

# EZY-CC

## Coupling Capacitors for motors and generators



### Features

- Design
  - Ultra compact size
  - Hermetic design
- Safety
  - Internal over-voltage suppressors
  - High-voltage resistant, anti-tracking silicon polymer molding compound
  - Unique double module redundant HV-design with 2 capacitors in series.
- Standards
  - IEC60034-27
  - IEC60270
- Smallest coupling capacitors makes it ideal for retrofits
- Nominal capacitances available 80pF, 140pF and 1.000pF

EZY-CC is the latest generation of capacitive couplers designed specifically for partial discharge measurements of motors and generators. These are a result of a study performed together with BASF and the university of Technology, Kaiserslautern (Germany).

Our standard coupling capacitors can be used for online- and offline measurements. Thanks to their ultra-compact size they are the ideal solution for retrofits. The coupling capacitors will be typically installed on the busbar or on the high voltage terminals of the rotating machine.

### Improved Safety

The connection box is fitted with internal overvoltage suppressors to protect you in case of overvoltage. There is no galvanic connection between the high-voltage capacitor module and the signal cable. Additionally, embedded isolating wideband high-frequency current-transformer decouples the unit from ground noise.

### Benefits

- Thanks to its hermetic design all components including signal cable and high-voltage connection cable are completely molded. The high-voltage connection via a silicon cable with high breakdown voltage decouples mechanical vibration.
- Connection box fitted with overvoltage suppressors
- Thanks to the compact size they can be easily used for retrofits for industrial motors



## General Specifications

Rated voltage	15kV (Phase – ground, RMS)
Tolerance	+/- 20%
Capacitance	1250pF (nominal)
Operation Temp.	-20°C to +85°C
Mounting	10mm allen screws
High Voltage	Flexible, integrated silicon lead
Ground-Connection	M6
Signal Output	BNC Female
PD – Signal	Integrated HF transformer or quadrupole
Synchronisation	On coupler current
Overtoltage	90V spark gaps, 1 kOhm termination resistor built in
PD-Level @ 20kV	<5pC
Withstand Voltage (1min)	40kVrms

## Product Versions

EZY CC 12 1000  
 EZY CC 24 1000  
 EZY CC 12 80  
 EZY CC 24 80  
 EZY CC 24 140



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