

g48filter-rack >>>3-years warranty

Rated Voltage	400 ÷ 415 V
Rated Frequency	50 Hz
Capacitors Voltage	480 V
THDi max	100 %
THDv max	≤ 6 %
Temperature class	-5 / +52°C
Insulating Voltage	690 V
Max overcurrent	1,3 In
Reference standards	EN61921, EN61439-1



Capacitors

Three-phase metallized polypropylene Capacitors with **Nitrogen Gas (N2) insulation** "dry type", MKPG Series, Rated Voltage 480 V, Operating Voltage 400 V, Insulation Voltage 690 V, equipped with discharge resistors, overpressure safety device and IP20 terminals. Dielectric losses < 0,2W/kVAr. Reference Standards IEC60831-1/2, UL N.810, CSA
 Overvoltage: 480 V (24h), 530 V (8h), 555 V (30m), 585 V (5m), 625 V (1m), 1450 V (Picco)
 Overcurrent: 3In (24h), 4In (30m), 5In (15m), 10In (Picco)

Contactors

Three-pole Contactors for capacitor banks, with high number of insertions (>250.000), with resistors for the limitation of high current from capacitor's insertion (> di 100 In), and auxiliary contact. Reference standard IEC 60947-1 / 60947-4-1 and EN 60947-1 / 60947-4-1

Detuning Reactors

Detuning reactors made of sheet oriented crystals, placed in series between the contactor and the capacitor bank, with the following features: linearity 1.8 Ip/In, realized in class H, over temperature range: 60°C, complete with thermal probe for switching off Capacitors Banks in case of overtemperature, limit the peak current inrush capacitors, detuning frequency 189 Hz (p=7%), standard for 5th Harmonic

Fuses

NH00 Fuses 100 kA for the protection of each capacitor bank. Auxiliary circuits are protected through 10,3 x 38 Fuses

Modular Rack

Sheet-steel enclosure 15 and 20/10,).

Protection degree IP00 external,

Wiring made with cables are FS17 type, Reference standards CEI EN 50575, CEI UNEL 35716, CEI EN 50525 e CPR UE305/11.

Optional: copper busbar system (Type Tested KEMA ref. 5189-16 Icw 50 kA for 1 sec.).

Code		kvar		Banks			Steps	Current	Dim. (mm)
		400 V	415 V	400 V				(A)	(WxHxD)
CFG48	25//1	25	27	12,5	12,5		2	36	495x320x550
CFG48	25//2	25	27	25			1	36	495x320x550
CFG48	50/1	50	54	25	25		2	72	495x320x550
CFG48	50/2	50	54	50			1	72	495x320x550
CFG48	75	75	81	25	50		3	108	495x320x550
CFG48	75/1	75	81	75			1	108	495x320x550
CFG48	100	100	108	25	25	50	4	144	495x320x550
CFG48	100/1	100	108	50	50		2	144	495x320x550
CFG48	100/2	100	108	100			1	144	495x320x550