



**Automatización Eléctrica**

Especialistas en Automatización

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## General Information

Extended Product Type:	EK370-40-11 500V 50Hz
Product ID:	SK827040-AU
EAN:	7320500008140
Catalog Description:	EK370-40-11 500V 50Hz 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

## Categories

Products » Low Voltage Products and Systems » Control Products » Contactors » Block Contactors

## Ordering

EAN:	7320500008140
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

## Dimensions

Product Net Width:	300 mm
Product Net Depth:	270 mm
Product Net Height:	225 mm
Product Net Weight:	17.5 kg

## Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	355 mm
Package Level 1 Length:	340 mm
Package Level 1 Height:	240 mm
Package Level 1 Gross Weight:	19.2 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:	2
Rated Operational Voltage:	Main Circuit 1000 V
Conventional Free-air Thermal Current ( $I_{th}$ ):	acc. to IEC 60947-4-1, Open Contactors q = 40 °C 550 A
Rated Operational Current AC-1 ( $I_e$ ):	(690 V) 55 °C 470 A (690 V) 40 °C 550 A (690 V) 70 °C 400 A
Rated Operational Current AC-3 ( $I_e$ ):	(1000 V) 55 °C 155 A (690 V) 55 °C 370 A (220 / 230 / 240 V) 55 °C 400 A (440 V) 55 °C 400 A (440 V) 55 °C Q55C415V:370 A (380 / 400 V) 55 °C 400 A (500 V) 55 °C 370 A
Rated Operational Power AC-3 ( $P_e$ ):	(500 V) 250 kW (1000 V) 220 kW (220 / 230 / 240 V) 110 kW (690 V) 355 kW (380 / 400 V) 200 kW (440 V) 220 kW (415 V) 220 kW
Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1:	8 x $I_e$ AC-3
Rated Making Capacity AC-3 acc. to IEC 60947-4-1:	10 x $I_e$ AC-3
Short-Circuit Protective Devices:	gG Type Fuses 630 A
Rated Short-time Withstand Current ( $I_{cw}$ ):	at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 3700 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 10 s 5300 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 1 min 3000 A
Maximum Electrical Switching Frequency:	AC-3 300 cycles per hour AC-1 300 cycles per hour

	AC-2 / AC-4 120 cycles per hour
<b>Rated Insulation Voltage (U<sub>i</sub>):</b>	acc. to UL/CSA 600 V acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V
<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	8 kV
<b>Mechanical Durability:</b>	5 million
<b>Maximum Mechanical Switching Frequency:</b>	3600 cycles per hour
<b>Coil Operating Limits:</b>	(acc. to IEC 60947-4-1) U <sub>c</sub> (at $\theta \leq 70\text{ °C}$ ) °C
<b>Rated Control Circuit Voltage (U<sub>c</sub>):</b>	50 Hz 500 V
<b>Coil Consumption:</b>	Pull-in at Max. Rated Control Circuit Voltage 60 Hz 4000 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 140 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 3500 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 125 V·A
<b>Operate Time:</b>	Between Coil Energization and NO Contact Closing 30...60 ms Between Coil De-energization and NO Contact Opening 13...23 ms Between Coil De-energization and NC Contact Closing 10...20 ms Between Coil Energization and NC Contact Opening 25...55 ms
<b>Degree of Protection:</b>	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
<b>Connecting terminals (delivered in open position) Main poles:</b>	Flat type c/w screws and bolts
<b>Terminal Type:</b>	Screw Terminals

## Environmental

<b>Ambient Air Temperature:</b>	Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 U <sub>c</sub> ) -25...+55 °C Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 U <sub>c</sub> ) -40...+70 °C Close to Contactor for Storage -50...+70 °C
<b>Maximum Operating Altitude Permissible:</b>	3000 m
<b>RoHS Status:</b>	Following EU Directive 2002/95/EC August 18, 2005 and amendment

## Technical UL/CSA

<b>General Use Rating UL/CSA:</b>	(600 V AC) 420 A
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## Certificates and Declarations (Document Number)

<b>Declaration of Conformity - CE:</b>	1SFA1-27
<b>RoHS Information:</b>	1SFC101035D0202

## Classifications

<b>ETIM 5:</b>	EC000066 - Magnet contactor, AC-switching
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Product	Code	Reference	Product link
EK370-40-11 500V 50Hz Contactor	SK827040-AU	EK370-40-11	<a href="#">Buy on EAN</a>