

General

		Main Relay Cat. Nos. 700-CF, 700S- CF	Front Mounted Standard Auxiliary Contacts	Main Relay Cat. No. 700-CFB, 700S- CFB	Master Relay Cat. No. 700-CFM	Front Mounted Bifurcated Auxiliary Contacts	Side-mounted Auxiliary Contacts		
Contact Ratings — NEMA		A600, P600	A600, Q600	A600, Q600	2 x A600, P600	A600, Q600	A600, Q600		
Min. Contact Rating		17V, 10 mA	17V, 5 mA	8V, 5 mA	—	5V, 3 mA	17V, 10 mA		
Contact Ratings — IEC AC-15 (solenoids, contactors) at rated voltage IEC 60947-5-1		24V	10 A	6 A	3 A	15 A	3 A	6 A	
		48V	10 A	6 A	3 A	15 A	3 A	6 A	
		120V	10 A	6 A	3 A	15 A	3 A	6 A	
		240V	10 A	5 A	3 A	15 A	3 A	5 A	
		400V	6 A	3 A	2 A	7.5 A	2 A	3 A	
		480V/500V	2.5 A	1.6 A	1.2 A	5 A	1.2 A	1.6 A	
		600V	1 A	1 A	0.7 A	2 A	0.7 A	1 A	
		690V	1 A	1 A	0.7 A	2 A	0.7 A	1 A	
AC-12 (Control of resistive loads) IEC 60947-5-1	40 °C	I _{th}	20 A	10 A	10 A	20 A	10 A	10 A	
		230V	8 kW						
		400V	14 kW						
		690V	24 kW						
	60 °C	I _{th}	20 A	6 A	6 A	20 A	6 A	6 A	
		230V	8 kW						
		400V	14 kW						
		690V	24 kW						
DC-12 Switching DC Loads L/R < 1ms, Resistive Loads IEC 60947-5-1		24V	15 A	10 A	6 A	20 A	6 A	6 A	
		48V	10 A	9 A	3.2 A	20 A	3.2 A	3.2 A	
		110V	6 A	3.5 A	1 A	8 A	1 A	1 A	
		220V	1 A	0.7 A	0.5 A	1.5 A	0.5 A	0.5 A	
		440V	0.4 A	0.2 A	0.2 A	0.4 A	0.2 A	0.2 A	
DC-13 IEC 60947-5-1, Solenoids and contactors		24V	5 A	5 A	2.5 A	5 A	2.5 A	5 A	
		48V	3 A	3 A	1.5 A	3 A	1.5 A	2.5 A	
		110V	1.2 A	1.2 A	0.6 A	1.2 A	0.6 A	0.68 A	
		220V	0.6 A	0.6 A	0.3 A	0.6 A	0.3 A	0.32 A	
		440V	0.3 A	0.15 A	0.15 A	0.3 A	0.15 A	0.15 A	
		Location of welded N.O. contacts		State of N.C. Contacts if N.O. contact welds					
				Main		Front aux.		Side aux.	
Mechanically Linked Contacts†		Main		Open		Open		Open★	
		Front aux.		Open		Open		—	

★ Side mounted auxiliary contacts provide “mirror contact” performance with main poles only.

† Defined in IEC 60947-5-1 annex L. Mechanically linked is a relationship between contacts of opposite types (i.e., N.O. and N.C.).

			Cat. No. 700-CF	Aux./Pneu matic Timer Contact (Front- mounted)
Mechanical Life		[Mil]	15	5
Electrical Life	AC-15 (240V, 3 A)	[Mil]	1.5	1.5
Weight	AC Coil	[g]	390	—
Terminal Cross-Sections				
Terminal Type				
Terminal Size per IEC60 947-1			2 x A4	2 x A4
	Solid/ Stranded	1 Conductor	[mm ²]	1.5...6
	★	2 Conductor	[mm ²]	0.5...2.5
Max. Wire Size per UL/CSA		[AWG]	16...10	18...14
Tightening Torque		[lb-in]	13.3...17.7	8.9...13.3
Tightening Torque		[N·m]	1.5...2.0	1...1.5

★ For 16 or more strands, end ferrule is required.

DC Switching Ratings for 700-CF Main Poles in Series (Resistive Load at 60 °C)			
	1 pole	2 poles	3 poles
24/48V	15/10 A	25 A	25 A
125V	6 A	25 A	25 A
220V	1.5 A	8 A	25 A
440V	0.4 A	1 A	3 A