



CTB capacitors, available in three terminations, are the ideal solution to compensate for small loads. When assembled on racks, they can be used in automatic P.F.C. equipment. They are equipped with an **overpressure safety device**.

PERFORMANCE DATA

- Capacitance tolerance -5% / +10%.
- Rated frequency 50 Hz (60 Hz on request)
- Supply Three-phase
- Max. allowable voltage 1,1 Un (max. 8 /24 h)
- Safety device Overpressure disconnector
- Expected life 60.000 / 100,000 hours

HARMONIC CONTENT (in absence of resonance)

THD(I)max. = 10% on the network

TECHNICAL DATA

Dielectric	Self-healing metallised polypropylene (MKP).
Case	Aluminium.
Execution	Vegetable oil, PCB free. On request: dry type, in resin
Fastening	M12 threaded bolt for ground fixing. Nut and washer included.
Degree of protection	IP 40 (with cover for the version $\varnothing 70 \div 85$ mm). IP 20 (with cover for the version $\varnothing \geq 100$ mm).
Test voltage	2,15 Un / 10 seconds between terminals. 3000 Vac / 10 seconds between terminal and case.
Dielectric losses	$\leq 0,2$ W / kvar.
Total losses of the capacitor	$\leq 0,4$ W / kvar.
Discharge resistors	Included (75V residues within 3 minutes). For $\varnothing \leq 70$ mm, located internally..
Max. voltage / time variation	$< 25V / \mu s$
Temperature class category	-25°C / C.
Ambient temperature	Max value: +50°C. Average daily: +40°C Average yearly: +30°C
Type of service	Continuous.

TERMINATIONS

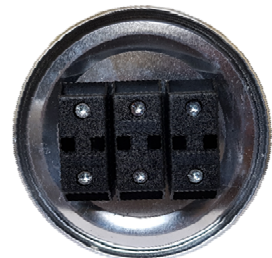
faston 6,3



threaded screw M8



clamp



QUALITY AND TESTING

Regulations IEC / EN 60831-1/2

European directives Low voltage: 2014/35/CE; Electromagnetic compatibility: 2014/30/CE.

CONFIGURATIONS

Notes

- In order to make capacitor banks, it is necessary to use suitable discharge resistors and current peak limiting systems upon insertion, compatibly with the characteristics of the capacitors (25 A / μ F).

Table

THD(I)_{max.} = 10%

Code	Capacitance μ F	50 Hz			Terminals	Dimensions D x H
		kVAr	V	A		
8300475	3 x 30	1,5	230	3,8	faston 6,3	75 x 175
830675	3 x 50	2,5	230	6,3	faston 6,3	70 x 200
830680	3 x 100	5	230	12,6	M8	85 x 285
8305875	3 x 33	5	400	7,2	faston 6,3	70 x 200
8305975	3 x 66,3	10	400	14,4	M8	85 x 200
8305980	3 x 83,3	12,5	400	18	M8	85 x 300
8305985	3 x 100	15	400	21,6	M8	85 x 300
8301523	3 x 133	20	400	28,8	clamp	100 x 285
8301525	3 x 165,8	25	400	36,1	clamp	100 x 285
8302075	3 x 9,3	1,5	415	2	faston 6,3	70 x 115
8302275	3 x 15,5	2,5	415	3,5	faston 6,3	70 x 175
8302475	3 x 31	5	415	7	faston 6,3	70 x 200
8302481	3 x 46,6	7,5	415	10,4	faston 6,3	70 x 200
8302579	3 x 62	10	415	14	M8	85 x 200
8302588	3 x 77	12,5	415	17,4	M8	85 x 200
8302599	3 x 93	15	415	20,9	M8	85 x 200
8302600	3 x 123	20	415	27,8	clamp	85 x 285
8302622	3 x 154	25	415	34,7	clamp	100 x 285
8304811	3 x 54,8	10	440	13,1	M8	85 x 200
8304813	3 x 68,5	12,5	440	16,4	M8	85 x 200
8304805	3 x 110	20	440	26,2	clamp	100 x 285
8304810	3 x 137	25	440	32,8	clamp	100 x 285
8304838	3 x 164,4	30	440	39,4	clamp	120 x 310
8304852	3 x 219	40	440	52,5	clamp	120 x 315
8304855	3 x 277	50	440	65,7	clamp	136 x 310
8306710	3 x 50	10	460	12,5	M8	75 x 200
8306712	3 x 63	12,5	460	15,7	M8	85 x 200
8306720	3 x 100	20	460	25	M8	85 x 200
83068115	3 x 38,5	10	525	11	M8	85 x 200
8307031	3 x 48	12,5	525	13,7	M8	85 x 200
8307032	3 x 57,8	15	525	16,5	M8	85 x 285
8306822	3 x 77	20	525	22	clamp	100 x 310
8306827	3 x 96,3	25	525	27,4	clamp	120 x 310
8306832	3 x 115,5	30	525	33	clamp	120 x 310
8306840	3 x 154	40	525	44	clamp	136 x 310
8306910	3 x 66	10	690	8,3	clamp	100 x 285
8306900	3 x 84	12,5	690	10,5	clamp	100 x 285
8306920	3 x 133	20	690	16,7	clamp	100 x 285
8306925	3 x 167	25	690	21	clamp	120 x 310

Other solutions are available upon request.