



RBX-36-480-60 Hz

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Code: P721370017000 DESCATALOGADO

> Reactor

Description

CIRCUTOR has a standard range of rejection reactors $p = 7\%$, with a resonance frequency of 189 Hz for 50 Hz networks (or 227 Hz on demand for 60 Hz networks). This is the most frequent tuning value to avoid any resonance of the 5th harmonic and higher. The capacitor-reactor assembly absorbs the portion of the current of the 5th order harmonic and acts as a detuned filter for higher frequencies. In some installations, other values of $p\%$ are required, for example 5.6% (210 Hz), 6% (204 Hz), 14% (134 Hz), etc. CIRCUTOR can build reactors on demand, which will be adapted to any power rating, $p\%$, voltage and frequency. RX-type low-power reactors are built with low-loss plates and are coiled with a copper conductor. The connection is made using suitable terminals. In the case of higher power ratings, RBX reactors are used, with a magnetic plate nucleus with multiple air gaps, which offer excellent features and a very low loss ratio. Aluminium band coils are used (or copper band on demand) and the input and output connections run through a busbar. Both the RX and RBX reactors are impregnated with varnish in a vacuum to increase insulation, providing greater mechanical resistance and reducing noise levels.

Application

The rejection reactors of the RX / RBX series have been specifically designed for use in capacitor banks in installations with a high harmonic content. The reactors must be connected in series to each capacitor to ensure adequate protection of the capacitors and to prevent resonance effects in the installation.



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Specifications

RX-RBX

Reactors III for detuned filters

CODE	TYPE
400 Vac, 50 Hz, f resonance = 189 Hz / ρ= 7%	
P72110.	RX-5-400
P72112.	RX-6,25-400
P72115.	RX-10-400
P72117.	RX-12,5-400
P72120.	RX-15-400
P72125.	RBX-20-400
P72130.	RBX-25-400
P72135.	RBX-30-400
P72140.	RBX-40-400
P72145.	RBX-50-400
P72150.	RBX-60-400
P72155.	RBX-80-400
P721370017000	RBX-36-480-60 Hz
P721530017000	RBX-75-480-60 Hz
480 Vac, 60 Hz, f resonance = 227 Hz / ρ= 7%	
P721130017000	RX-7,5-480-60 Hz-7%
P721150017000	RX-10-480-60Hz-7%
P721170017000	RX-12,5-480-60 Hz-7%
P721200017000	RX-15-480-60 Hz-7%
P721250017000	RBX-20-480-60Hz-7%
P721300017000	RBX-25-480-60 Hz-7%
P721350017000	RBX-30-480-60 Hz-7%
P721400017000	RBX-40-480-60Hz-7%
P721450017000	RBX-50-480-60 Hz-7%
P721500017000	RBX-60-480-60 Hz-7%
P721550017000	RBX-80-480-60Hz-7%
480 Vac, 60 Hz, f resonance = 160 Hz / ρ= 14%	
P710230017000	RX-12,5-480-60Hz-14%
P721170017300	RX-12,5-480-60Hz-14%
P710240017000	RX-15-480-60Hz-14%
P721200017300	RX-15-480-60Hz-14%
P723300017000	RX-25-480-60Hz-14%



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P721300017300	RX-25-480-60Hz-14%
P723500017000	RBX-30-480-60Hz-14%
P721350017300	RBX-30-480-60Hz-14%
P724200017000	RBX-50-480-60Hz-14%
P721450017300	RBX-50-480-60Hz-14%