



### IEK CONTACTOR KTI-5185 185A 400V/AC3

Electromagnetic contactors of KTI series are intended for use in control circuits for start and stoppage of 3-phase squirrel-cage induction motors supplied from mains with rated voltage up to 660 V, and also can be used for switching on/off other electrical units: lighting, heating devices, various inductive loads. Used with fans, pumps, furnaces, beam cranes and automatic load transfer systems. Simple design provides for easy maintenance of components.

The base is made from aluminum shape that ensures increased robustness and lesser weight compared with similar designs.

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

Broadened range of offered KTI electromagnetic contactors as compared to the similar products from domestic manufacturers on Russian market. Rated control supply voltage  $U_s$  at AC 50HZ: 400

Rated control supply voltage  $U_s$  at DC: -

Rated operation current  $I_e$ , 400 V: 185

Connection type auxiliary circuit: EV000415

Number of auxiliary contacts as normally closed contact: 0

Number of auxiliary contacts as normally open contact: 1

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

Rated insulation voltage  $U_i$ : 1000

Rated surge voltage: 8

Conditional heat current  $I_{th}$  at AC-1: 275

Nominal power at AC-3 230V: 55.0

Nominal power at AC-3 400V: 90.0

Nominal power at AC-3 660V: 110.0

Max short-term load: 1480

Conventional Short Circuit Current Inc: 10000

Overcurrent Protection - Fuse gG: 315

Dissipation power at  $I_e$  AC-3: 12

Dissipation power at Ie AC-1: 25  
Tightening moment: 18  
Double bus - each size: 25?3  
Screw diameter metrical: 8  
Control voltage ranges at actuation Uc: 0,8...1,1  
Control voltage ranges at release Uc: 0,35.....0,55  
Closing Response Time: 20...35  
Response time at opening: 7...15  
Switching wear and tear during AC-1: 0,5  
Switching wear and tear during AC-3: 0,8  
Section of wire with tip: 150  
Flexible cable 1 or 2 wires: 1...4  
Mechanical wear resistance: 1.0  
Flexible cable with 1 wire tip: 1...4  
Flexible cable with 2 wires tip: 1...1,25  
Hard cable without tilt 1 or 2 wires: 1...4  
Number of additional contacts: 1  
Ambient temperature: -45...+55  
Width: 168.5  
Height: 174.0  
Additional terminal - Nominal voltage Un AC: ? 660  
Additional terminal - Nominal insulation voltage Ui: 660  
Additional terminal - Thermal resistance current In: 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  
Repeated-short mode: 120  
Additional terminal - Tightening torque: 1.2  
Pret: 1.174,22 LEI (TVA inclus)

Detalii online: <https://www.materialelectrice.ro/contactator-kti-5185-185a-400v-ac3-311743>