



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

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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:	1SBC100214C0202 - Main catalog Motor protection and control Manual motor starters, contactors and overload relays (PDF) - Edition 2024
Instructions and Manuals:	Contactors EK 550...EK 1000

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
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 $\theta = 40\text{ }^{\circ}\text{C}$ 800 A
Rated Operational Current AC-1 (I _b):	(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 _b):	(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 _b):	(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 1.5 ... 1.8 In A
Rated Short-time Withstand Current Low Voltage (I _{cn}):	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
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
Maximum Electrical Switching Frequency:	(AC-1) 300 cycles per hour (AC-2 / AC-4) 120 cycles per hour (AC-3) 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 $\theta \leq 70\text{ }^{\circ}\text{C}$)
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
Power Loss:	at Rated Operating Conditions per Pole 60 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

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 U _c) -25 ... 55 °C Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 U _c) -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):	CMRT - Conflict Minerals Reporting Template
REACH Declaration:	REACH - Letter of Confirmation for block contactors, contactor relays, installation contactors, mini contactors, mini contactor relays, thermal overload relays, electronic overload relays and related accessories
RoHS Information:	RoHS II declaration for block contactors, installation contactors, mini contactors, mini contactor relays, thermal overload relays, electronic overload relays and related accessories
RoHS Status:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP:	13a5d993-d506-42bc-a20e-24baaf948f54 Bulgaria
Simplified SCIP:	2c2e7edc-e978-439f-80a9-d868375cfa02 Germany e340e03a-2b8d-42d0-9c75-fe3dc96a4b3e France 33edb575-e307-4650-8a4b-83b35d760c8e Hungary a3babd2c-b525-4bb6-b1b7-73941d316276 Spain 9f9ff665-fe9e-416c-a3de-e5e933e2b37e France 51106cac-4636-4f8f-ad99-1597a1b24cfd Belgium 6097ffc8-3ac6-4142-8777-c6833fe205ab Poland 74717a57-a25f-4c6e-a7c6-cf18ef167654 Norway 74f29933-8350-4dea-b558-771e3d9635e2 Finland aecdadcd9-8aa6-44bc-898c-a40646545feb Belgium v Show more
WEEE B2C / B2B:	Business To Business
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

CQC Certificate:	CQC Certificate, Contactor, EK550, Made in Bulgaria
Declaration of Conformity - CCC:	CCC Declaration of Conformity, Contactor, EK370, EK550, Made in Bulgaria
Declaration of Conformity - CE:	CE Declaration of Conformity - Contactor - EK550...EK1000
UL Certificate:	20161201-E36588

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:	17.2 kg
Package Level 1 EAN:	7320500017937

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