

CT15 - 50

Three-Phase Capacitors for Power Factor Correction



The three-phase modular capacitors of the **CT** series are designed for fixed low-voltage power factor correction. The construction of the capacitors is designed to guarantee optimum thermal dissipation. Three single-phase MKAS units are assembled inside, each equipped with an anti-explosion device.

TECHNICAL DATA

Dielectric	Self-healing metallised polypropylene (MKP).
Case	Metal (external housing).
Execution	Vegetable oil, PCB-free. On request: dry type, resin.
Fixing	Screw, max. tightening torque per rheophole: 7Nm
Degree of protection	IP 40 with cover.
Test voltage	2.15 Un / 10 seconds between terminal and terminal. 3000 Vac / 10 seconds between terminals and housing.
Dielectric leakage	
Total capacitor losses	
Discharge resistor	Included (75V residual within 3 minutes).
Max. Voltage variation	
Thermal category	
Type of service	Continuous for indoor use.

STANDARD CONFIGURATIONS

Code	Type	capacitance	Nominal Parameters			Parameters at 440V		Terminals	Weight
			kvar	V	A	kvar	A		
8371103	CT15	3 x 21	3,4	415	4,7	4,3	5,7	M8	2,4
8371106	CT15	3 x 38,5	6,25	415	8,7	8,0	10,4	M8	2,8
8371112	CT15	3 x 77	12,5	415	17,4	15,9	20,9	M8	3,3
8371122	CT15	3x124	20	415	27,8			M8	3,8
8373505	CT50	3 x 21	3,4	415	4,7	4,3	5,7	M8	2,4
8373510	CT50	3 x 38,5	6,25	415	8,7	8,0	10,4	M8	2,9
8373512	CT50	3 x 77	12,5	415	17,4	15,9	20,9	M8	3,4

- Note**
- Parallel connection bars, which allow modularity of the product, have a maximum capacity of 72A and are included in the supply.
 - The dimensions are fixed: A = 70 mm; B = 210 mm; H = 250 mm
 - The CT series units are always mounted vertically.
 - In order to realise power factor correction batteries, the use of suitable discharge resistors and peak current limitation systems at insertion must be considered, compatible with the capacitor characteristics (25 A / μ F).

QUALITY

Regulations IEC EN 60831-1 : 2015. IEC EN 60831-2 : 2015.

European Directives Low voltage: 2014/35/EC.

PERFORMANCE DATA

Rated voltage (Un)	415V
Tolerance on capacitance	-5% / +10
Rated frequency	50 Hz
Power supply	Three-phase
Voltage overload	1.1 Un (max. 8 hrs. per 24)
Safety System	Overpressure device
Expected life	80,000 / 130,000 hours

HARMONIC CONTENT RESONANCE NOT ADMITTED

CT15:	THD(I)max. = 15%.	in the grid
CT50:	THD(I)max. = 35 %	in the grid

