

Product Details and Certifications

Cross Reference RA Part Number: 700-PT400B11 E

➔ **Product: 700-PT400B11**

Description: 700-P NEMA Control Relay , 4 N.O. Contacts, 10 Amp AC
Contact Rating, 110-115V 50 Hz / 120V 60Hz



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
Relay Type	Control Relay w/ Pneumatic Timing Attachment
Time Delay Contact	Relay w/ Standard and Time Delay Contacts
Contact Configuration	4 N.O.
Coil Voltage	110-115V 50 Hz / 120V 60Hz

CERTIFICATIONS AND APPROVALS

UL
CSA
CE



Time Delay Relays — Open Type With Pneumatic Time-Delay Attachment

- Factory-Assembled Bulletin 700-PT and PKT Timing Relays
 - Timing Range — 0.1...60 s
 - 0, 2, or 4 instantaneous contacts
 - Two timed contacts — both ON Delay or both OFF Delay
 - Convertible from ON Delay to OFF Delay and vice versa
 - Standard contact cartridges rated NEMA A600 (AC) and P600 (DC)
 - Master contact cartridges rated 2X NEMA A600 (AC) and 2X P600 (DC)

Bulletin 700-P Standard Contact Cartridge*❄

AC-Operated Relays				DC-Operated Relays			
Contacts		Contact Arrangement and Markings	Open Type Relay Rail Mount	Contact Arrangement and Markings	Open Type Relay Rail Mount	Open Type DIN Rail Mount	
N.O.	N.C.		Cat. No.		Cat. No.	Cat. No.	
0	—	Relay with only time delay contacts	700-PPT ❄	Relay with only time delay contacts	700DC-PPT❄	700DC-PPTD❄	
2	—		700-PT200 ❄		700DC-PT200❄	700DC-PT200D❄	
4	—		700-PT400 ❄		700DC-PT400❄	700DC-PT400D❄	

Bulletin 700-PK Master Contact Cartridges*

AC-Operated Relays				DC-Operated Relays			
Contacts		Contact Arrangement	Open Type Relay Rail Mount	Contact Arrangement	Open Type Relay Rail Mount	Open Type DIN Rail Mount	
N.O.	N.C.		Cat. No.		Cat. No.	Cat. No.	
0	—	Relay with only time delay contacts	700-PPKT❄	Relay with only time delay contacts	700DC-PPKT❄	700DC-PPKTD❄	
2	—		700-PKT200❄		700DC-PKT200❄	700DC-PKT200D❄	
4	—		700-PKT400❄		700DC-PKT400❄	700DC-PKT400D❄	

⊗AC Coil Voltage Code

The Cat. No. as listed is incomplete. Select a voltage suffix code from the table below to complete the Cat. No. Example: **Cat. No. 700-PKT200**❄ becomes **Cat. No. 700-PKT200A48** for 48V 60 Hz. For other coil voltages, consult your local Rockwell Automation sales office or Allen-Bradley distributor.

Hz	24	48	110	110-115	115-120	120	127	200-208	220-230	230-240	277	347	380	415	440-480	460-480	500	575-600
50	B24	B48	A1❄	B11+❄	—	—	B27	—	B22	B2	—	—	B3	B41	B44	—	B50	—
60	A24	A48	—	—	A1❄	B11+❄	—	A20	A22	A2	A27	A35	—	—	—	A4	—	A6

❄ Optimized for 115...120V, 60 Hz. Operates satisfactorily at 110V, 50 Hz.

+ Optimized for 110...115V, 50 Hz. Operates satisfactorily at 120V, 60 Hz.

⊗DC Coil Voltage Code

The Cat. No. as listed is incomplete. Select a voltage suffix code from the table below to complete the Cat. No. Example: **Cat. No. 700DC-PKT200**❄ becomes **Cat. No. 700DC-PKT200Z12** for 12V DC. For other coil voltages, consult your local Rockwell Automation sales office or Allen-Bradley distributor.

6	12	18	24	32	48	64	72	90	115-125	230-250	500-550	575-600
Z06	Z12	Z18	Z24	Z32	Z48	Z64	Z72	Z90	Z1	Z2	Z5	Z6

* **Normally closed contacts:** The normally open contacts can easily be changed to normally closed in the field. Relays can be supplied with N.C. contacts.

❄ **Overlap contacts:** N.O. contact closes before N.C. contact opens. To order a relay containing one pair: Use **Cat. No. 700-PTZ110**. To order a relay containing two pairs: Use **Cat. No. 700-PTZ220**. AC Ratings: NEMA A600, DC Ratings: P161.

‡ Location of contacts in 2-pole relays.

* Timer has 1 N.O. and 1 N.C. convertible cartridge in addition to the instantaneous cartridges on the relay. Timer is supplied as On-Delay. Convertible to Off-Delay in the field.

‣ The timer has 1 N.O. and 1 N.C convertible master cartridge in addition to the instantaneous master cartridges on the relay. Timer is supplied as On-Delay. It is convertible to Off-Delay in the field.



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																			
		24	64	125	250	500	600	24	64	125	250	500	600	24	64	125	250	500	600		
		480W	480W	275W	138W	135W	120W	480W	480W	275W	138W	135W	120W	480W	480W	275W	138W	135W	120W		
		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				50 Hz			60 Hz			50 Hz			60 Hz			50 Hz			60 Hz		
		A	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.