

MINIVAR

1 - PHASE POWER FACTOR CORRECTION SYSTEM WITH THYRISTORS CONTROL FOR LOADS OVER 6 kW

DESCRIPTION:

MINIVAR is a 1-phase PFC unit that does not need to be set up. It is controlled by a microprocessor electronic board able to maintain Power Factor between 0,9 and 1. It silently and quickly switches capacitor banks using thyristors control. Therefore it ensures a total reduction of reactive power demand from the grid.

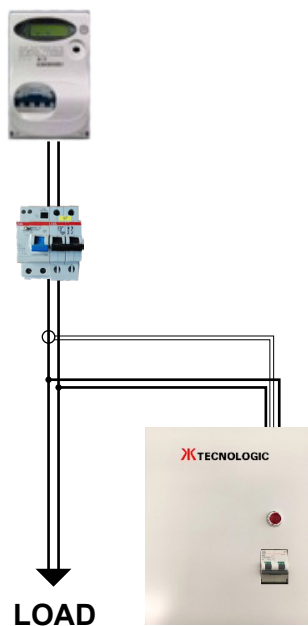


TECHNICAL DATA:

- Operating Voltage 230-240 Vrms + 15%;
- Frequency 50/60 Hz;
- Insulation Voltage 2000 Vrms for 1 min;
- Working Temperature -10 +55°C;
- IP Degree IP 30;
- Dimensions (l x h x d) 228 x 278 x 140 mm;
- Weight 4,5 kg;
- Standards CEI EN 60439-1/2, CEI EN 61921-1, CEI EN 60831-1/2.

TYPE	NOMINAL POWER [kvar]	STEPS [kvar]			CODE
		I	II	III	
MINIVAR - 6,25 - 230 V	6,25	1,25	2,50	2,50	TD006130

CONNECTION DIAGRAM



INSTALLATION STEPS

- Set Main panel switch to OFF;
- connect two cables in parallel with the Main circuit breaker;
- connect those cables to the MINIVAR's "IN" terminals;
- install one Current Transformer on one cable on the grid side;
- set Main panel switch back to ON;
- switch MINIVAR's circuit breaker on.

ADVANTAGES

- 3 units for a 3-phase system;
- easy installation and maintenance;
- Epcos self-healing capacitors.