

# g48rack

## 103.5 kVAr

### Modular Racks

Code	CSG48103.5
Rated voltage	400 ÷ 480 V
Frequency	50 Hz
Capacitors Voltage	480 V
Capacitors Voltage max	530 V
THDi max	≤ 25 %
Power @ 400 V	103.5 kvar
Power @ 415 V	111 kvar
Power @ 480 V	149 kvar
Rated current	149 A
Banks (400 V)	11.5-23-23-46
Steps	9 x 11.5 kVAr
Typology of Capacitors	MKP480G
Dimensions (WxHxD)	495*390*550
Reference standards (PFC unit)	EN61921, EN61439-1/2

	24h	8h	30m	15m	5m	1m	Peak
Vmax	480	530	555	575	580	625	1450
Imax	3In		4In	5In			10 In



### Technical Features

**Capacitors** Three-phase metallized polypropylene Capacitors with Nitrogen Gas (N<sub>2</sub>) insulation, “dry type”, MKP480G Series, Rated Voltage 480 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

**Three-Pole Contactors** for capacitor banks, with high number of insertions (>250.000)

- 3-pole mains and 1 built-in auxiliary contact
- block for serial insertion in the circuit of 3 resistors that limit the peak current at the excitation of the condenser battery. Reference standards IEC 60947-1 / 60947-4-1 and EN 60947-1 / 60947-4-1

**Modular Rack in sheet-steel** 15 and 20/10, equipped with an aluminium busbar system (**TELEGROUP's PFCs are Type Tested KEMA ref. 5189-16 l<sub>cw</sub> 50 kA for 1 sec**). Protection degree IP00. Thanks to the new concept, the access for maintenance is very easy. The wiring is realized through FS17, Standards CEI EN 50575, CEI UNEL 35716, CEI EN 50525 and CPR UE305/11

**NH00 Fuses** 100 kA for the protection of each capacitor bank.