

Technical Information

Motor/Load Ratings		
Terminals	1/L1, 3/L2, 5/L3, 2/T1, 4/T2, 6/T3	
Terminal Style Devices		
Rated Insulation Voltage - (U_i)	[V]	690V AC
Rated Operating Voltage - (U_o) IEC	[V]	690V AC
Rated Operating Voltage - (U_o) UL	[V]	600V AC
Pass-thru Style Devices		
Rated Insulation Voltage - (U_i)	[V]	1000V AC
Rated Operating Voltage - (U_o) IEC	[V]	1000V AC
Rated Operating Voltage - UL/CSA	[V]	600V AC
Rated Impulse Voltage - (U_{imp})	[kV]	6 kV AC
Rated Operating Current - (I_o)	See product selection table	
Rated Frequency	[Hz]	45...65

Control Relay Ratings

Relay N.O./N.C.		
Type of Contacts	Ag/Ni	
Rated Thermal Current (I_{the})	B600: 5.0 A; C600: 2.5 A; R300: 1.0 A	
Contact Reliability	[V]	17 V, 5 mA
Rated Insulation Voltage - (U_i)	[V]	690V AC
Rated Operation Voltage - (U_o)	[V]	690 AC (IEC) / 600 AC (UL/CSA)
Rated Operating Current (I_o)	[V]	B600: 3 A (@120V AC), 1.5 A (@240V AC)
	[V]	C600: 1.5 A (@120V AC), 0.75 A (@240V AC)
	[V]	R300: 0.22 A (@125V DC), 0.11 A (@250V DC)
Minimum Operating Current	[V]	10 mA @ 5V DC
Rating Designation	N.O. C600 / N.C. B600 (AC) N.O. / N.C. R300 (DC)	
Utilization Category	AC-15/DC-13	
B600 VA Rating	3,600VA make / 360VA break	
C600 VA Rating	1,800VA make / 180VA break	
R300 VA Rating	28VA make / 28VA break	

Rated Number of Mechanical Operations

Relay N.O./N.C.	
W/ CA7-9...CA7-37	10,000
W/ CA7-43...CA7-55	13,000,000
W/ CA7-60...CA7-97	12,000,000
	6,000,000

Table for using Current Transformers with CEP7-1E_C_ (range 1.0...5.0 amps) overload relay

Current Setting	CT Ratio 150:5 Equivalent FLA	CT Ratio 200:5 Equivalent FLA	CT Ratio 300:5 Equivalent FLA	CT Ratio 500:5 Equivalent FLA	CT Ratio 600:5 Equivalent FLA	CT Ratio 800:5 Equivalent FLA	CT Ratio 1000:5 Equivalent FLA	CT Ratio 1500:5 Equivalent FLA
1.00	30	40	60	100	120	160	200	300
1.25	38	50	75	125	150	200	250	375
1.50	45	60	90	150	180	240	300	450
1.75	53	70	105	175	210	280	350	525
2.00	60	80	120	200	240	320	400	600
2.25	68	90	135	225	270	360	450	675
2.50	75	100	150	250	300	400	500	750
2.75	83	110	165	275	330	440	550	825
3.00	90	120	180	300	360	480	600	900
3.25	98	130	195	325	390	520	650	975
3.50	105	140	210	350	420	560	700	1050
3.75	113	150	225	375	450	600	750	1125
4.00	120	160	240	400	480	640	800	1200

① For multiple conductor applications, the same size and style wire must be used.