

# THYRISTOR SWITCHING MODULES

For Dynamic Power Factor Correction Systems

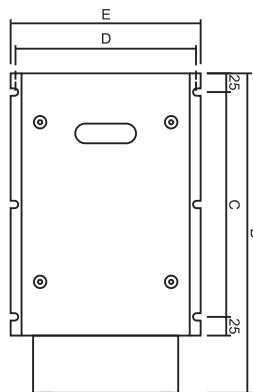
## Introduction

Thyristor Switches for Dynamic Power Factor Correction System with Harmonic Block Reactors.

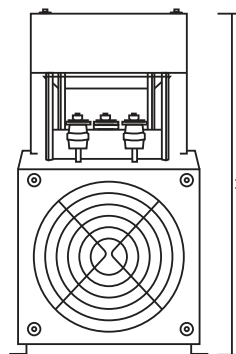
- ~ Transient Free Switching
- ~ Used for Tuned and Detuned APFC Systems
- ~ Compact with inbuilt Axial Fan
- ~ High temperature protection
- ~ Copper Busbar type Links for easy connection for all ratings
- ~ Indications and Alarms Signals for :
  - Power "ON"
  - Controller Signal
  - Capacitor Bank Firing Signal
  - Over Temperature



		PS-15	PS-25	PS-50	PS-100
Power Data	Design Voltage	415V 50/60 Hz $\pm$ 10%			
	Nominal Current per Thyristor	21A	35A	70A	140A
	Max. permissible Avg. on state Current	25A	42A	84A	168A
	Discharge of Capacitors	Resistor			
	Switch in repetition	20ms			
Firing Unit	Aux. Voltage	24V DC			
	Control Voltage for Trigger Signal	24V DC			
	Consumption for Trigger Signal	10 mA			
	Consumption for Aux. Voltage	60 mA			
	Range of Temperature	-10 Deg. C - +60 Deg. C			
Common Data	Weight	6,0 kG			9.5 kG
	Protection Class	IP00			
	Humidity	10 - 95%, Avoid any dew !			
	Max. Altitude above seal level	1000m NN			
	Ambient Temperature	-10 Deg. C - +45 Deg. C			



Front View



Side View

RATING	MODEL	A	B	C	D	E
15 KVAR	PS-15	247	243	150	162	173
25 KVAR	PS-25	247	243	150	162	173
50 KVAR	PS-50	247	243	150	162	173
100 KVAR	PS-100	245	295	200	222	235

Specification subject to change without notice.  
All dimensions are in mm.

Network Analysis by:



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