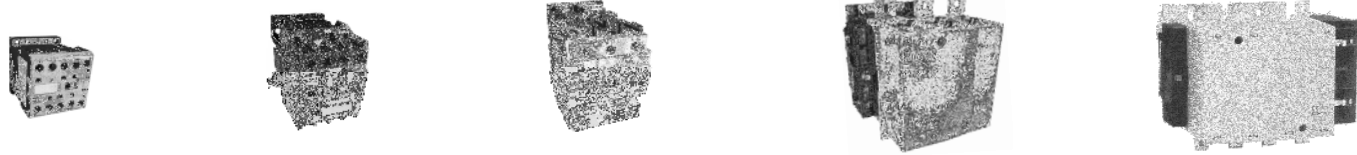


C Range Contactors



Type	MC09	C09	C12	C18	C25	C32	C40	C50	C65	C95/C8004	CF115	CF150	CF185	CF225	CF265	CF330	CF400	CF500	CF630	
Operating Conditions																				
Ambient operation	-25 to +40°C										-25 to +40°C									
Temperature storage	-60 to +80°C										-60 to +80°C									
Maximum altitude before derating	3000m										3000m									
Conformance to standards	IEC/EN 60947-4-1										IEC/EN 60947-4-1									
Approvals	Produced according to IEC158-1, VDE0660, BS5452										Produced according to IEC158-1, VDE0660, BS5452									
Pole characteristics																				
Power poles	3	3 or 4	3 or 4	3	3 or 4	3	3 or 4	3	3	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4	3 or 4
Rated insulation voltage (V)	660	690	690	690	690	690	690	690	690	690	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
AC3 Rating at 400vAC kW	4	4	5.5	7.5	11	15	18.5	22	30	37	55	75	90	110	132	160	200	250	335	335
Operational current AC1	20	25	25	32	40	50	60	80	80	125	200	250	275	315	350	400	500	700	1000	1000
AC3	9	9	12	18	25	32	40	50	65	95	115	150	185	225	265	330	400	500	630	630
Short-time allowable current																				
IEC/EN60947-1 10s (A)	90	105	105	145	240	260	320	400	520	540	900	1100	1500	1800	2200	2650	3600	4200	5050	5050
Max fuse size type g1	25	25	25	32	40	50	60	80	80	125	150	200	315	315	400	500	500	800	1000	1000
Frequency limits of Operation (Hz)	25 to 400										25 to 400									
Making capacity(RMS value) (A)	110	250	250	300	450	550	800	900	1000	1100	1150	1500	1850	2250	2650	3300	4000	5000	6300	6300
Breaking capacity 220-380-440V(A)	110	250	250	300	450	550	800	900	1000	1100	920	1200	1480	1800	2120	2640	3200	4000	5000	5000
Cabling min/max c.s.a.																				
1 conductor mm²	1-4	1-4	1-4	1.5-6	1.5-10	2.5-10	2.5-25	2.5-25	2.5-25	4-50	95	120	150	185	240	240	2 x 150	2 x 240		
NxConductors mm² (2 off upto and inc. C80)	1-4	1-4	1-4	1.5-6	1.5-6	2.5-10	2.5-16	2.5-16	2.5-16	4-35	25 x 3	25 x 3	25 x 3	32 x 4	32 x 4	30 x 5	30 x 5	40 x 5	60 x 5	60 x 5
Degree of protection	Protection against direct finger contact conforms to VDE 0106 IP2L										Protection against direct finger contact conforms to VDE 0106 with pole shrouds fitted									
AC Control																				
Rated control voltage From	24	12	12	12	12	12	12	12	12	12	24	24	24	24	24	24	48	48	48	48
At 50, 50-60, 60Hz To	230	660	660	660	660	660	660	660	660	660	440	440	440	440	440	440	440	440	440	440
Operating limits for 50/60Hz coils	Pick up from 85% Us to 110% Us Drop out from 35%Us to 55%Us										Pick up from 85% Us to 110% Us Drop out from 35%Us to 55%Us									
Av. coil consumption 50/60Hz (VA)																				
Sealed	4.5	8	8	8	8.5	8.5	21	21	21	21	45	45	55	55	10	10	15	18	22	22
Inrush	30	70	70	70	90	90	245	245	245	245	550	550	805	805	650	650	1075	1100	1650	1650
DESIGN LIFE 10⁶																				
Mechanical	15	15	15	15	12	12	6	6	6	4	10	10	10	10	10	10	10	10	5	5
Electrical at 440V AC3	2	2	2.2	1.5	1.5	1.8	1.6	1.5	1.5	1	1	1	1	1	1	1	1	1	1	1
Outline Dimensions (mm)											3 Pole/4 Pole									
A (Width)	45	45	45	45	56	56	75	75	75	85/94	164/200	164/200	170/210	170/210	202/245	213/261	213/261	233/288	310/390	310/390
B (Height)	58	74	74	74	84	84	127	127	127	127	162	170	174	197	203	206	206	238	304	304
C (Depth - from backplate)	57	80	80	85	93	99	114	114	114	125	171	171	181	181	213	219	219	232	255	255