



FLOPPY CAP

Single phase capacitors

The capacitors making up the **FLOPPY CAP - STANDARD LIFE** series are housed in metal cases. The lids are made of self-extinguishing plastic (Class V2 under the inflammability classification of standard UL 94). The capacitor is sealed closed by reading the case over the lid, a solution that guarantees perfect airtightness, which is necessary to ensure the efficiency of the over-pressure safety device.

The placement of an insulating container between the capacitor element and the metal case, combined with the embedding of the capacitor element in resin, makes the capacitor extremely safe from an electrical point of view (ground insulation) and insensitive to vibrations.

General Characteristics

Power Range	1.67 – 4.17 kVAr
Voltage range	230 ÷ 550 V
Rated frequency	50 Hz /60 Hz
Capacitance tolerance	-5 +10%
Duty	Continuous
Dielectric losses	≤ 0.3 W/kVAr
Life expectancy	≥ 50000h – 25/D ≥ 80000h – 25/C
Max dV/dt	≤ 25 V /μs
Temperature class	-25/D
Max overload In	2 x In
Max inrush current	100 I _n
Terminals	Double faston
Protection rating	IP 00
Discharge resistance	NO
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	 (excluding 500-550 V models)  (excluding U _n >440 V models)

Un (V)	Qn (kVAr)	In (A)	Cn (μF)	DxH (mm)	Pcs x box	Part n. 416.30	Dim. Box
230	0.83	3.6	50.2	45x122	25	0764	A
	1.67	7.2	100	60x137	25	0564	A
400	1.67	4.2	33.2	50x122	25	3964	B
	2.5	6.3	50	55x132	25	4064	A
	3.33	8.3	66.3	60x137	25	3764	A
	4.17	10.4	83	60x137	25	5064	A
415	1.67	4	30.9	50x122	25	3264	A
	2.5	6	46.2	55x132	25	3464	A
	3.33	8	61.6	60x137	25	3664	A
	4.17	10	77	60x137	25	5264	A
450	1.67	3.7	26.3	50x132	25	6464	A
	2.5	5.6	39.3	55x132	25	6164	A
	3.33	7.4	52.4	60x137	25	6264	A
	4.17	9.3	65.5	60x137	25	5364	A
500	1.67	3.3	21.3	50x132	25	8664	A
	2.5	5	31.8	55x132	25	7664	A
	3.33	6.6	42.4	60x137	25	7964	A
	4.17	8.3	53.1	60x137	25	5664	A
550	1.67	3	17.6	45x132	25	8164	B
	2.5	4.5	26.3	55x132	25	7464	A
	3.33	6.1	35.1	60x137	25	7764	A
	4.17	7.6	43.4	60x137	25	8064	A

Standard box dimensions: A= 195x390x255 mm. B= 195x390x200 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

To enable the overpressure protection device to operate efficiently, it is necessary to leave a gap of at least 20 mm. above the element and use flexible leads for the connection.

