

1. Three phase reactors for capacitor banks

RTF FAMILY > RTFX5



Features

Anti-flash varnish finish, offering:

- Protection against corrosive environments
- Increase of electrical isolation
- High compression capacity
- Reduction of noise level
- Increase of product's lifespan

?Safety class I

Includes thermal protection against overtemperatures

Possibility of tailor-made manufacturing

Technical remarks about the use of detuned reactors:

They avoid resonance between the feeding transformer's inductance and the capacitance of capacitors' bank

They eliminate overvoltages and overcurrents either from the transformer and from the capacitors' bank

They protect capacitors against harmonics avoiding early aging

They limit conection peaks of the capacitors' bank increasing their lifespan and reducing microcuts in the feeding voltage

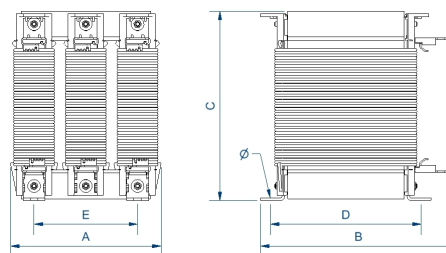
Technical Characteristics

| | |
|-------------------------|--|
| Line voltage | 400 V |
| Capacitor rating | 5 kvar (440 V, 50 Hz) |
| Effective rating | 4,4 kvar |
| Rated current | 6,8 A |
| Inductance tolerance | 3% |
| Resonance frequency | 189 Hz (p = 7%) |
| Harmonic currents | I ₃ =8%, I ₅ =31%, I ₇ =13% |
| Thermal overload factor | 0,05 |
| Frequency | 50 Hz |
| Protection degree | IP-00 |
| Cooling | AN |
| Ambient temperature | 45°C |
| Temperature rise | Class F |
| Insulation | Class F - 155°C |
| Windings | Class HC - 220°C |
| Test voltage | 3 kV (1 min, 50 Hz) |
| Standards | IEC/EN/UNE-EN 60076-6, CE |
| Mounting | Screws |
| Weight | 5,6 kg |
| Dimensions | 150x111x185x85x100 mm 9Ø |

Applications

RTFX inductances are designed to protect in front of harmonics capacitor banks power factor correctors.

The inductances tuned to 189Hz are the most common



+ Info www.polylux.com

Productos equivalentes