

Contactors & Thermal Relays

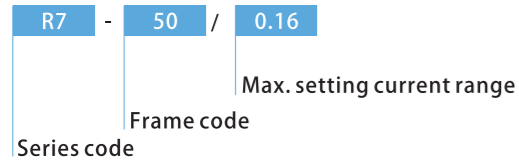
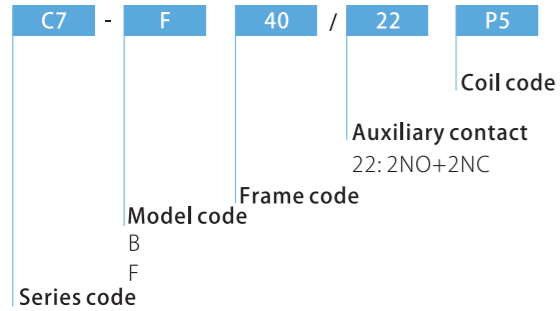
Series 3SC7 and 3SR7



Applications and functions

- Used for controlling 3-phase motors and generally for controlling power circuits.
- Used for many other applications such as isolation, capacitor switching and lighting.

Instruction of type code



Selection and ordering data

3SC7-B contactor



Rated operating current 400V AC-3 (A)	Conventional thermal current (A)	Standard power ratings of 3 phase motors 50-60Hz AC-3		Auxiliary contact	Type code	Order code
		380V 400V (KW)	660V 690V (KW)			
9	22	4	5.5	2 2	C7 B4022P5	15961
12	22	5.5	7.5	2 2	C7 B4122P5	15962
16	35	7.5	11	2 2	C7 B4222P5	15963
22	35	11	11	2 2	C7 B4322P5	15964
22	35	15	15	2 2	C7 B4422P5	15965



Contactors & Thermal Relays

Series 3SC7 and 3SR7



3SC7-F contactor



Rated operating current 400V AC-3 (A)	Conventional thermal current (A)	Standard power ratings of 3 phase motors 50-60Hz AC-3			Auxiliary contact	Type code	Order code
		220V 230V (KW)	380V 400V (KW)	660V 690V (KW)			
9	20	2.4	4	5.5	2 2	C7 F4022P5	14810
12	20	3.3	5.5	7.5	2 2	C7 F4122P5	14811
16	30	4	7.5	11	2 2	C7 F4222P5	14812
22	30	5.5	10	15	2 2	C7 F4322P5	14813
32	55	8.5	15	22	2 2	C7 F4422P5	14814
38	55	11	18.5	22	2 2	C7 F4522P5	14815
45	80	15	22	37	2 2	C7 F4622P5	14816
63	80	18.5	30	55	2 2	C7 F4722P5	14817
75	100	22	37	55	2 2	C7 F4822P5	14818
85	100	26	45	75	2 2	C7 F4922P5	14819
110	160	37	55	90	2 2	C7 F5022P5	14820
140	160	43	75	110	2 2	C7 F5122P5	14821
170	200	55	90	150	2 2	C7 F5222P5	14822
205	210	64	110	160	2 2	C7 F5322P5	14823
250	300	78	132	220	2 2	C7 F5422P5	14824
300	300	93	160	250	2 2	C7 F5522P5	14825
400	400	125	200	355	2 2	C7 F5622P5	14826
630	630	200	335	560	2 2	C7 F6822P5	15912

3SC7-FN reversing contactors



Rated operating current 400V AC-3 (A)	Conventional thermal current (A)	Standard power ratings of 3 phase motors 50-60Hz AC-3			Auxiliary contact	Type code	Order code
		220V 230V (KW)	380V 400V (KW)	660V 690V (KW)			
9	20	2.4	4	5.5	2 2	C7 FN4022P5	15776
12	20	3.3	5.5	7.5	2 2	C7 FN4122P5	15777
16	30	4	7.5	11	2 2	C7 FN422P52	15778
22	30	5.5	10	15	2 2	C7 FN4322P5	15779
32	55	8.5	15	22	2 2	C7 FN4422P5	15780
38	55	11	18.5	22	2 2	C7 FN4522P5	15781
45	80	15	22	37	2 2	C7 FN4622P5	15782
63	80	18.5	30	55	2 2	C7 FN4722P5	15783
75	100	22	37	55	2 2	C7 FN4822P5	15784
85	100	26	45	75	2 2	C7 FN4922P5	15785
110	160	37	55	90	2 2	C7 FN5022P5	15786
140	160	43	75	110	2 2	C7 FN5122P5	15787
170	200	55	90	150	2 2	C7 FN522P52	15788
205	210	64	110	160	2 2	C7 FN5322P5	15789
250	300	78	132	220	2 2	C7 FN5422P5	15790
300	300	93	160	250	2 2	C7 FN5522P5	15791
400	400	125	200	355	2 2	C7 FN5622P5	15792

Contactors & Thermal Relays

Series 3SC7 and 3SR7



3SR7 thermal relay matched with contactor 3SC7

Current setting range (A)	Rated operating current (A)	Contactor Matched	Type code	Order code
0.1-0.16	12.5	3SC7-F4022	R7 50/0.16	15794
0.16-0.25		3SC7-F4122	R7 50/0.25	15795
0.25-0.4		R7 50/0.4	15796	
0.4-0.63		R7 50/0.63	15797	
0.63-1		R7 50/1	15798	
0.8-1.25		R7 50/1.25	15799	
1-1.6		R7 50/1.6	15800	
1.25-2		R7 50/2	15801	
1.6-2.5		R7 50/2.5	15802	
2-3.2		R7 50/3.2	15803	
2.5-4		R7 50/4	15804	
3.2-5		R7 50/5	15805	
4-6.3		R7 50/6.3	15806	
5-8		R7 50/8	15807	
6.3-10		R7 50/10	15808	
8-12.5		R7 50/12.5	15809	
10-14.5	R7 50/14.5	15810		
0.1-0.16	25	3SC7-F4222	R7 52/0.16	15811
0.16-0.25		3SC7-F4322	R7 52/0.25	15812
0.25-0.4		R7 52/0.4	15813	
0.4-0.63		R7 52/0.63	15814	
0.63-1		R7 52/1	15815	
0.8-1.25		R7 52/1.25	15816	
1-1.6		R7 52/1.6	15817	
1.25-2		R7 52/2	15818	
1.6-2.5		R7 52/2.5	15819	
2-3.2		R7 52/3.2	15820	
2.5-4		R7 52/4	15821	
3.2-5		R7 52/5	15822	
4-6.3		R7 52/6.3	15823	
5-8		R7 52/8	15824	
6.3-10		R7 52/10	15825	
8-12.5		R7 52/12.5	15826	
10-16	R7 52/16	15827		
12.5-20	R7 52/20	15828		
16-25	R7 52/25	15829		
4-6.3	32	3SC7-F4422	R7 54/6.3	15830
6.3-10		3SC7-F4522	R7 54/10	15831
10-16		R7 54/16	15832	
12.5-20		R7 54/20	15833	
16-25		R7 54/25	15834	
20-32	R7 54/32	15835		
16-25	80	3SC7-F4622	R7 58/25	15836
20-32		3SC7-F4722	R7 58/32	15837
25-40		3SC7-F4822	R7 58/40	15838
32-50		3SC7-F4922	R7 58/50	15839
40-57		R7 58/57	15840	
50-63		R7 58/63	15841	
57-70		R7 58/70	15842	
63-80		R7 58/80	15843	



Contactors & Thermal Relays

Series 3SC7 and 3SR7



3SR7 thermal relay matched with contactor 3SC7

Current setting range (A)	Rated operating current (A)	Contactor Matched	Type code	Order code
0.1-0.16	63	Mounted separately	R7 59/0.16	14828
0.16-0.25			R7 59/0.25	14829
0.25-0.4			R7 59/0.4	14830
0.4-0.63			R7 59/0.63	14831
0.63-1			R7 59/1	14832
0.8-1.25			R7 59/1.25	14833
1-1.6			R7 59/1.6	14834
1.25-2			R7 59/2	14835
1.6-2.5			R7 59/2.5	14836
2-3.2			R7 59/3.2	14837
2.5-4			R7 59/4	14838
3.2-5			R7 59/5	14839
4-6.3			R7 59/6.3	14840
5-8			R7 59/8	14841
6.3-10			R7 59/10	14842
8-12.5			R7 59/12.5	14843
10-16	R7 59/16	14844		
12.5-20	R7 59/20	14845		
16-25	R7 59/25	14846		
20-32	R7 59/32	14847		
25-40	R7 59/40	14848		
32-45	R7 59/45	14849		
40-57	R7 59/57	14850		
50-63	R7 59/63	14851		
55-80	180	3SC7-F5222	R7 62/80	14852
63-90		3SC7-F5322	R7 62/90	14853
80-110		R7 62/110	14854	
90-120		R7 62/120	14855	
110-135		R7 62/135	14856	
120-150		R7 62/150	14857	
135-160	R7 62/160	14858		
150-180	R7 62/180	14859		
80-125	400	3SC7-F5422	R7 66/125	15844
125-200		3SC7-F5522	R7 66/200	15845
180-250		3SC7-F5622	R7 66/250	15846
200-320		R7 66/320	15847	
250-400	R7 66/400	15848		
320-500	630	3SC7-F6822	R7 68/500	15849
400-630			R7 68/630	15850

