



IEC Control Relays

Product Overview

		
Bulletin No.	700-CF and 700S-CF	700-K
Type	Control Relay	Miniature Control Relay
Features	<ul style="list-style-type: none"> • Mechanically linked contacts • Timer and latch operations • Switch up to 690V AC and DC • 700S-CF for safety circuits 	<ul style="list-style-type: none"> • Smallest size • Long life • Low power consumption • Switch up to 690V AC and DC
Contact Form	4...12 poles, double break	4...8 Poles Double Break
Contact Type	Cross stamp or bifurcated	Bifurcated
Contact Material	Silver, gold	Silver
Electrical		
Max. Current AC Resistive	20 A (relay) 10 A (adder deck)	10 A
Min. load	17V, 10 mA (Silver) 5V, 3 mA (Gold)	15V, 2 mA (700-K)
Coil Voltage	12...600V AC 9...250V DC	12...600V AC 9...250V DC
Coil Voltage Pickup	85...110% AC coils, 80...110% DC coils	85...110% AC Coils, 80...110% DC Coils
Dielectric Withstand	2.5 kV	2640V
Reference		
Electric Service Life (cycles)	1.2 million at 10 A	800K at 10 A 120V AC
Certifications	CE, cULus, CCC	CE, cULus, CCC
Sockets	DIN Rail or panel mount	DIN Rail or panel mount
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700-CF Control Relay

- IEC industrial relays
- Mechanically linked contact performance per IEC 60947-5-1
- Gold plated, bifurcated version for low level switching applications
- Master control relay version rated 15 A (AC-15)
- Solid-state and pneumatic timing modules
- 4-...10 Poles

4-Pole AC Coil Voltage (Ratings for 700-CF Only)

AC-12		AC-15							Connection Diagrams	Contacts		Standard Contacts ⁽¹⁾	Gold Plated Bifurcated Contacts ⁽²⁾	Master Contacts ⁽²⁾
I _{th} [A]		I _e [A]								N.O.	N.C.			
40 °C	60 °C	24/48V	120V	240V	400V	500V	600V	690V				Cat. No.	Cat. No.	Cat. No.
20	20	10	10	10	6	2.5	1	1		2	2	700-CF220⊗	700-CFB220⊗	700-CFM220⊗
										3	1	700-CF310⊗	700-CFB310⊗	700-CFM310⊗
										4	0	700-CF400⊗	700-CFB400⊗	700-CFM400⊗
										0	4	700-CF040⊗	700-CFB040⊗	—

(1) For spring clamp terminals, insert R after 700-C. Example: Cat. No. 700-CRF220D.

(2) All Cat. Nos. are factory-stocked.

⊗ AC Coil Voltage Code

The cat. no. as listed is incomplete. Select a coil voltage code from the table below to complete the cat. no. Example: Cat. No. 700-CF220⊗ becomes Cat. No. 700-CF220D for 120V, 60 Hz.

[V]	12	24	32	36	42	48	100	100... 110	110	120	127	200	200... 220	208	208... 240	220... 230	230	230... 240	240
50 Hz	R	K	V	W	X	Y	KP	—	D	P	S	KG	L	—	—	F	—	VA	T
60 Hz	Q	J	—	V	—	X	—	KP	—	D	—	—	KG	H	L	—	—	—	A
50/60 Hz	—	KJ	—	—	—	KY	KP	—	KD	—	—	KG	KL	—	—	KL	KF	—	KA

[V]	277	347	380	380... 400	400	400... 415	440	480	500	550	600
50 Hz	—	—	—	N	—	G	B	—	M	C	—
60 Hz	T	I	E	—	—	—	N	B	—	—	C
50/60 Hz	—	—	—	—	KN	—	KB	—	—	—	—