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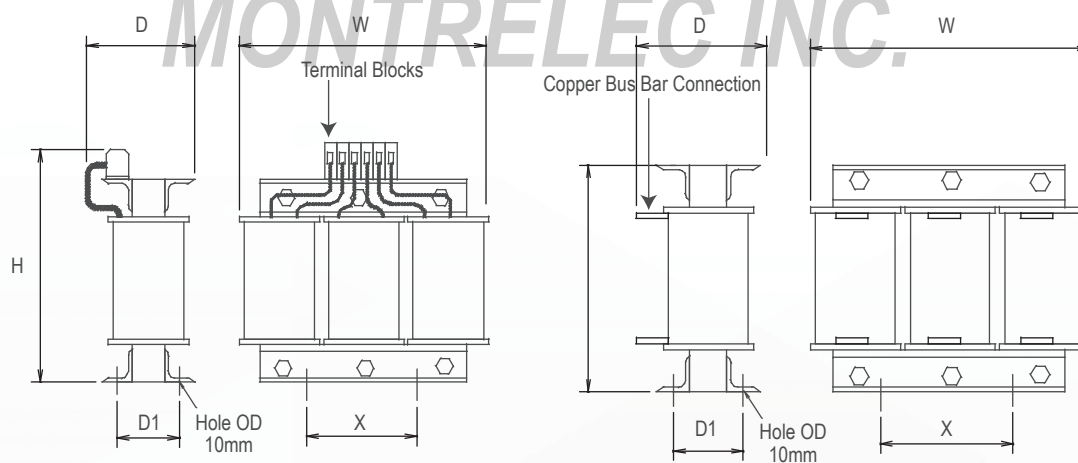
A Series Reactor functions together with a power capacitor to provide a Series Resonance circuit that acts as a sink drawing damaging harmonics, preventing dangerous overloads and increasing the life of the Automatic Power Factor Correction System Components.

No.	Specifications	Data
1	Maximum Rated Input Voltage	600V
2	Frequency	50 Hz
3	Resonance Frequency	7% - 189 Hz / 6% - 204Hz / 13% - 138Hz
4	Impedance Ratio / Model	P= 7% of Capacitor Value / BR07 P= 6% of Capacitor Value / BR06 P= 13% of Capacitor Value / BR13
5	Coil Winding Material	Copper[Aluminium on request]
6	Maximum Current Including Harmonics Overload	1.5 Times the Capacitor current
7	Approximate Losses	15-20W / kVAr (Qc)
8	Tolerance of Inductance	+/- 3% at Effective Current (Ieff)
9	Linearity of Inductance	1.75 x IC
10	Designed Limits for Harmonic Currents	I5 = 50%, I7 = 25%, I11 = 12.5%, I13 = 5%
11	Ventilation / IP Class	Air-Cooled / IP 00 [Indoor]
12	Maximum Reactor Operating Temperature	135°C at ambient temperature 45°C
13	Thermal Overload Protection	Built-in thermostat cut off at 135°C
14	Insulation Class	Class F (155°C)
15	Vacuum Impregnation	Yes
16	Insulation Strength Testing Voltage	3kV
17	Noise Level	Below 55db
16	Installation Mounting & Clearance	Vertical, Minimum 50mm to adjacent part
17	Duty Cycle	Continuous
18	Compliance Standards	IEC60076-6

Detuned Harmonic Filters at (415V/440V) network p=7% according to spec EN60076-6

Product Code	Capacitor Power (kVAr)	Capacitor Voltage (V)	LC Power at (415V /440) (kVAr)	Reactor Inductance (mH)	Dimension (WxDxH) mm	Fixing Holes (X x D1)mm	Weight (kg)
BR07ELCO0050ALU	5	525	3.36	12.28	120x95x130	10x5	2.5
BR07ELCO0100ALU	10	525	6.72	6.14	180x105x175	10x5	5
BR07ELCO0125ALU	12.5	525	8.4	4.91	180x125x155	10x5	5.5
BR07ELCO0150ALU	15	525	10	4.1	180x145x155	10x5	5.8
BR07ELCO0200ALU	20	525	13.44	3.07	180x155x155	10x5	8
BR07ELCO0250ALU	25	525	16.8	2.46	250x145x205	15x10	9
BR07ELCO0300ALU	30	525	20	2.05	250x145x205	15x10	11
BR07ELCO0400ALU	40	525	26.88	1.54	250x145x205	15x10	12
BR07ELCO0500ALU	50	525	33.6	1.23	250x165x205	15x10	15
BR07ELCO0600ALU	60	525	40	1.02	270x165x245	15x10	17
BR07ELCO0700ALU	70	525	47.03	0.877	270x165x245	15x10	20
BR07ELCO0750ALU	75	525	50	0.82	270x165x245	15x10	21
BR07ELCO0800ALU	80	525	53.75	0.768	270x180x245	15x10	26
BR07ELCO0900ALU	90	525	60.47	0.682	270x180x245	15x10	27
BR07ELCO1000ALU	100	525	67.2	0.61	300x180x260	15x10	28
BR07ELCO1200ALU	120	525	80	0.51	300x185x260	15x10	31
BR07ELCO1500ALU	150	525	100	0.41	300x205x260	15x10	40
BR07ELCO2000ALU	200	525	135	0.31	350x200x310	15x10	45

Product Dimension



For 5 - 10 KVAR

For 12.5 - 200KVAR