

Modules for Power Factor Correction Systems

Type C...C



Technical Data

Design	Sheet steel chassis with premounted capacitors, fuses and contactors	Air humidity	max. 90 %, no condensation
Nominal voltage	min 440 V / 50 Hz	Discharge	With discharge resistors acc. to VDE 0560, part 46
Nominal power	see table (at 400 V mains voltage)	Power loss	Capacitors: 0.5 W / kvar
International protection	IP 00 acc. to DIN 40 050, for control cabinet mounting	Standards	acc. to VDE 0560 Parts 46 and 47, EN 60831-1 and -2 together with IEC 831-1 and -2, VDE 0660 part 500 and EN 60439-1 with type test TSK
Ambient temperature	-5 ° to +60 °C acc. to DIN VDE 0660 part 500 Sect. 6.1.1.1 (when assembled)	Nominal capacity determination	see FRAKO Manual of Power Factor Correction

Minimum nominal voltage of capacitors 440 V / 50 Hz · **Nominal capacity at 400 V / 50 Hz mains voltage** · other voltages on request

Nominal capacity	Step rating	Switching sequence	Type and order designation				Type and order designation					
kvar	kvar		For enclosure min. (WxD): 600x400 mm				For enclosure min. (WxD): 800x400 mm					
25	3.13	1:1:2:4	C64C	25	3.13	211	400	C84C	25	3.13	211	400
25	6.25	1:1:2	C64C	25	6.25	21	400	C84C	25	6.25	21	400
25	12.5	1:1	C64C	25	12.5	2	400	C84C	25	12.5	2	400
25	25	1	C64C	25	25	1	400	C84C	25	25	1	400
31.25	6.25	1:2:2	C64C	31.25	6.25	12	400	C84C	31.25	6.25	12	400
34.38	3.13	1:2:4...	C64C	34.38	3.13	112	400	C84C	34.38	3.13	112	400
37.5	6.25	1:1:2...	C64C	37.5	6.25	22	400	C84C	37.5	6.25	22	400
37.5	12.5	1:2	C64C	37.5	12.5	11	400	C84C	37.5	12.5	11	400
43.75	6.25	1:2:4	C64C	43.75	6.25	111	400	C84C	43.75	6.25	111	400
46.88	3.13	1:2:4:8	C64C	46.88	3.13	1111	400	C84C	46.88	3.13	1111	400
50	3.13	1:1:2:4:8	C64C	50	3.13	2111	400	C84C	50	3.13	2111	400
50	6.25	1:1:2:4	C64C	50	6.25	211	400	C84C	50	6.25	211	400
50	12.5	1:1:2	C64C	50	12.5	21	400	C84C	50	12.5	21	400
50	25	1:1	C64C	50	25	2	400	C84C	50	25	2	400
50	50	1	C64C	50	50	1	400	C84C	50	50	1	400
62.5	12.5	1:2:2	C64C	62.5	12.5	12	400	C84C	62.5	12.5	12	400
68.75	6.25	1:2:4...	C64C	68.75	6.25	112	400	C84C	68.75	6.25	112	400
75	12.5	1:1:2...	C64C	75	12.5	22	400	C84C	75	12.5	22	400
75	25	1:2	C64C	75	25	11	400	C84C	75	25	11	400
87.5	12.5	1:2:4	C64C	87.5	12.5	111	400	C84C	87.5	12.5	111	400
93.75	6.25	1:2:4:8	C64C	93.75	6.25	1111	400	C84C	93.75	6.25	1111	400
100	12.5	1:1:2:4	C64C	100	12.5	211	400	C84C	100	12.5	211	400
100	25	1:1:2	C64C	100	25	21	400	C84C	100	25	21	400
100	50	1:1	C64C	100	50	2	400	C84C	100	50	2	400

Dimensional sketch

