



## LRBZ 04-115

LRBZ 04-115, Reactor

Code: P7330G.

- > L(mH): 0,28
- > In (A): 110
- > Losses: 145
- > Motor P.: 55
- > Motor P. (CV): 75

### Description

The motor speed regulation equipment, frequency variators, UPS units, etc. generate alterations in the network, which affect other loads in the installation of the operation of the equipment.

The **LRZ / LRBZ** reactors connected to the input on the network side of the equipment can attenuate voltage peaks and reduce the harmonic distortion generated by the power electronics. The **LRZ / LRBZ** Reactors for filtering can reduce the current harmonics in any converter from 40... 50 % to values around 20 %. In addition, they reduce the shortcircuit current and increase the safety of the converter's semi-conductors. When installed on the motor side, they can attenuate harmonic frequencies caused during switching operations.

- Low-powered reactors, **LRZ** type, are built with plates with low losses and are coiled with copper wire. The connection is achieved with the adequate terminals.
- In the case of higher currents, **LRBZ** reactors are used, with a magnetic plate nucleus and multiple steel cores, which offer excellent characteristics and a low loss ratio. Copper band coils (or aluminium band, on demand). The connections run through a plate.
- Both **LRZ** and **LRBZ** type reactors have a vacuum varnish sealing to increase the insulation, providing a greater mechanical resistance and reduce the level of noise.

### Application

The reactors of the **LR / LRB** series are prepared and can be used on the network and motor sides. They attenuate micro-drops and peaks during the initial connection and switching operations, and they reduce the rate of harmonics from the network current.



# LRBZ 04-115

Reactors for filtering for power converters (network side)

Code: P7330G.

## Specifications

### Mechanical characteristics

|                                  |  |
|----------------------------------|--|
| Size (mm) width x height x depth | 237 x 195 x 131 (mm)                                   |
| Envelope                         | Conductor type: copper strip (or aluminium on request) |
| Weight (kg)                      | 21   |

### Environmental characteristics

|                  |   |
|------------------|---|
| Thermal Class    | "class F (+155 °C) On request: class H (+180 °C)" |
| Protection class | IP 00   |

### Electrical characteristics

|                             |               |
|-----------------------------|---------------|
| Linearity (5% L)            | 1,5 In        |
| Maximum transient current   | 2 In (1 min)  |
| Voltage                     | up to 1000 V~ |
| L value (mH)                | 0.28          |
| Insulation voltage, circuit | 4 kV          |

### Current measurement circuit

|                      |   |
|----------------------|---|
| Nominal current (In) | According to table. Other values on request |
| Allowable overload   | 1,7 In                                      |
| Permanent overload   | 1,7 In                                      |

### Standards

|           |                          |
|-----------|--------------------------|
| Standards | UNE-EN 60289 , IEC 60076 |
|-----------|--------------------------|

### LRZ / LRBZ

Filter reactors for power converters (network side), 50 Hz

| CODE    | TYPE        |
|---------|-------------|
| P7330B. | LRZ 04-050  |
| P7330D. | LRZ 04-066  |
| P7330E. | LRBZ 04-080 |
| P7330G. | LRBZ 04-115 |
| P7330J. | LRBZ 04-185 |
| P7330K. | LRBZ 04-200 |
| P7330M. | LRBZ 04-300 |



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## Dimensions

