

Capacitive Static Contactor Datasheet



ADDRESS: Ikitelli OSB Mah. Cevre
14. Blok Sok. Telas Blok Dis Kapi
No: 1 Kat: 1-2 Basaksehir/Istanbul

Phone: +90 212 438 80 24
Fax: +90 212 438 80 25

info@gruparge.com

1.1. General Features

It is used for switching capacitors in compensation systems. Static contactors prevent high switching currents by switching when capacitor voltage and bus voltage are equalized. Furthermore, it provides to meet the reactive needs of fast loads by switching very fast without waiting for the capacitor discharge time.

In enterprises where reactive changes are fast, contactor systems are insufficient to respond to the need for compensation. In the compensation of such enterprises, it is possible to respond to rapidly changing loads by switching with thyristors instead of switching with mechanical contactors in classical systems.

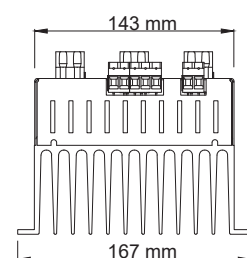
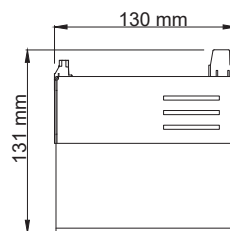
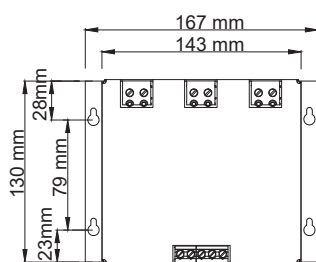
In thyristor systems, since the capacitors are activated at zero crossings, the necessity to wait for discharge times is eliminated. In addition, since the current drawn when the capacitors are first switched on is minimal, it is possible to switch on and off at a high speed.

1.2. Technical Features

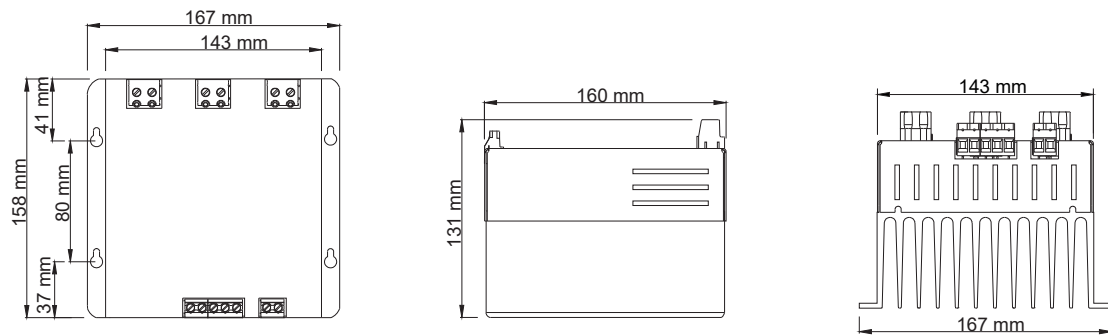
Product Code	Product Name	Product Description	Voltage (V)	Nominal Cable Cross-Section (mm ²)	Nominal Fuse Current (A)	Cooling		Mounting Direction LED	Input, Output, and Trigger Control LEDs	Internal Thermal Protection	External Thermal Protection	Dimensions W x H x D (mm)
						With Fan	Fanless Natural					
GA2201	KSK 10T3*	10 kVAr CAP. STATIC CON. 3 TRIS.	230/400	3(1x4)	25		✓	✓	✓	✓	✓	167 x 130 x 131
GA2204	KSK 20T3*	20 kVAr CAP. STATIC CON. 3 TRIS	230/400	3(1x6)	50		✓	✓	✓	✓	✓	167 x 158 x 131
GA2213	KSK 30T3*	30 kVAr CAP. STATIC CON. 3 TRIS	230/400	3(1x16)	80		✓	✓	✓	✓	✓	165 x 200 x 144
GA2202	KSK 15T2	15 kVAr CAP. STATIC CON.	400	3(1x4)	40		✓	✓	✓	✓	✓	167 x 163 x 138
GA2205	KSK 25T2	25 kVAr CAP. STATIC CON.	400	3(1x10)	63		✓	✓	✓	✓	✓	167 x 163 x 138
GA2207	KSK 50T2	50 kVAr CAP. STATIC CON.	400	3(1x35)	125	✓		✓	✓	✓	✓	167 x 210 x 141
GA2203	KSK 15T2D	15 kVAr CAP. STATIC CON. DISCHARGE RESISTANT	400	3(1x4)	40		✓	✓	✓	✓	✓	167 x 163 x 138
GA2206	KSK 25T2D	25 kVAr CAP. STATIC CON. DISCHARGE RESISTANT	400	3(1x10)	63		✓	✓	✓	✓	✓	167 x 163 x 138
GA2208	KSK 50T2D	50 kVAr CAP. STATIC CON. DISCHARGE RESISTANT	400	3(1x35)	125	✓		✓	✓	✓	✓	167 x 210 x 141
GA2210	KSK 80T2D	80 kVAr CAP. STATIC CON. DISCHARGE RESISTANT	400	3(1x50)	200	✓		✓	✓	✓	✓	167 x 275 x 135
GA2212	KSK 100T2D	100 kVAr CAP. STATIC CON. DISCHARGE RESISTANT	400	3(1x70)	250	✓		✓	✓	✓	✓	165 x 253 x 148

1.3. Technical Drawing

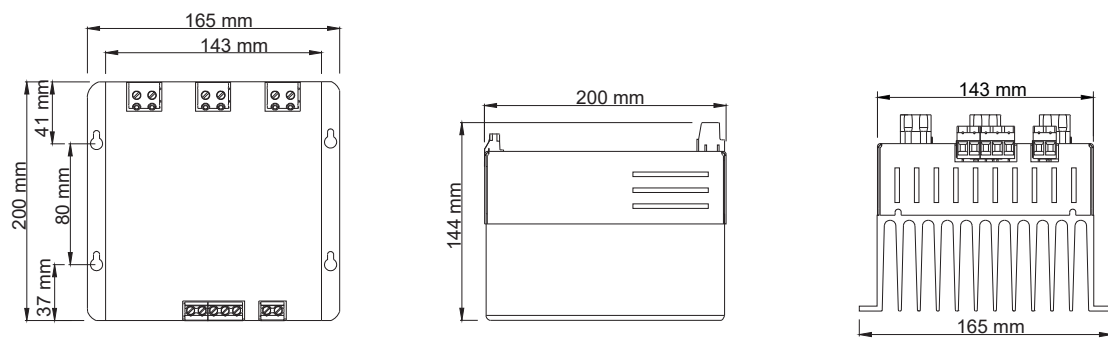
1.3.1. Capacitive Static Contactors KSK 10



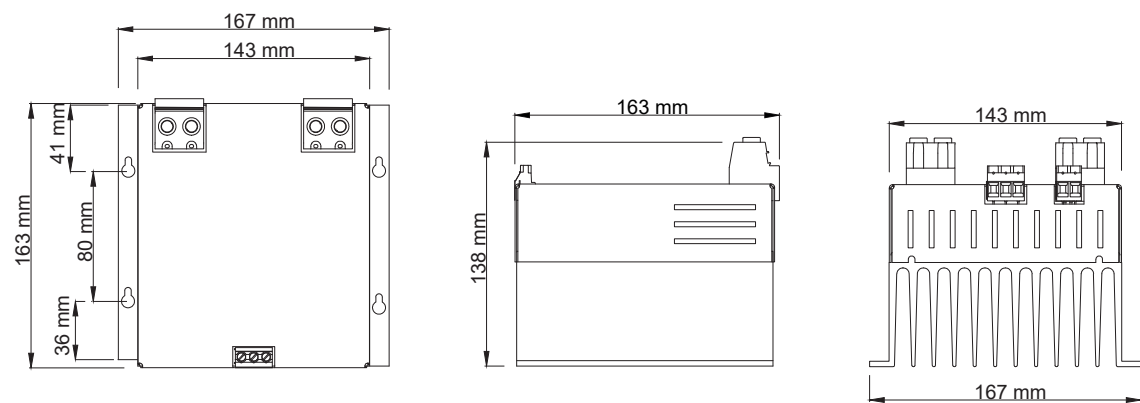
1.3.2. Capacitive Static Contactors KSK 20



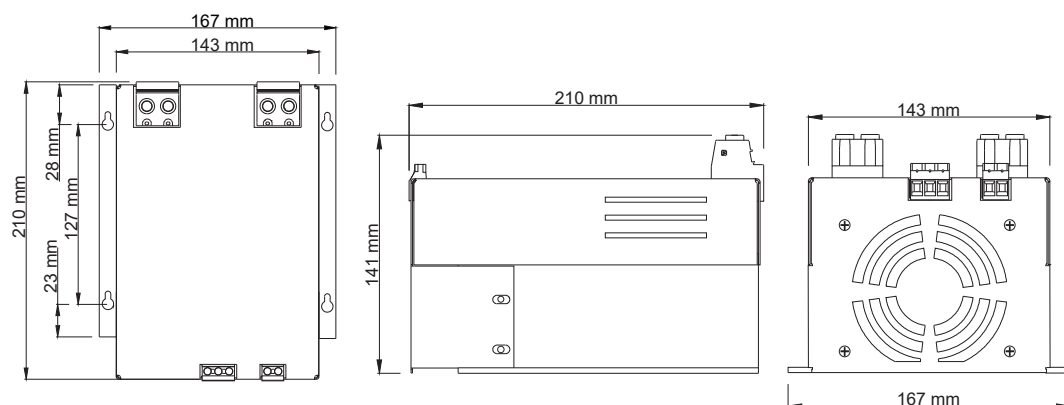
1.3.3. Capacitive Static Contactors KSK 30



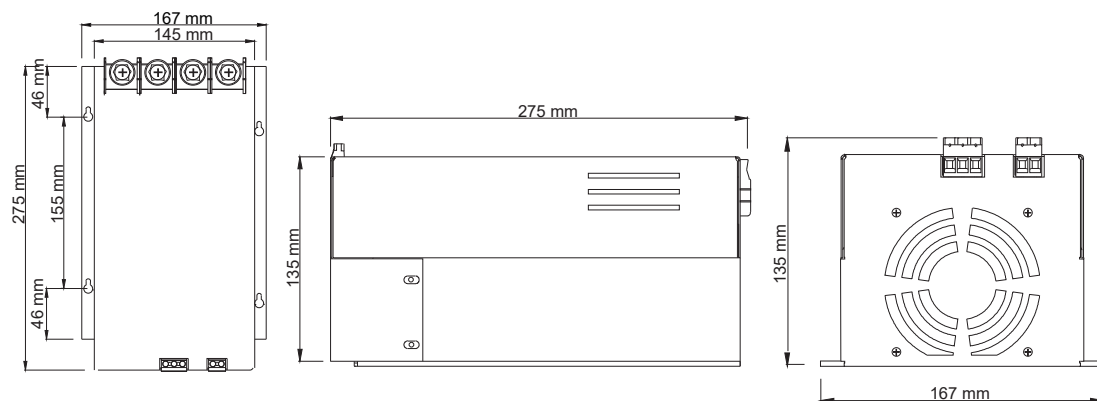
1.3.4. Capacitive Static Contactors KSK 15 - 25



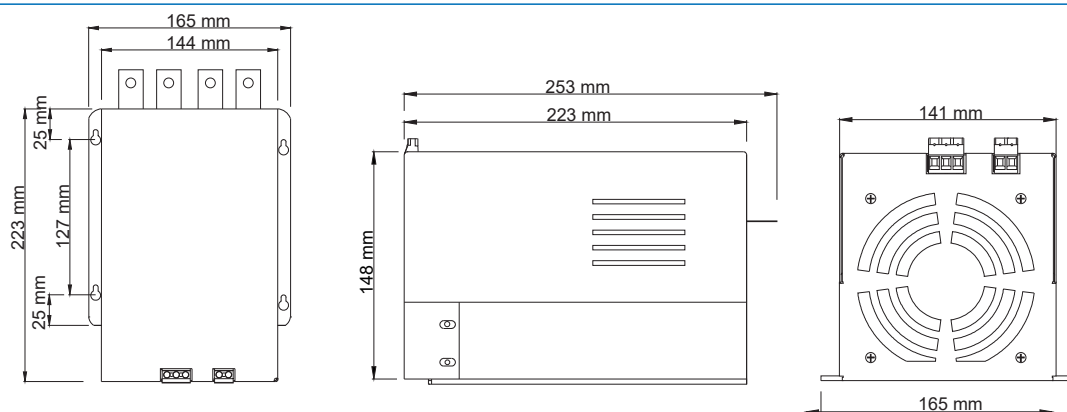
1.3.5. Capacitive Static Contactors KSK 50



1.3.6. Capacitive Static Contactors KSK 80



1.3.7. Capacitive Static Contactors KSK 100

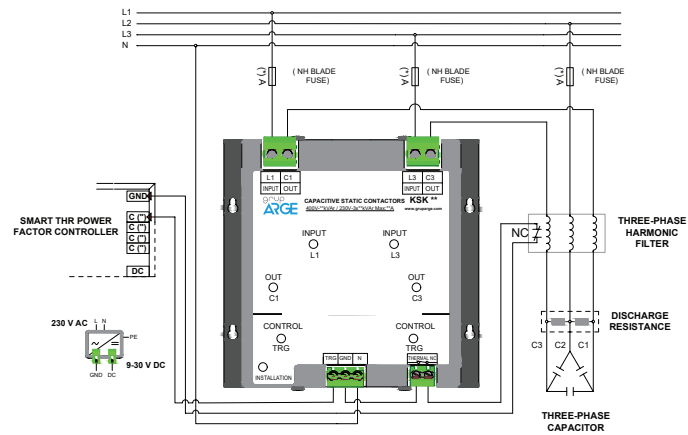


1.4. Connection Diagram

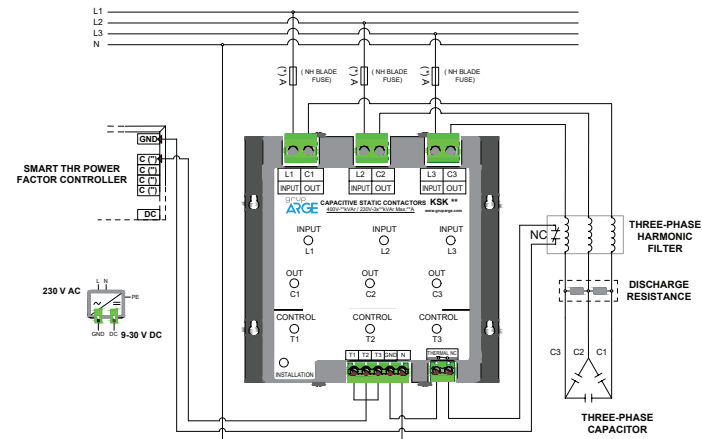
1.4.1. Capacitive Static Contactor T2 Connection

NOTE:

For static contactors with internal discharge resistor, there is no need to use an external discharge resistor.



1.4.2. Capacitive Static Contactor T3 Connection



1.4.3. Capacitive Static Contactor Single Phase T3 Connection

