

# g48rack

## 115 kVAr

### Modular Racks

Code	CSG48115
Rated voltage	400 ÷ 480 V
Frequency	50 Hz
Capacitors Voltage	480 V
Capacitors Voltage max	530 V
THDi max	≤ 25 %
Power @ 400 V	115 kvar
Power @ 415 V	124 kvar
Power @ 480 V	166 kvar
Rated current	166 A
Banks (400 V)	23-46-46
Steps	5 x 23 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	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 N07V-K, 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.