



EKF



TECHNICAL MANUAL

Mini contactors MKE EKF

1 DESCRIPTION

Mini contactors MKE EKF are switching devices used in 50/60 Hz circuits with voltage of up to 690 V AC. Mini contactors MKE EKF comply with IEC 60947-4-1.

2 TECHNICAL DATA

The main technical data are listed in Table 1.

Table 1

Characteristics	MKE 6A	MKE 9A	MKE 12A	MKE 16A
Rated operating voltage U_e , V AC	220/230/240; 380/400/415; 690			
Rated insulation voltage U_i , V	690			
Rated impulse withstand voltage U_{imp} , kV	6			
Conventional free air thermal current I_{th} , A	10 at $\leq 50^\circ\text{C}$ (control circuit) 20 at $\leq 50^\circ\text{C}$ (main circuit)			
Insulation resistance, MOhm	> 10			
Rated voltage of control coil, V	24, 230, 400			
Number and type of auxiliary contacts	1NO			
Utilization category	AC-3			
Mechanical endurance, mln. cycles	10			
Electrical endurance, mln. cycles	1,3			

Rated operating current I_e , AC-3, A		6	9	12	16
Rated power (AC-3), kW	220-240 V	1,5	2,2	3	4
	380-415 V	2,2	4	5,5	7,5
	690 V	3	4	4	4
Max. short-term load ($t \leq 0,5$ s), A		60	90	120	160
Overcurrent protection - gG fuze, A		8	10	20	20
Degree of protection as per IEC 60529		IP20			
Operating temperature, °C		from -25 to + 50			
Operating position		Vertical			
Installation		to 35 mm DIN rail			

3 OVERALL DIMENSIONS

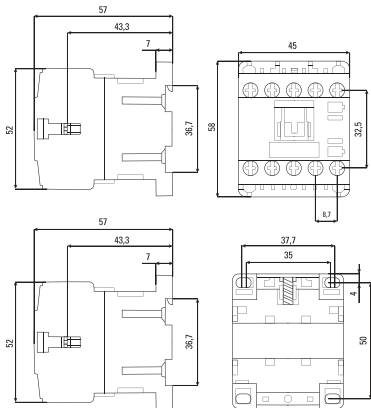


Figure 1. Overall dimensions of the MKE EKF

4 INSTALLATION AND OPERATION

Contactors must be mounted and connected by qualified electrical personnel.

WARNING! Make sure the power is off before installation, connection and setting! Contactors conform to IEC 61140 Class 0 for protection against electrical shock. For contactors operation and maintenance, follow national safety rules for operation of electrical Installations. Under normal operating conditions, visually inspect the contactors every 6 months.

5 DELIVERY SCOPE

Connectors are supplied in an individual package. For all available documentation, scan the QR-code on the insert or on the inside of the package.

6 SAFETY REQUIREMENTS

Contactors must be repaired and serviced by qualified electrical personnel only.

WARNING! Make sure the power is off before installation, connection and setting! Do not operate the devices with visible mechanical damage.

7 STORAGE AND TRANSPORTATION

Contactors can be transported by any means of enclosed transport that protects the packaged products from mechanical impacts and weather exposure. Contactors shall be stored indoors in their original packaging at the ambient temperatures from -45°C to +50°C and relative humidity of max. 98% at +25°C.

8 DISPOSAL

Life-expired and failed contactors shall be disposed of in compliance with the effective national and local laws and regulations. To dispose of the product, send it to an authorized company for recycling in compliance with the effective national and local laws and regulations.

9 MANUFACTURER'S WARRANTY

Warranty period: 7 years from the date of sale specified in the sales receipt.

Shelf life: 7 years from the date of manufacture specified on the product packaging or housing.

Service life: 10 years.

Manufacturer: OOO Electroresheniya,
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MEA regional headquarters: EKF ELECTRICAL
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**Importer and EKF trademark service
representative in the territory of the**

Republic of Kazakhstan: TOO «Energoresheniya
Kazakhstan», Kazakhstan, Almaty, Bostandyk
district, Turgut Ozal st., 247, apt 4.

10 CERTIFICATE OF ACCEPTANCE

Mini contactors EKF comply with IEC 60947-4-1
and have been approved for operation.

Date of manufacture:
for information, refer to the product package.

Quality control stamp

EHL



v3

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