


MONO Long Life 4I_N Single phase capacitors

The capacitors making up the series **MONO Long Life 4I_N** are manufactured using elements wound with the PPMh film and housed in metal cases with metal lids. The parts are assembled by crimping to ensure perfect airtightness of the system and efficient operation of the overpressure safety device. The use of resin impregnation technology greatly enhances the capacitor's performance in terms of heat dissipation as well as ensuring a long life and excellent ground insulation.

These characteristics make these capacitors especially suitable for Continuous duty under highly demanding condition in harmonic rich environments.

General Characteristics

Power Range	1.67 – 8.33 kVAr
Voltage range	400 ÷ 525 V
Rated frequency	50 Hz/60 Hz
Capacitance tolerance	-5 +10%
Duty	Continuous
Dielectric losses	≤ 0.2 W/kVAr
Life expectancy	≥ 110000h – 25/D ≥ 130000h – 25/C
Max dV/dt	≤ 100 V /μs
Temperature class	-25/D
Max overload I _n	4 x I _n
Max inrush current	200 I _n
Terminals	Double faston M5 bolt for Q= 8.33 kVAr
Protection rating	IP 00
Discharge resistance	NO. Option discharge resistance 68kΩ 4W 315.99.0116
Impregnating material	Eco-friendly resin
Altitude	≤ 2000 m s.l.m.
Test voltage (AC) between terminals	2.15 U _n x 2 s
Test voltage (AC) between terminals and case	3kV x 10 s
Standards	IEC 831 - 1/2
Approvals	 * with modified PN 416.84.

Un (V)	Qn (kVAr)	In (A)	C (μF)	DxH (mm)	Pcs x box	Part n. 416.53
400	1.67	4.2	33.2	45x115	40	1100
	2.5	6.3	49.8	50x115	28	1150
	3.33	8.3	66.3	50x150	28	1200
	4.17	10.4	83	55x150	28	1250
	5	12.5	99.5	60x150	25	1300
	6.66	16.7	132.6	60x165	18	1350
	8.33	20.8	165.8	65x165	16	1400
415	1.67	4	30.9	45x115	40	2100
	2.5	6	46.2	50x115	28	2150
	3.33	8	61.6	50x150	28	2200
	4.17	10	77.1	55x150	28	2250
	5	12	92.5	60x150	25	2300
	6.66	16	123.2	60x165	18	2350
	8.33	20	154	65x165	16	2400
450	1.67	3.7	26.3	45x115	40	3100
	2.5	5.6	39.3	50x115	28	3150
	3.33	7.4	52.4	50x150	28	3200
	4.17	9.3	65.6	55x150	28	3250
	5	11.1	78.6	60x150	25	3300
	6.66	18.8	104.7	60x165	18	3350
	8.33	18.5	131	65x165	16	3400
525	1.67	3.2	19.3	45x115	40	4100
	2.5	4.8	28.9	50x115	28	4150
	3.33	6.3	38.5	50x150	28	4200
	4.17	7.9	48.2	55x150	28	4250
	5	9.5	57.8	60x150	25	4300
	6.66	12.7	77	60x165	18	4350
	8.33	15.9	96.2	65x165	16	4400

Standard box dimensions: 195x390x255 mm
Weight: 9 Kg.

Terminal cover IP54

Code 316.	Diam. (mm)	Packages n. pz. per box
23.0860	45	100
23.1070	50	200
52.3350	55	72
52.3355	60	60
52.3360	65	60

To enable the overpressure protection device to operate efficiently, it is necessary to leave a gap of at least 30 mm. above the element and use flexible leads for the connection.

