



## IEC CONFORMITY CERTIFICATE

With this certificate we approve that **GMKP** type **LOW VOLTAGE POWER FACTOR CORRECTION CAPACITORS** provided by **FRANKE GMKP ENERGY** are in compliance with reference standards **IEC 60831-1 (2002-11) & IEC 60831-2 (1995-12)** (including latest amendments).

This conformity certificate has been issued after running the following tests at the special technical department FRANKE in Germany and China.

### 1. ROUTINE TESTS

- 1.1 Measurement of capacitance & output calculation
- 1.2 Measurement of the tangent of loss angle ( $\tan \delta$ ) of the capacitor
- 1.3 Voltage test between terminals
- 1.4 Voltage test between terminals and container
- 1.5 Test for internal discharge device

### 2. TYPE TESTS

- 2.1 Thermal stability test
- 2.2 Measurement of the tangent of loss angle ( $\tan \delta$ ) of the capacitor at elevated temperature
- 2.3 Voltage test between terminals
- 2.4 Voltage test between terminals and container
- 2.5 Discharge test
- 2.6 Self-healing test

Tests were carried out in accordance with **IEC 60831-1 (2002-11) & IEC 60831-2 (1995-12)**

A handwritten signature in black ink, appearing to read 'Martin.S', positioned above a horizontal line.

Martin.S  
Chief Engineer  
FRANKE ENERGY