

## Protective circuit breakers and connection cables for capacitors

Three-phase 400 V capacitor Nominal power (kvar)	3P circuit breaker rating/thermal setting (A)	Vables Min. cross-section/phase	
		Cu (mm <sup>2</sup> )	Al (mm <sup>2</sup> )
10	20/20	6	10
20	40/40	10	16
30	63/60	16	25
40	80/80	25	35
50	100/100	35	50
60	125/125	35	50
70	160/140	35	50
80	160/160	50	70
90	200/180	50	70
100	200/200	70	95
125	250/250	70	95
150	400/300	95	120
175	400/350	120	185
200	400/400	150	240
225	630/450	150	240
250	630/500	185	2 x 120
275	630/550	185	2 x 120
300	630/600	2 x 95	2 x 150
325	630/630	2 x 95	2 x 150
350	800/700	2 x 120	2 x 185
375	800/750	2 x 120	2 x 185
400	800/800	2 x 150	2 x 240
450	1000/900	2 x 150	2 x 240
500	1000/1000	2 x 185	4 x 150
550	1250/1100	2 x 185	4 x 150
600	1250/1200	4 x 120	4 x 185
650	1250/1250	4 x 120	4 x 185
700	1600/1400	4 x 150	4 x 240

750	1600/1500	4 x 150	4 x 240
800	1600/1600	4 x 150	4 x 240
850	2000/1700	4 x 150	4 x 240
900	2000/1800	4 x 150	4 x 240
950	2000/1900	4 x 185	4 x 300
1000	2000/2000	4 x 185	4 x 300

**NOTE:** The cable cross-sections given in this table are minimum recommended cross-section. They do not take additional correction factors into account (method of installation, temperature, long length, etc.). They calculations are for single pole cables fitted at an ambient temperature of 30°C.