

EMB-2PH

Static switching module for three phase capacitors



Description

EMB-2PH static switching modules series are the building blocks for the construction of static capacitor banks for Power Factor Correction.

These capacitor banks use thyristors instead of the classic contactors for the connection of each capacitor stage and they are ideal in installations with fast and large load fluctuations (load changes from tenths of seconds up to 8 or 10 seconds).

Application

EMB-2PH static switching modules have been designed to connect and disconnect capacitors in some milliseconds. They can be used to build capacitors with some stages, or for the individual compensation of a load that must be compensated instantly and which is not able to be disconnected such as welding machines, cranes, lifts, etc.

Technical features

Electrical features	Standard voltages	Up to 3 x 440 Va.c. without detuned filters Up to 3 x 415 Va.c. with detuned filters
	Frequency	50/60 Hz
	External activation signal	12 Vd.c. (Terminals A+,B-)
	Nominal switched power	Described on selection table
	Overload capacity	1,5 I_n during 1 min
Protections	Fuses	Not included. External protection against overload and short-circuit are required
	Fan	1 x 230 Va.c. auxiliary voltage (on terminals A1,A2)
	du / dt	RC protection at 1000 V/ μ s
	Thermostat	90 °C
	di / dt	100 A/ μ s (L=12 μ H, not included, it must be installed series with the capacitor)
Environmental features	Maximum ambient temperature	45 °C
	Maximum temperature of the dissipator	90 °C
Construction features	Protection degree	IP 00
	Weight	From 5,1 kg to 5,4 kg
Standards	IEC 61439	

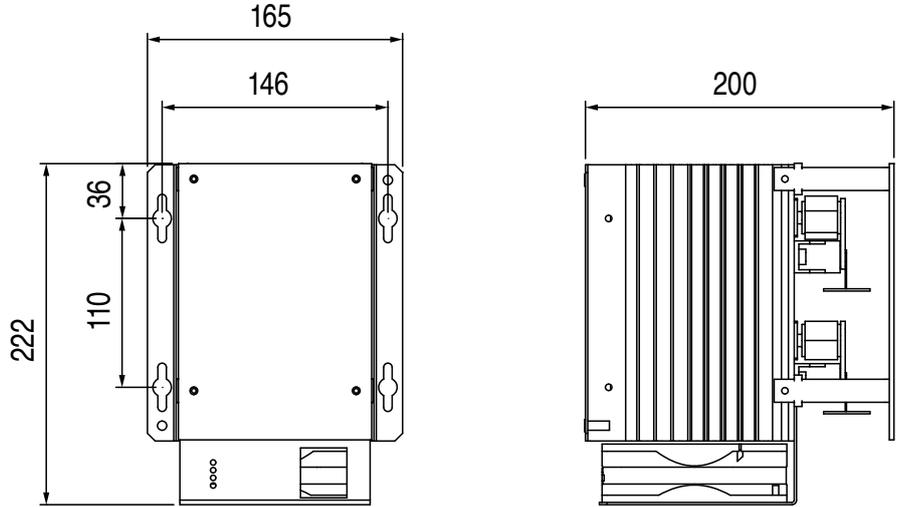
References

Type	Code	kvar 230 V	kvar 400 V	Weight (kg)	Dimensions L x H x W (mm)
EMB-2PH-25-400	R41321	12,5	25	5,1	165 x 222 x 200
EMB-2PH-50-400	R41323	27,5	50	5,2	165 x 222 x 200
EMB-2PH-80-400	R41325	45	80	5,4	165 x 222 x 200
Maximum operation voltage: 3 x 440 Va.c. (415 Va.c. with detuned reactors)					
Accessories					
Cover EMB-2PH	R41329	Polycarbonate cover for EMB-2PH series			

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Dimensions



Connections

