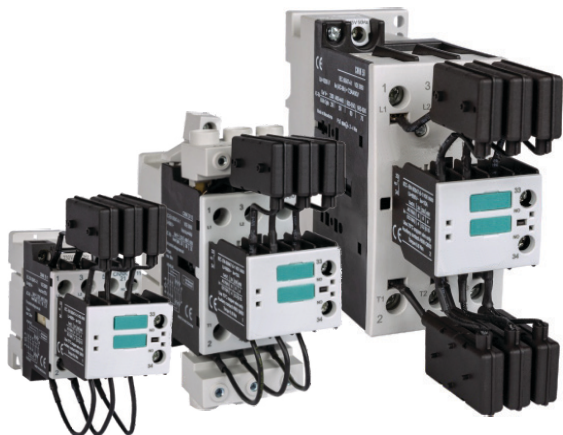


CAPACITOR DUTY CONTACTORS

KCK 20, KCK 25, KCK 25E, KCK 33, KCK 40, KCK 50, KCK 60

SWITCHING OF CAPACITORS IN SYSTEMS FOR COMPENSATION OF REACTIVE ENERGY (CLASSIC AUTOMATION DEVICES).



FEATURES

- **IN CONFORMITY WITH IEC 60947-1, IEC 60947-4-1**
- **SWITCHING OF 3 PHASE CAPACITORS**
- **STANDARD CONTROL VOLTAGE**
- 24 V AC, 48 V AC, 110 V AC, 230 V AC 400 V AC
- **MAXIMUM PERMISSIBLE PEAK CURRENT $I < 200 I_n$**
FOR CONTACTORS WITHOUT RESISTORS
- **MAXIMUM PERMISSIBLE PEAK CURRENT $I < 100 I_n$**
- **AMBIENT TEMPERATURE OF 55 °C**
- **UP TO 2 EXTENDED AUXILIARY CONTACTS (0NO + 1NC or 1NO + 1NC)**
- **INSTALLATION ON DIN RAIL AND MOUNTING PLATE**

TECHNICAL DATA

	RATING AT 50/60 Hz	CURRENT CARRYING CAPACITY				RATED CURRENT	INSULATION RATING	AMBIENT TEMPERATURE	RATED IMPULSE WITHSTAND	ELECTRICAL ENDURANCE (min.)	FREQUENCY OF SWITCHING OPERATIONS
		230 V	400 - 440 V	500 - 550 V	660 - 690 V						
KCK 20	20 kVar	11 kVar	20 kVar	24 kVar	30 kVar	29 A	690 A	-25 to +55 °C	8 kV	175.000	120 s/h
KCK 25E *	25 kVar	14 kVar	25 kVar	30 kVar	35 kVar	36 A	690 A	-25 to +55 °C	8 kV	125.000	120 s/h
KCK 25	25 kVar	14 kVar	25 kVar	30 kVar	35 kVar	36 A	690 A	-25 to +55 °C	8 kV	125.000	120 s/h
KCK 33	33 kVar	20 kVar	33 kVar	35 kVar	40 kVar	44 A	690 A	-25 to +55 °C	8 kV	125.000	120 s/h
KCK 40	40 kVar	25 kVar	40 kVar	50 kVar	58 kVar	58 A	1000 A	-25 to +55 °C	8 kV	125.000	100 s/h
KCK 50	50 kVar	29 kVar	50 kVar	60 kVar	70 kVar	72 A	1000 A	-25 to +55 °C	8 kV	125.000	100 s/h
KCK 60	60 kVar	32 kVar	60 kVar	70 kVar	80 kVar	87 A	1000 A	-25 to +55 °C	8 kV	125.000	100 s/h

* INTEGRATED AUXILIARY CONTACT 1NO OR 1NC; WITHOUT TERMINAL BLOCKS

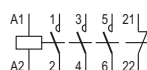
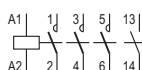
	SIZE OF CONNECTING CONDUCTORS (MAIN CIRCUIT - MULTI-WIRE CONNECTION)	TERMINAL SCREW (MAIN CIRCUIT)	SCREW HEAD (MAIN CIRCUIT)	TIGHTENING TORQUE (MAIN CIRCUIT)	SIZE OF CONNECTING CONDUCTORS (AUXILIARY CIRCUIT - MULTI-WIRE CONNECTION)	SIZE OF CONNECTING CONDUCTORS (AUXILIARY CIRCUIT - WITH CABLE SCREW)	TERMINAL SCREW (AUXILIARY CIRCUIT)	SCREW HEAD (AUXILIARY CIRCUIT)	TIGHTENING TORQUE (AUXILIARY CIRCUIT)	COIL (VOLTAGE TOLERANCE)	DEGREE OF PROTECTION
KCK 20	2.5 - 10 mm ²	M4	PZ2	1.4 Nm	1 - 2.5 mm ²	0.75 - 1.5 mm ²	M3.5	PZ2	0.8 Nm	0.85-1.1xU _n	IP20
KCK 25E *	2.5 - 10 mm ²	M4	PZ2	1.6 Nm							
KCK 25	6 - 25 mm ²	M5	Hexagon socket 2.5	2 Nm							
KCK 33	6 - 25 mm ²	M5	Hexagon socket 2.5	2 Nm							
KCK 40	16 - 35 mm ²	M6	PZ2	3 - 4 Nm							
KCK 50	16 - 35 mm ²	M6	PZ2	3 - 4 Nm							
KCK 60	16 - 35 mm ²	M6	PZ2	3 - 4 Nm							

WIRING DIAGRAM

WEIGHT

TYPE:
KCK 20 10 230V 50/60 Hz
KCK 25E 10 230V 50/60 Hz
KCK 33 10 230V 50/60 Hz
KCK 40 10 230V 50/60 Hz
KCK 50 10 230V 50/60 Hz
KCK 60 10 230V 50/60 Hz

TYPE:
KCK 20 01 230V 50/60 Hz
KCK 25E 01 230V 50/60 Hz
KCK 33 01 230V 50/60 Hz
KCK 40 01 230V 50/60 Hz
KCK 50 01 230V 50/60 Hz
KCK 60 01 230V 50/60 Hz

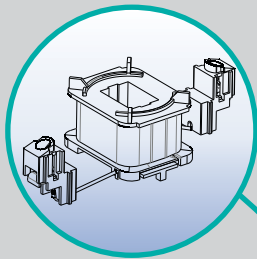


TYPE:
KCK 20 333 g KCK 40 940 g
KCK 25E 450 g KCK 50 940 g
KCK 25 520 g KCK 60 970 g
KCK 33 520 g

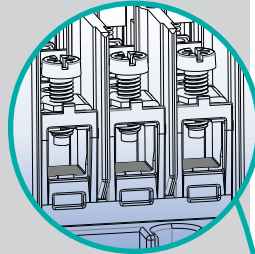
CAPACITOR DUTY CONTACTORS

KCK 20, KCK 25, KCK 25E, KCK 33, KCK 40, KCK 50, KCK 60

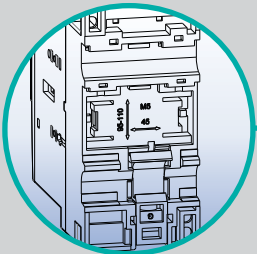
POSSIBILITIES



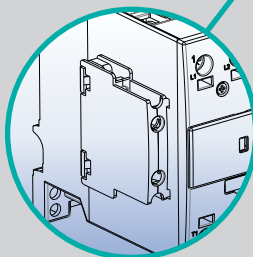
Wide range of coil voltages are provided. The users can change the coil by themselves.



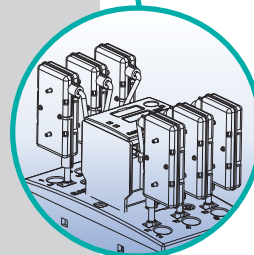
Special clamp terminals are provided for reliable connection of conductors for KCK 40 - KCK 60



Contactors type KCK can be mounted on DIN rail or directly on the mounting plate. Type KSC 20, KCK 25 and KCK 33 only DIN rail 35 mm and type KCK 40 and KCK 60 DIN rail 35 mm or 75 mm.



Auxiliary contacts - side mounting

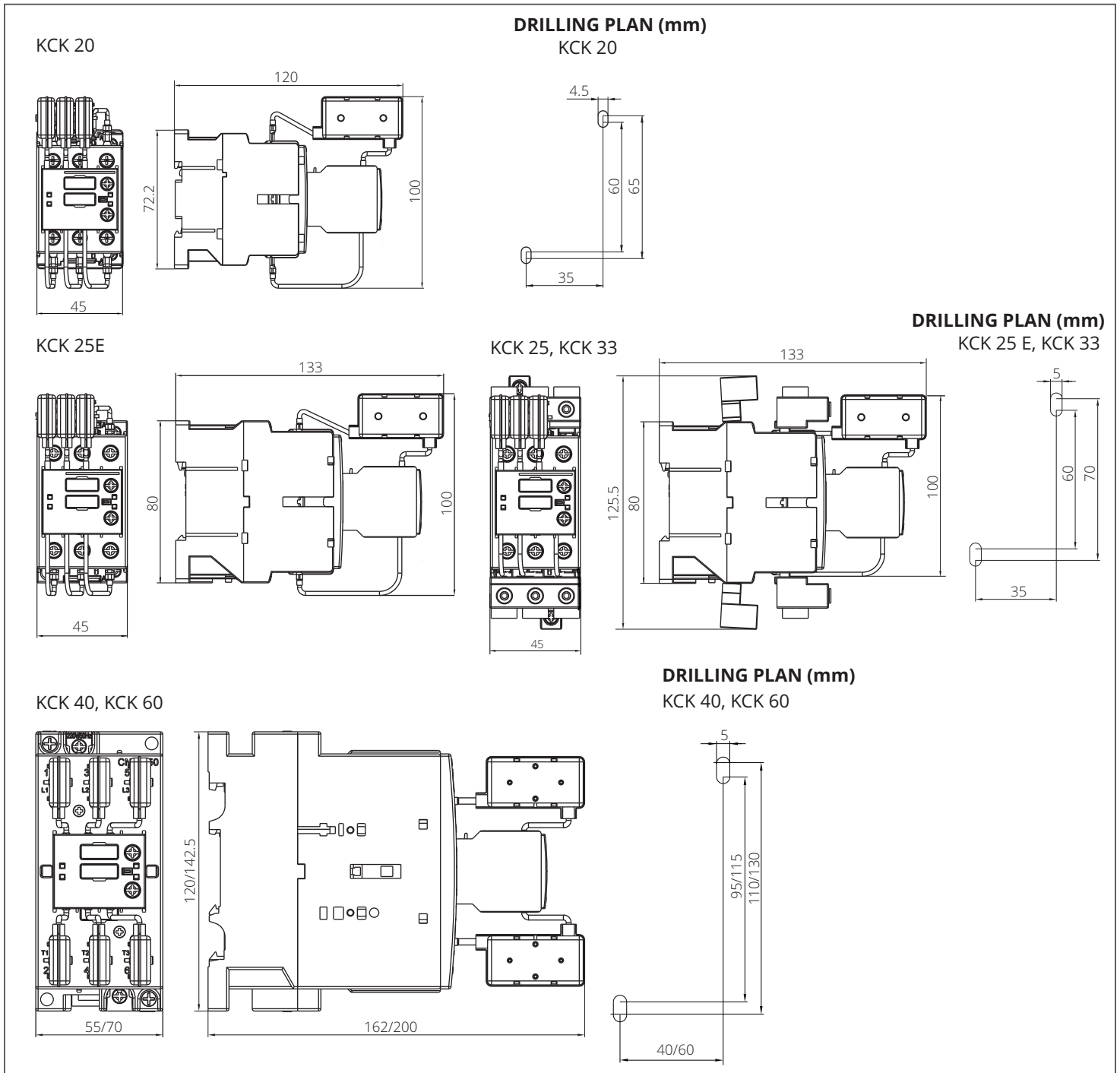


Precharging resistors with special type of contacts has the purpose of connecting for a very brief interval, up to 5 ms, during the contactor closing, resistors limit the connecting current of the capacitors.

CAPACITOR DUTY CONTACTORS

KCK 20, KCK 25, KCK 25E, KCK 33, KCK 40, KCK 50, KCK 60

DIMENSIONS



ORDERING DATA

THE TYPE DESIGNATION AND CONTROL VOLTAGE ARE STATED WHEN ORDERING THE CONTACTORS.

KCK	30	1	0	230 V	50/60 Hz	
						FREQUENCY (Hz)
						CONTROL VOLTAGE (V)
						NUMBER OF NC AUXILIARY CONTACTS
						NUMBER OF NO AUXILIARY CONTACTS
						kVar in (AC-8b, 400 V/50 Hz)
						TYPE