

FR 3AC

Discharge Reactor

- Fast discharging of capacitors steps (< 5 seconds at 50 kvar / 400 V)
- 230 to 690 V rated operating voltage
- Three-phase design

// Application Recommendations

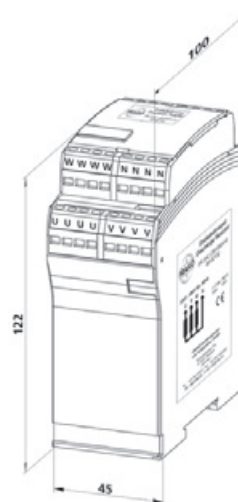
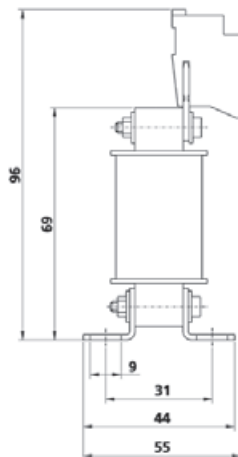
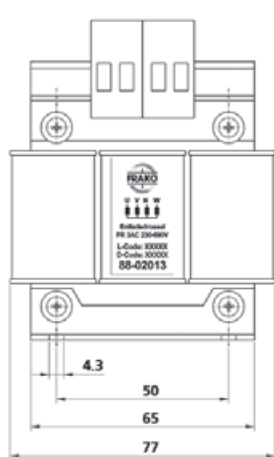
Due to the integrated discharge resistors FRAKO Power Factor Correction Capacitors discharge within approx. 1 minute. The reconnection of a capacitor stage will be delayed due to the time a capacitor needs for discharging.

Some applications require a fast reconnection. Therefore, the time a capacitor needs to discharge has to be reduced. Discharge reactors safely discharge the capacitor within a few seconds.

// Technical Data

Technical Data	Discharge Reactor	
Type	FR3AC230-690V	FR3AC230-690V-G
Rated operating voltage	3AC 230 V – 690 V	3AC 230 V – 690 V
Frequency	50 – 60 Hz	50 – 60 Hz
Operating losses	< 5W	< 5W
No-load current	< 4.5 mA	< 4.5 mA
Inductance	70H	70H
Time of discharge	230 V: 25 kvar < 5 s. 50 kvar < 10 s. 400 V: 50 kvar < 5 s. 100 kvar < 10 s. 690 V: 100 kvar < 5 s.	230 V: 25 kvar < 5 s. 50 kvar < 10 s. 400 V: 50 kvar < 5 s. 100 kvar < 10 s. 690 V: 100 kvar < 5 s.
Permissible discharges	3 / min	3 / min
Temperature class	T40 / E	T40 / E
Ambient temperature	-25...+60 °C	-25...+60 °C
Protection class	IP00	IP40
Abutting cross section	0.75-2.5 mm ²	0.75-2.5 mm ²
Fixing torque	0.5 Nm	0.5 Nm
Total weight	0.5 kg	0.6 kg
Testing voltage	4 kV AC	4 kV AC
Standards	EN 61558-2-20	EN 61558-2-20
Dimensions in mm (W x H x D)	77 x 96 x 55	45 x 122 x 100
Mounting	Mounted directly on the module	Snap assembly on top hat rail
Article-No.	88-02013	88-02132

// Dimensions



Dimensional drawing **FR3AC230-690V**
All dimensions in mm

Dimensional drawing **FR3AC230-690V-G**