

Selection of MCB/MCCB for Capacitor step protection

	MCB KVA _r	MCCB AMPS	HRC Fuse rating in Amps	Cross section of PVC insulated CU.cable in Sqmm	Capacitor Duty contactor in kvar	Power contactor in Amps
1	6			1.5	12.5	6
2	6			1.5	12.5	6
3	6			1.5	12.5	6
4	10			2.5	12.5	12
5	10		16	2.5	12.5	12
7.5	16	16	20	2.5	12.5	18
10	20	25	25	6	12.5	25
12.5	25	25	32	6	12.5	25
15	32	32	40	6	16.7	32
20	40	40	50	16	20	50
25	63	63	63	16	25	50
50		125	125	35	60	110
75		160	200	70	50 + 25	160
100		250	250	95	60 x 2 no	200

Note

MCB - " D" curve with 15KA

MCCB - TMD with 25 KA/36KA

MCCB - MP with 36 KA

Capacitor Duty contactor - AC 6B Type

Power contactor - AC3 Type