



PRODUCT-DETAILS

EK550-40-11 220-230V 50Hz / 230-255V 60Hz

60Hz

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Contactors



General Information	
Extended Product Type	EK550-40-11 220-230V 50Hz / 230-255V 60Hz
Product ID	SK827041-EM
EAN	7320500025598
Catalog Description	EK550-40-11 220-230V 50Hz / 230-255V 60Hz Contactors
Long Description	A 4-pole Contactors 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

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 Θ = 40 °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 1.5 ... 1.8 In 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
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 230 ... 255 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)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS Information	2CMT2021-006277
RoHS Status	No declaration needed
SCIP	9af6f364-941f-4102-8066-bf4332dedcd9 Bulgaria
Simplified SCIP	06d3b25d-0a8d-4589-8147-3b990057a737 Poland 07cbba76-c8e3-4702-84e9-39d47c0a0911 Hungary 0d999d25-03dd-4946-8ba2-2a39566156d5 France 1572ce6a-36dc-4779-bcc1-33f47a616247 Portugal 3540075d-f959-48ea-9dbe-ba9867c79497 Hungary 397a143d-3af8-49d0-90ba-37a2b514f943 Netherlands 5bed9c4a-1c47-4496-ab47-5f303ea7abc6 Norway 5f30542e-5578-4a9c-b7a7-e8382ba4a195 Croatia 649faf1a-1e5b-4125-b0f1-4703f747be5b Germany 6548ae09-1f9c-468d-a489-e37b57ff5fdd Germany 6782106e-2db2-4a2b-bda7-63d64ff4cf90 Denmark

6dc3bf6c-d959-45be-a351-cbc28d2ee6bd Sweden
7aeca6f8-5d5f-4793-b5da-ded7cd209d08 Poland
862d048a-be0b-4a21-abe7-1f407553611c Czech Republic
94195487-2e13-49b9-8d64-a75ee2813de8 Finland
965f0938-d638-456e-b652-c61924b800b9 Greece
9cbb9dff-0701-4f29-96c4-5c947ed16470 Italy
a4ed578d-50a3-40af-912e-a31599a111ce Germany
b2a2e445-0f5a-453a-b35e-6c849c9141bc Sweden
c1854d3a-f6aa-4cbd-81b5-f974b5c08d03 France
c2098a5b-f369-4061-9b9c-aa5c910b1552 Belgium
cb298eb2-1117-405c-a1e3-e9a9068b2ec3 Germany
e80f9d69-0a8d-4214-b985-bba0df042fe5 Estonia
f1940caf-1ba5-485d-8e70-260e19292b38 Poland
f6e7c76a-626e-4dd8-a391-40a5c6e62038 Belgium
fb47901e-6aec-43c6-a11e-dde6fc8dc685 Spain
ff943650-37d9-4868-a654-ae18424b5b73 Germany

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	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	7320500025598

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 → EK550

