

PRODUCT-DETAILS

EK550-40-11 220-230V 50Hz / 240V 60Hz EK550-40-11 220-230V 50Hz / 240V 60Hz Contactor



General Information

Extended Product Type	EK550-40-11 220-230V 50Hz / 240V 60Hz
Product ID	SK827041-AL
EAN	7320500017937
Catalog Description	EK550-40-11 220-230V 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	1SBC100122C0202
Instructions and Manuals	5309660-30
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Product Net Width	270 mm
Product Net Depth / Length	225.5 mm
Product Net Height	272 mm
Product Net Weight	15.5 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
Rated Operational Voltage	Main Circuit 1000 V
Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-4-1, Open Contactors $\Theta = 40^\circ\text{C}$ 800 A
Rated Operational Current AC-1 (I_e)	(1000 V) 40 °C 800 A (1000 V) 60 °C 650 A (1000 V) 70 °C 575 A (690 V) 40 °C 800 A (690 V) 55 °C 650 A (690 V) 60 °C 650 A (690 V) 70 °C 575 A
Rated Operational Current AC-3 (I_e)	(440 V) 55 °C 550 A (500 V) 55 °C 550 A (690 V) 55 °C 550 A (1000 V) 55 °C 175 A (380 / 400 V) 55 °C 550 A (220 / 230 / 240 V) 55 °C 550 A
Rated Operational Power AC-3 (P_e)	(415 V) 315 kW (440 V) 315 kW (500 V) 400 kW (690 V) 500 kW (1000 V) 35 kW (380 / 400 V) 280 kW (220 / 230 / 240 V) 160 kW
Rated Breaking Capacity AC-3	8 x I_e AC-3
Rated Making Capacity AC-3	10 x I_e AC-3
Short-Circuit Protective Devices	gG Type Fuses 800 A
Rated Short-time Withstand Current Low Voltage (I_{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 5300 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 1000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 3000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 5500 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 3700 A
Maximum Electrical Switching Frequency	(AC-1) 300 cycles per hour (AC-2 / AC-4) 120 cycles per hour (AC-3) 300 cycles per hour
Rated Insulation Voltage (U_i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 V
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Mechanical Durability	5 million
Maximum Mechanical Switching Frequency	3600 cycles per hour

Coil Operating Limits	(acc. to IEC 60947-4-1) Uc (at $\theta \leq 70\text{ }^{\circ}\text{C}$)
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
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

Technical UL/CSA

General Use Rating UL/CSA	(600 V AC) 540 A
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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
SCIP	13a5d993-d506-42bc-a20e-24baaf948f54 Bulgaria (BG)
Simplified SCIP	e340e03a-2b8d-42d0-9c75-fe3dc96a4b3e France (FR) 33edb575-e307-4650-8a4b-83b35d760c8e Hungary (HU) a3babd2c-b525-4bb6-b1b7-73941d316276 Spain (ES) 9f9ff665-fe9e-416c-a3de-e5e933e2b37e France (FR) 51106cac-4636-4f8f-ad99-1597a1b24cfd Belgium (BE) 6097ffc8-3ac6-4142-8777-c6833fe205ab Poland (PL) 74717a57-a25f-4c6e-a7c6-cf18ef167654 Norway (NO) 74f29933-8350-4dea-b558-771e3d9635e2 Finland (FI) aecdacd9-8aa6-44bc-898c-a40646545feb Belgium (BE) 530f6781-f203-4693-8aaf-d0c79fbd5f57 Italy (IT) b150af41-4497-475f-96be-25f8dd8900a3 Germany (DE) 3aff9c75-1747-4c35-8ba5-0ef853c6d7f2 Denmark (DK) 624264f8-6b60-45a2-84bf-fbbb87aff5c Germany (DE) bce22d22-bcb2-4013-b4f4-47f3544f1b54 Croatia (HR) 83c7ee75-165b-490b-b21e-e87f14d9a6e3 Czech Republic (CZ) 54976c89-6f2f-4ca8-a282-5e59fdc021c1 Poland (PL) 19193229-b5ee-4ec8-9480-c19ec1214ab2 Netherlands (NL) 9efa2f9b-6f32-44e4-8177-81836c6e67b3 Hungary (HU) 023a32e2-c1ca-459d-8695-b2ea9c2f477b Estonia (EE) e8b4e809-160f-4287-a14f-d5b7b7f53a4c Greece (GR) d03814a1-612f-4e95-ad98-b26831f02ea1 Portugal (PT) 2733e6ee-596a-4fdb-a8fe-400d9d4512db Sweden (SE) 6259f55e-0935-4f84-a3b6-650a12f4d30c Poland (PL) 9ef4c7e7-a436-436a-a93d-7ad6731283cd Sweden (SE)

f656781d-f71a-444f-92ea-964731c992b3 Germany (DE) 6a4c0fa4-4605-4304-a87f-cc8c93535f9a Germany (DE)	
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

CQC Certificate	CQC2003010304094982
Declaration of Conformity - CCC	2020980304001264
Declaration of Conformity - CE	2CMT2015-005442
UL Certificate	20161201-E36588

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	281 mm
Package Level 1 Depth / Length	342 mm
Package Level 1 Height	224 mm
Package Level 1 Gross Weight	17.2 kg
Package Level 1 EAN	7320500017937

Classifications

Object Classification Code	Q
ETIM 4	EC000066 - Magnet contactor, AC-switching
ETIM 5	EC000066 - Magnet contactor, AC-switching
ETIM 6	EC000066 - Power contactor, AC switching
ETIM 7	EC000066 - Power contactor, AC switching
ETIM 8	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 → EK550

