



PRODUCT-DETAILS

EK1000-40-11 220-230V 50Hz / 240V 60Hz
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Contactor



General Information	
Extended Product Type	EK1000-40-11 220-230V 50Hz / 240V 60Hz
Product ID	SK827044-AL
EAN	7320500194249
Catalog Description	EK1000-40-11 220-230V 50Hz / 240V 60Hz Contactor
Long Description	A 4-pole Contactor suitable for Distribution and Rail way applications AC and DC switching. Operated with control voltage, versions from 24....690 AC, 50/60 Hz and 24 -220 V DC

Ordering	
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads	
Data Sheet, Technical Information	1SBC100214C0202
Instructions and	5309660-30

Manuals

Dimensions

Product Net Width	270 mm
Product Net Depth / Length	225.5 mm
Product Net Height	272 mm
Product Net Weight	15.8 kg

Technical

Number of Main Contacts NO	4
Number of Main Contacts NC	0
Number of Auxiliary Contacts NO	1
Number of Auxiliary Contacts NC	1
Number of Poles	4P
Rated Operational Voltage	Main Circuit 1000 V
Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-4-1, Open Contactors $\Theta = 40\text{ °C}$ 1000 A
Rated Operational Current AC-1 (I_e)	(1000 V) 40 °C 1000 A (1000 V) 60 °C 800 A (1000 V) 70 °C 720 A (690 V) 40 °C 1000 A (690 V) 55 °C 800 A (690 V) 60 °C 800 A (690 V) 70 °C 720 A
Rated Short-time Withstand Current Low Voltage (I_{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 6400 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 1200 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 3400 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 6800 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 4400 A
Rated Insulation Voltage (U_i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Maximum Electrical Switching Frequency	(AC-1) 300 cycles per hour
Mechanical Durability	5 million
Maximum Mechanical Switching Frequency	3600 cycles per hour
Coil Operating Limits	(acc. to IEC 60947-4-1) U_c (at $\Theta \leq 70\text{ °C}$)
Rated Control Circuit Voltage (U_c)	50 Hz 220 ... 230 V 60 Hz 240 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 125 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 140 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 3500 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 4000 V·A
Power Loss	at Rated Operating Conditions per Pole 80 W
Operate Time	Between Coil De-energization and NC Contact Closing 10 ... 20 ms Between Coil De-energization and NO Contact Opening 13 ... 23 ms Between Coil Energization and NC Contact Opening 25 ... 55 ms Between Coil Energization and NO Contact Closing 30 ... 60 ms
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20

Connecting Terminals (delivered in open position) Main Poles	Flat type c/w screws and bolts
Terminal Type	Main Circuit: Bars
Product Name	Block Contactor

Environmental

Ambient Air Temperature	Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 Uc) -25 ... 55 °C Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 Uc) -40 ... 70 °C Close to Contactor for Storage -50 ... 70 °C
Maximum Operating Altitude Permissible	Without Derating 3000 m

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS Information	2CMT2021-006277
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP	694def48-96d5-4aca-89fd-a8a123d3933e Bulgaria
Simplified SCIP	145323eb-bd73-43ef-81b8-205d1ebaef82 France 24d88e28-f4a8-4bc5-a7a9-ead58c8d1a96 Italy 305c0d58-8566-48ee-a6ba-0c941e651cc6 Germany 466d0735-bab0-45d6-ad2a-fc557fc319d6 Germany 4e32d6b5-77f8-408f-87b7-8ec28fdbd6ca Belgium 526b31e3-5d26-4dc2-a83a-679d792ec9b2 Hungary 64ac9452-7166-4bf1-9afc-a9fb7b6c1669 Poland 66f8630a-1896-412d-8bcc-74a9bb88a191 Sweden 6f92db1d-8a95-488a-8952-0d71ed61b10e France 7382e37d-5266-4163-b48c-cbcdd7f04baa Germany 749d8027-345c-4b81-b59e-707391325ed7 Portugal 78be4b69-8bd6-4640-bcf0-565d06ce51d3 Norway 7af8a190-5e7d-4b0a-bee6-e0bb60874cfb Czech Republic 82768028-9720-40ef-84b1-a25d4c7fca55 Estonia 9edfd9f6-cc31-4fe5-ba51-0cd6ce97eb25 Belgium adbbd031-a514-468e-a1a5-1c5463b3acdc Greece ae3f4ccb-3b59-48f8-a212-9897f160cac1 Finland b21d5bc0-5d89-455c-8a90-f597aab7aeeef Poland b68f392f-3bb0-42db-adc2-3df5a1c35e3a Denmark b8afcdf4-bd81-406b-9d9b-28889f48bdef Germany bb339e83-8b9a-4e31-9d6e-2d3c6569d65a Netherlands bffffc5d-eb39-40a4-b074-e6545c5938b2 Spain c0b4e06d-021a-41b0-9897-507abf387ccd Germany c372366e-2677-42db-ae48-4ab694cbd985 Hungary d5c026d3-c698-438d-8448-880fa5f7a510 Sweden e0ace2d2-361f-4403-8ba0-6fae745b265a Croatia ef5dfc72-ab2c-428b-addc-0b01079c92e1 Poland
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

CQC Certificate	CQC2003010304094983
Declaration of Conformity - CCC	2020980304001285
Declaration of Conformity - CE	2CMT2015-005442

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	317 mm
Package Level 1 Depth / Length	373 mm
Package Level 1 Height	234 mm
Package Level 1 Gross Weight	17.5 kg
Package Level 1 EAN	7320500194249

External Classifications and Standards	
Object Classification Code	Q
ETIM 7	EC000066 - Power contactor, AC switching
ETIM 8	EC000066 - Power contactor, AC switching
ETIM 9	EC000066 - Power contactor, AC switching
eClass	V11.0 : 27371003
UNSPSC	39121529
IDEA Granular Category Code (IGCC)	4755 >> Contactors

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → EH and EK Contactors → EK1000

