



RMV-260-175-30

RMV-260-175-30, Choke reactor

Code: R80691.

> In (A): 175

Description

Choke REACTORS are required to limit the transient currents produced during the connection of capacitors. CIRCUITOR's RMV units are encapsulated in epoxy resin, which guarantees the degree of insulation required.

Application

The connection of capacitor banks has very high associated transient currents and voltages. The IEC 60871-1 Standard defines the maximum value that can be supported by a capacitor bank as the peak connection value. This value is 100 times its nominal current.

When this value is exceeded, RMV choke REACTORS must be installed. These REACTORS are in charge of limiting the transient current to values that can be supported by the capacitors. The inductance value is variable, depending on the installation's conditions and, basically, on the following parameters:

- Short-circuit power of the installation
- Existence of more capacitor banks
- Interrupting power of automatic switches. The peak current value of the residual connection must also be lower than the interrupting power of the switch unit after the reactor has been installed.



RMV-260-175-30

Choke reactor for capacitor banks

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Specifications

Mechanical characteristics

| | |
|----------------------------------|----------------------------------|
| Size (mm) width x height x depth | 370 x 290 x 110 (mm) |
| Material | Encapsulated in resin, Air core. |
| Envelope | colour RAL 8016 |
| Fastening | M12 / M16, depending on the type |
| Weight (kg) | 14 |

Current measurement circuit

| | |
|----------------------|-------------|
| Nominal current (In) | 43 In / 1 s |
|----------------------|-------------|

Standards

| | |
|-----------|-----------|
| Standards | IEC 60289 |
|-----------|-----------|

RMV

Choke reactors for MV capacitor banks

| CODE | TYPE | In (A) | L(μH) | w x h x d | weight (kg) |
|----------------|-----------------|--------|-------|-----------------|-------------|
| RMV-260 | | | | | |
| R80628. | RMV-260-50-350 | 50 | 350 | 370 x 290 x 110 | 12 |
| R80637. | RMV-260-60-250 | 60 | 250 | 370 x 290 x 110 | 13 |
| R80664. | RMV-260-100-100 | 100 | 100 | 370 x 290 x 110 | 13 |
| R80672. | RMV-260-125-50 | 125 | 50 | 370 x 290 x 110 | 14 |
| R80691. | RMV-260-175-30 | 175 | 30 | 370 x 290 x 110 | 14 |
| RMV-330 | | | | | |
| R80739. | RMV-330-60-450 | 60 | 450 | 470 x 355 x 110 | 20 |
| R80748. | RMV-330-75-350 | 75 | 350 | 470 x 355 x 110 | 21 |
| R80757. | RMV-330-90-250 | 90 | 250 | 470 x 355 x 110 | 26 |
| R80774. | RMV-330-125-100 | 125 | 100 | 470 x 355 x 110 | 22 |
| R807A2. | RMV-330-200-50 | 200 | 50 | 470 x 355 x 110 | 22 |
| R807B1. | RMV-330-250-30 | 250 | 30 | 470 x 355 x 110 | 23 |

Selection parameters for RMV reactances are: * Maximum operating current (1,43 In) * Required inductance in μH * Isolating voltage kV The isolating voltage is 12 kV (28/75). Other voltages on request Thermal current is 43 In / 1 s. Other values on request Other currents and μH please request Price.