



### **IEK CONTACTOR KMI-48012 80A 110V/AC3 1NO;1NC**

KMI AC contactors of general industrial purpose are designed for load currents from 9 to 95 A (AC-3). Intended for actuating, shutting down and reversing of asynchronous motors equipped with a short-circuited rotor for the applied voltage limited to 660V, remote control of lighting (AC-5a, AC-5b), heating circuits and various low-inductance loads (AC-1), switching three-phase capacitor batteries (AC-6b) and primary windings of three-phase low-voltage transformers (AC-6a). All unit types per load currents limited to 40 A have a single group of auxiliary NO or NC contacts. Types per load currents exceeding 40 A have two contact groups (NO and NC). KMI AC contactors 9-95 A application includes fan, pump, thermal curtain, furnace, overhead-track hoist, unit, lighting and automated load transfer systems control. Broadened range of KMI compact contactors as compared to the similar products from domestic manufacturers on Russian market.

Wide range of optional devices readily available in the stock (PKI contact attachments, PVI time-delay attachments, RTI thermal relays).

Installation on 35 mm DIN rail is possible (other domestic manufacturers offer this fixing only as optional feature).

Reverse version can be obtained using the interlocking mechanism. Rated control supply voltage  $U_s$  at AC 50HZ: 110

Rated control supply voltage  $U_s$  at DC: -

Rated operation current  $I_e$ , 400 V: 80

Connection type auxiliary circuit: EV000415

Number of auxiliary contacts as normally closed contact: 1

Number of auxiliary contacts as normally open contact: 1

Nominal operating AC voltage  $U_e$ : 230; 400; 660

Rated insulation voltage  $U_i$ : 660

Rated surge voltage: 6

Conditional heat current  $I_{th}$  at AC-1: 125

Nominal power at AC-3 230V: 22.0

Nominal power at AC-3 400V: 37.0

Nominal power at AC-3 660V: 45.0  
Max short-term load: 1440  
Conventional Short Circuit Current Inc: 5000  
Overcurrent Protection - Fuse gG: 100  
Dissipation power at Ie AC-3: 5,1  
Dissipation power at Ie AC-1: 12,5  
Tightening moment: 4  
Control voltage ranges at actuation Uc: 0,8...1,1  
Flexible cable without tip: 16...35  
Control voltage ranges at release Uc: 0,3...0,6  
Hard cable without tip: 25...50  
Closing Response Time: 20...35  
Response time at opening: 6...20  
Switching wear and tear during AC-1: 1,0  
Switching wear and tear during AC-3: 0,9  
Switching wear and tear during AC-4: 1,0  
Mechanical wear resistance: 5.0  
Number of additional contacts: 2  
Ambient temperature: -25...+50  
Width: 86.0  
Height: 128.0  
Weight: ? 1,59  
Additional terminal - Nominal voltage Un AC: ? 660  
Additional terminal - Nominal voltage Un DC: ? 440  
Additional terminal - Nominal insulation voltage Ui: 660  
Additional terminal - Thermal resistance current In: 10  
Additional terminal - Minimum On Umin Capability: 24  
Additional terminal - Minimum On Imin Capability: 10  
Additional terminal - Overcurrent protection - pre-ocher gG: 10  
Additional terminal - Max short-term load: 100  
Additional terminal - Insulation resistance: > 10  
Voltage type for actuating: EV000460  
Number of auxiliary contacts as normally closed contact, delayed switching: 0  
Number of auxiliary contacts as normally open contact, leading: 0  
Number of auxiliary contacts as change-over contact: 0  
Number of poles: 3  
Additional terminal - Section of connected conductors: 1...4  
Additional terminal - Tightening torque: 1.2  
Pret: 349,52 LEI (TVA inclus)

Detalii online: <https://www.materialelectrice.ro/contactator-kmi-48012-80a-110v-ac3-1no-1nc-311644>