KO
Auxiliary contactors

Auxiliary contactors from Iskra have high mechanical endurance, high contact reliability and provide fast and easy fixation. They are designed for switching currents by being an additional motor starter.

Auxiliary contactors will help you cut administration costs and save energy.

Benefits

- Fast and simple fixation on standard 35 mm according to EN 60 715
- Uniform marking and arrangement of connection terminals according to EN 50 011
- High mechanical endurance
- High contact reliability

Features

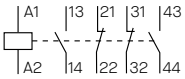
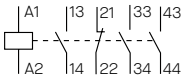
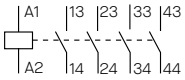
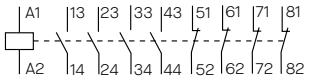
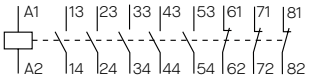
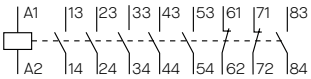
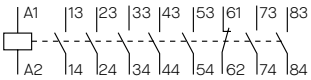
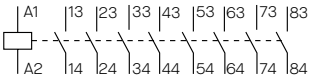
- Contactors are used for switching electric motors and other resistive, inductive and capacitive loads
- Contactors width: 43 mm
- Versions: 4- and 8-pole

KO series characteristics

Technical data	Symbol	Unit	KO-22E, KO-22EG, KO-31E, KO-31EG, KO-40E			KO-44E, KO-44EG, KO-53E, KO-53EG, KO-62E, KO-62EG, KO-71E, KO-71EG, KO-80E				
General										
Standards			VDE 0660							
Temperature range of application:										
open		°C	-25 ... +55							
enclosed		°C	-25 ... +40							
Rated insulation voltage	U_i	V	500							
Rated thermal current	I_{th}	A								
AC11 Rated operating currents:										
220V	I_e	A	6							
380 V	I_e	A	6							
500 V	I_e	A	4							
DC11 Rated operating currents:	T	ms	15			50			200	
24 V	I_e	A	14			4			3	
60 V	I_e	A	4			1			0.4	
110 V	I_e	A	1.5			0.3			0.15	
220 V	I_e	A	0.3			0.1			0.05	
Connection leads:										
solid	S	mm^2	1 ... 2.5							
multi-stranded	S	mm^2	0.75 ... 2.5							
Short-circuit protection – Max. fuse current in operation class aM according to IEC 269	I_u	A	20							
Magnetic system										
Range of control voltages	U_c	V ~	6 ... 500							
	U_c	V =	6 ... 220							
Operating range	U_c	%	80 ... 110							
Coil Consumption:										
AC switch-on	P_c	VA	35							
AC operation	P_c	VA	7							
DC switch-on	P_c	W	38							
DC operation	P_c	W	6							
Type and No. of free contacts [1]										
designation No.			22	31	40	44	53	62	71	80
break contact			2	1	0	4	3	2	1	0
make contact			2	3	4	4	5	6	7	8

1) The number of free break contacts is one less from the number given in the table, for versions with DC control voltage

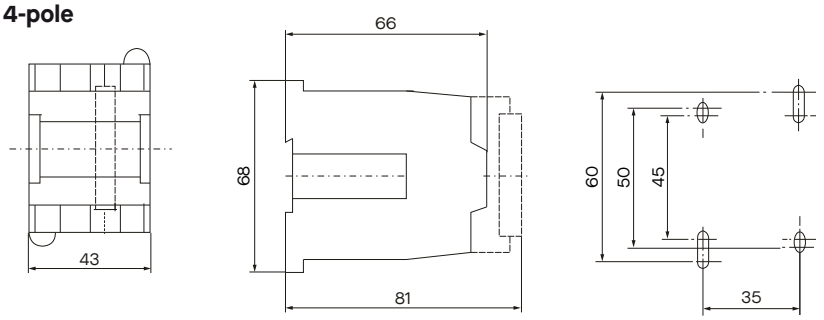
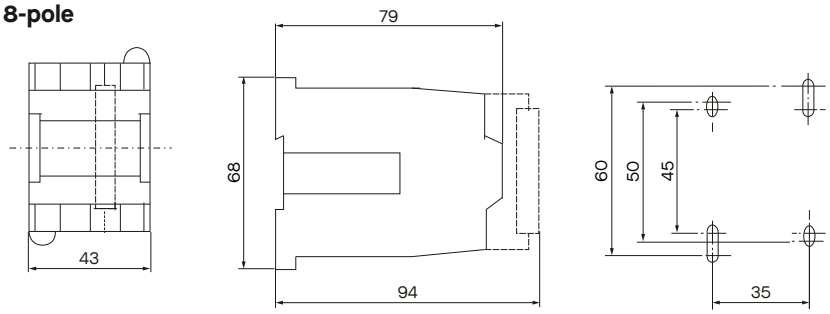
KO series characteristics

Type	Control Voltage at 50/60 Hz	Wiring diagram	Ordering No.	Weight (g)	Packaging (pcs)
4-pole, 43 mm widths					
KO-22E/24I	24 V		030.004.382	230	10
KO-22E/220/230V50Hz	220 / 230 V		030.005.039	230	10
KO-31E/24I	24 V		030.004.342	230	10
KO-31E/220/230V50Hz	220 / 230 V		030.005.040	230	10
KO-40E/24I	24 V		030.004.302	230	10
KO-40E/220/230V50Hz	220 / 230 V		030.005.041	230	10
8-pole, 43 mm widths					
KO-44E/24I	24 V		030.004.622	272	10
KO-44E/220/230V50Hz	220 / 230 V		030.005.042	272	10
KO-53E/24I	24 V		030.004.582	272	10
KO-53E/220/230V50Hz	220 / 230 V		030.005.043	272	10
KO-62E/24I	24 V		030.004.542	272	10
KO-62E/220/230V50Hz	220 / 230 V		030.005.044	272	10
KO-71E/24I	24 V		030.004.502	272	10
KO-71E/220/230V50Hz	220 / 230 V		030.005.045	272	10
KO-80E/24I	24 V		030.004.462	272	10
KO-80E/220/230V50Hz	220 / 230 V		030.005.046	272	10

Dimensions

(mm)

4-pole



8-pole