

LRBZ 04-080

LRBZ 04-080, Reactor

- Code: P7330E.
- > L(mH): 0,4
- > In (A): 76
- > Losses: 110
- > Motor P.: 37
- > Motor P. (CV): 50

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.

Circutor



LRBZ 04-080

Reactors for filtering for power converters (network side)

Code: P7330E.

Specifications

Mechanical characteristics	
Size (mm) width x height x depth	180 x 160 x 135 (mm)
Envelope	Conductor type: copper strip (or aluminium on request)
Weight (kg)	12,5
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 ln (1 min)
Voltage	up to 1000 V~
L value (mH)	0.4
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

ТҮРЕ
LRZ 04-050
LRZ 04-066
LRBZ 04-080
LRBZ 04-115
LRBZ 04-185
LRBZ 04-200
LRBZ 04-300
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Dimensions

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