



EMB-M-2PH-80-400

EMB-M-2PH-80-400, Static switching

Code: R4132M.

> kvar (230 V): 45

> kvar (400 V): 80

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.



EMB-M-2PH-80-400

Three-phase static switching units for 3-terminal capacitors

Code: R4132M.

Specifications

AC power supply

Frequency	50/60 Hz
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Mechanical characteristics

Size (mm) width x height x depth	165 x 220 x 250 (mm)
Ventilation	Fan: auxiliary voltage at 1x230 V~ (at terminals A1, A2)
Weight (kg)	4

Environmental characteristics

Protection class	IP 00
Working temperature	80 °C max. heatsink temperature

Electrical characteristics

Voltage	Up to 3 x 440 V~ (without detuned filters) Up to 3 x 415 V~ (with detuned filters)
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Standards

Standards	IEC 61439
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Protection

di / dt	100 A/μs (L = 12 μH, not included, must be assembled in series with the condenser)
du / dt	RC protection at 1000 V/μs
Element	Fuses not included. External protection against overload and short circuits is required. 90°C thermostat

EMB-2PH

Three-phase static switching units for 3-terminal capacitors

CODE	TYPE	kvar (400 V)	kvar (230 V)
External 12VDC activation signal required. With terminals			
R41321.	EMB-2PH-25-400	25	12,5
R41323.	EMB-2PH-50-400	50	27,5
R41325.	EMB-2PH-80-400	80	45
R4132M.	EMB-M-2PH-80-400	80	45

Maximum operating voltage: 3 x 440 Vac (415 Vac with detuned reactors) Polycarbonate cover for EMB-2PH



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Dimensions

