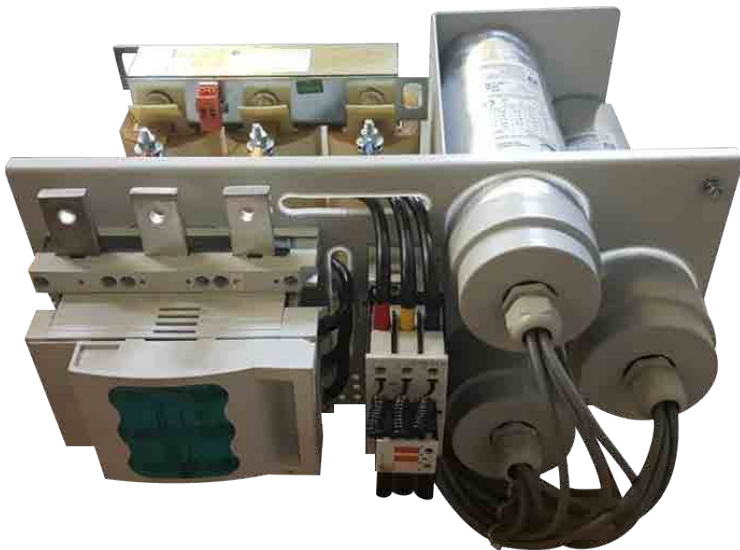
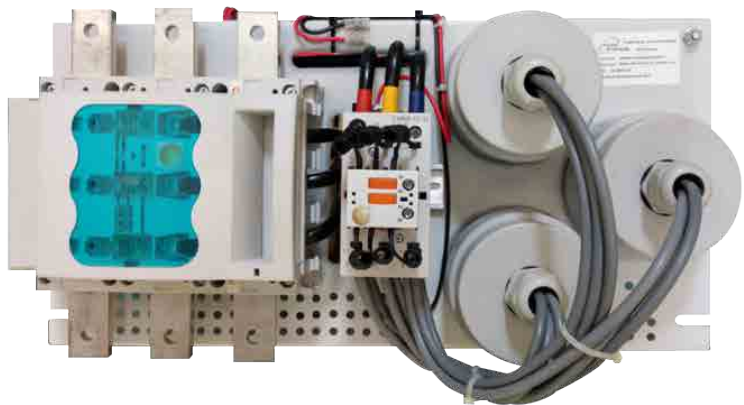


Power Factor Correction Modules



Introduction

Most modern day commercial/ Soho/ industrial building are powered by multiple of inverter array device and/ or LEDs/ UPS which produce wave-chopping like harmonic phenomenon. standard capacitor banks are inadequate and suffer from reduced life-span.

ELCO PFCM power factor correction module is a powerful and compact range of power factor correction modules that provide the ideal solution for industrial and commercial applications. It has the following key features.

Key Features

- High Quality - Heavy-duty capacitor cells are standard with detuned filter
- Easy to select - Various sizes are available depending on network Kvar demand.
- Easy to install – Fully assembled, factory tested and ready for connection
- Unique protection system – Pressure activated series interrupter
- Easy to expand – Modular tray system enabling easy expanding and combination.
- Compliance – IEC60831 -1 & 2 / IEC 61921

Application

- Residential and commercial buildings
- Multiple industrial like mining, steel, chemical, pulp and paper, cement, plastics, printing, automotive, food beverage and light- to medium manufacturing.
- Standard solution for network affected by harmonics.

Voltage Range	400V - 415V @ 50Hz
Connection	Three phases
Control Voltage supply	230 Vac @ 50Hz
System connection	Fuse disconnecter on busbar (30mm x 10mm)
Fuse	40A, 80A, 125A NH00
Net output power Q at 400V	12Kvar, 22Kvar, 47Kvar
Net output power Q at 415V	12.5Kvar, 25Kvar, 50Kvar
Earth	M6 screw located at front tray
Tray thickness	2.0mm
Protection Degree (according IEC 60529)	IP00
Installation	Indoor

Dimension	250mm(H) x 502mm(W) x 255mm(D)
Temperature category	D / -25°C to +55°C
Detuned reactor type	Class F, 7%
Contact type	Ac-6B Capacitor switching
Contact mechanical life span	5000000 times
Tolerance capacitance	-5% / 10%
Capacitor Routine Test	Between terminals: 2.15xUn for 2s Between terminal to container 6Kv for 10s Lighting impulse voltage: 15Kv (peak)
Insulation Testing	2500 @ 60 Sec
Over load capability (according to IEC 60831)	Overload tolerance: 10% for maximum 8 h every 24h and 30% for maximum 1 min Maximum permissible current: 1.3In
altitude	Up to 1000m

Item Code	Q Power Un = 415V (Kvar)	Q Power Un = 400V (Kvar)	Reactor	Dimension
PFCMELC00200525502255250PTT	12.5	12	7%	250mm(H) x 502mm(W) x 255mm(D)
PFCMELC00350525502255250PTT	25	22	7%	250mm(H) x 502mm(W) x 255mm(D)
PFCMELC00750525502255250PTT	50	47	7%	250mm(H) x 502mm(W) x 255mm(D)

