



THE FIRST CHOICE OF ENERGY EFFICIENCY

700Q ELCO 0050

Rated Kvar
0050 – 5.0Kvar
||
0300 – 30.0Kvar

ELCO CYLINDRICAL TYPE POWER CAPACITOR

700 SERIES

6/15 KV

Three-phase Cylindrical - Type Power Capacitor is used to correct power factor for motors, low voltage transformer and inside industrial switchboard. It is sometimes used with blocking reactors with harmonics presence.

FEATURES

- Dry type, Cylindrical aluminum case
- 3 phase connection
- Rated voltage 440V
- Maximum permissible current 1.43x rated current
- Maximum inrush current 200 x rated current
- Compliance to standard IEC 60831 – 1 & 2 : 2014
- Equipped with pressure activated series interruptor
- Statistical Life Expectancy > 150,000 operating hours

TECHNICAL SPECIFICATION

Construction	
Type	Dry Metalized Film, Self-Healing
Casing	Cylindrical Extruded Aluminium Can
Dielectric	Bi-Axially Oriented Polypropylene
Plate	with Zinc-Aluminium Alloy
Encapsulation/Impregnation	Polyurethane Resin
Electrical Performance	
Rated Voltage (UN)	440V
Frequency (fN)	50 / 60 Hz
Connection	Internal Delta
Temperature Category	D / -25°C to +55°C
Relative Humidity	≤ 95%
Capacitance Tolerance	-5% / 10%
Dielectric Loss (excluding discharge resistor)	< 0.2W / kvar
Total Losses (Including Discharge Resistor)	< 0.4W / kvar
Total Losses (excluding discharge resistor)	< 0.3W / kvar
Testing Voltage Between Terminals	2.15 UN For 2s
Testing Voltage Between Terminals and Container / Time	6 KV / 10s
Maximum Permissible Current	1.43 IN
Lighting Impulse Test Between Terminal-Container	15KV (Peak)
Maximum Inrush Current	200 IN
Capacitor Discharge Time	3 min to 75V
Statistical Life Expectancy	> 150,000 Operating Hours
Standards	IEC 60831-1 & 2 : 2014
Installation	
Terminal Arrangements	Terminal Block
Screw Torque	M5 : ≤ 2 Nm , M12 : ≤ 15 Nm
Minimum Installation Clearance	50mm Between Top of Capacitor to Enclosure and 50mm Between Units
Service Condition	
Residual voltage at energization	Not exceed 10% rated voltage
Altitude	Not exceeding 2000 m
Ambient temperature : Highest mean over any period of	24 Hours : 45°C , 1 year : 35°C
Maximum Permissible Voltage	1.00 UN - Continuous 1.10 UN - 8 H in every 24 H 1.15 UN - 30 min in every 24 H 1.20 UN - 5 min 1.3 UN - 1 min
Safety Features	
Safety Device	Pressure Activated Series Interrupter
IP Rating	IP20

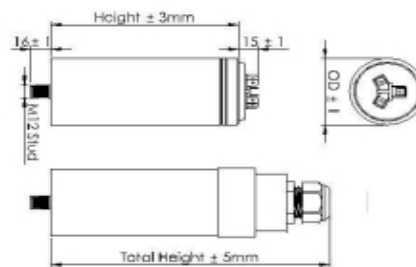
PRODUCT INFORMATION - 700 SERIES

Product Code	Capacitance (uF)	440		400		240		Dimension (mm)			Weight (kg)
		QN	IN	QN	IN	QN	IN	OD	Height	Total Height	+/- 0.2
700QELCO0050	3 x 27.4	5.0	6.6	4.1	6.0	1.5	3.6	60	153	225	0.5
700QELCO0100	3 x 54.8	10.0	13.1	8.3	11.9	3.0	7.2	75	225	270	1.3
700QELCO0150	3 x 82.2	15.0	19.7	12.4	17.9	4.5	10.7	75	225	270	1.3
700QELCO0200	3 x 109.6	20.0	26.2	16.5	23.9	6.0	14.3	75	287	332	2.0
700QELCO0250	3 x 137.0	25.0	32.8	20.7	29.8	7.4	17.9	86	287	332	2.0
700QELCO0300	3 x 164.4	30.0	39.4	24.8	35.8	8.9	21.5	86	329	374	2.5

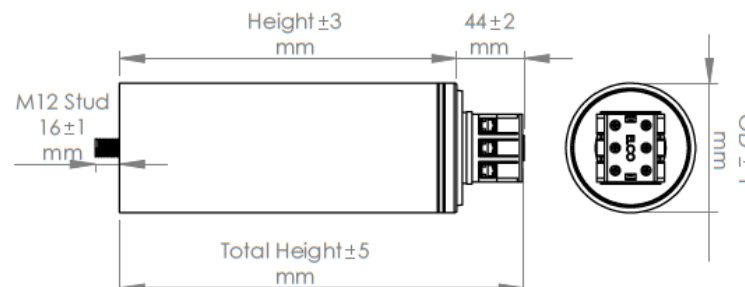
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700QELCO0100	3 x 54.8	12.0	15.7	9.9	14.3	3.6	8.6	75	225	270	1.3
700QELCO0150	3 x 82.2	18.0	23.6	14.9	21.5	5.4	12.9	75	225	270	1.3
700QELCO0200	3 x 109.6	24.0	31.5	19.8	28.6	7.1	17.2	75	287	332	2.0
700QELCO0250	3 x 137.0	30.0	39.4	24.8	35.8	8.9	21.5	86	287	332	2.0
700QELCO0300	3 x 164.4	36.0	47.2	29.8	42.9	10.7	25.8	86	329	374	2.5

QN = kVAr ; IN = Amps

PRODUCT DIMENSION



5 kvar



10 kvar to 30 kvar

