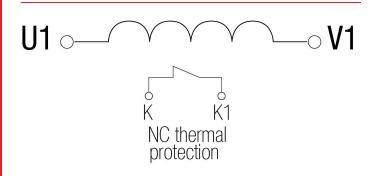
Single-phase line reactors for harmonic filtering with bimetal over-temperature protection, in IP20 enclosure and resin filled



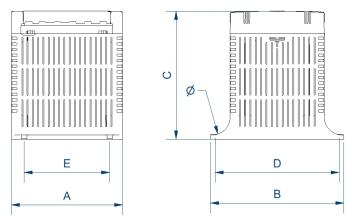
### **Technical characteristics**

| Rated current       | 5 A                           |
|---------------------|-------------------------------|
| Motor rating        | 0,46 kW / 0,6 CV              |
| Line voltage        | 220 - 260 V                   |
| Reactor             | 4,393 mH (50 Hz)              |
| Voltage drop        | 3% (50 Hz)                    |
| Frequency           | 50/60 Hz                      |
| Protection degree   | IP-20                         |
| Thermal protection  | Thermal protection (NC) 120°C |
| Cooling             | ANAN                          |
| Ambient temperature | 45 <u>°</u> C                 |
| Temperature rise    | Class B - 130ºC               |
| Insulation          | Class H - 180ºC               |
| Windings            | Class HC - 200 ºC             |
| Test voltage        | 3 kV (1 min, 50 Hz)           |
| Standards           | IEC/EN/UNE-EN 60076-6, CE     |
| Mounting            | Screws and DIN Rail           |
| Weight              | 0,94 kg                       |

## Electric scheme



## **Dimensions**



Dimensions (AxBxCxDxE): 84x101x98x89x55 mm 5Ø



Single-phase line reactors for harmonic filtering with bimetal over-temperature protection, in IP20 enclosure and resin filled

### **Features**

#### Reactor

Advantages of resin technology:

- Protection against corrosive environments
- Protection against high vibration levels
- Protection against electrodynamic efforts
- Reduction of noise level
- Increase of product's lifespan

IP-20 enclosure in last generation V-0 fireproof metallic polymer box according to UL94

Safety class I, convertible in class II

Includes thermal protection against overtemperatures

Possibility of tailor-made manufacturing

Technical remarks about the use of line reactors:

- Reduction of the current harmonics generated by the equipment, reducing current consumption and improving power factor
- Reduction of the peak factor of the current wave, increasing equipment's lifespan
- Attenuation of the microcuts of the feeding voltage produced by the converter, source of the bad functioning of computers, robots and other equipments

# **Applications**

- Single-phase low rating installations where harmonic filtering is required, such as those with non-linear loads, rectifiers, single-phase frequency converters, power supplies, etc.
- Environments with high humidity or corrosion, as well as vibrations and voltage peaks, due to the resin coating.

### **Downloads**