horizontal Mounting Recommended						Panel or Strip Mount Horizontal Mounting Recommended						Panel or Strip Mount Horizontal Mounting Recommended							
Environmental																					
Temperature		Operating*	-20...+65 °C (-4...149 °F)						-20...+65 °C (-4...149 °F)						-20...+65 °C (-4...149 °F)						
		Storage	-40...+65 °C (-40...149 °F)						-40...+65 °C (-40...149 °F)						-40...+65 °C (-40...149 °F)						
Certifications		CSA Certified, CSA File #LR1234, UL Listed, UL File #E14840, Guide NKCR, CE Certified, ABS																			
Standards		UL 508, CSA C22.2 No. 14, EN/IEC 60947-1, -5-1																			
Wire Terminations																					
Wire size per UL/CSA		#18 AWG...(2) #12 AWG																			
Tightening Torque		8...12 lb•in (0.9...1.4 N•m)																			

* Temperature inside the panel.

* Average value for all coils within range. For values on a specific coil voltage, contact your local Rockwell Automation sales office or Allen-Bradley distributor.