



## EMF-80/400

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EMF-80/400, Capacitor bank

Code: R41137. DESCATALOGADO

> kvar (400 V): 80

### Description

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The static switching modules of the EM Series are the basic building block for the construction of static capacitor banks for Power factor correction purposes. These capacitor banks use thyristors instead of the classic contactors for the connection of each large group of capacitors and they are ideal in installations where the leakage current suffers quick and large fluctuations (load changes in intervals that can range from split seconds to 8 or 10 seconds).

### Application

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The static switching units of the EM Series have been designed to connect and disconnect capacitors in milliseconds. They can be used to build capacitors with various steps, or for the individual compensation of a load that must be compensated instantly due to connection / disconnection deficiencies, for example, in welding units, cranes, lifts, etc.



## EMF-80/400

Static switching units (three-phase)

Code: R41137.

### Specifications

#### AC power supply

|           |          |
|-----------|----------|
| Frequency | 50/60 Hz |
|-----------|----------|

#### Mechanical characteristics

|                                  |                      |
|----------------------------------|----------------------|
| Size (mm) width x height x depth | 177 x 485 x 268 (mm) |
|----------------------------------|----------------------|

|             |      |
|-------------|------|
| Weight (kg) | 10,5 |
|-------------|------|

#### Environmental characteristics

|                  |       |
|------------------|-------|
| Protection class | IP 00 |
|------------------|-------|

|                     |             |
|---------------------|-------------|
| Ambient temperature | 40 °C (máx) |
|---------------------|-------------|

|                     |                                 |
|---------------------|---------------------------------|
| Working temperature | 80 °C max. heatsink temperature |
|---------------------|---------------------------------|

#### Electrical characteristics

|                           |                  |
|---------------------------|------------------|
| Maximum transient current | 1.5 In for 1 min |
|---------------------------|------------------|

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

#### Standards

|           |   |
|-----------|---|
| Standards | UNE-EN 60439 (IEC 61439), IEC 60146, CSA 22.2 N° 14 |
|-----------|---|

#### 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 | suitable for the gauge (EMF type). 90°C thermostat |
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### Dimensions

