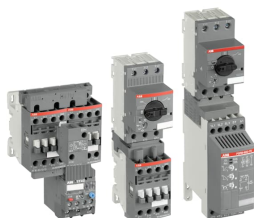


PRODUCT-DETAILS

# EK1000-40-11 230-240V 50Hz

## EK1000-40-11 230-240V 50Hz Contactor



### General Information

|                       |   |
|-----------------------|---|
| Extended Product Type | EK1000-40-11 230-240V 50Hz  |
| Product ID            | SK827044-AM   |
| EAN                   | 7320500194256   |
| Catalog Description   | EK1000-40-11 230-240V 50Hz Contactor  |
| Long Description      | A 4-pole Contactor suitable for Distribution and Rail way applications AC and DC switching.<br>Operated with control voltage, versions from 24...690 AC, 50/60 Hz and 24-220 V DC |

### 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  |
| IDEA Granular Category Code (IGCC) | 4755 >> Contactors                        |

### 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   | 17.5 kg       |
| Package Level 1 EAN            | 7320500194256 |

## Certificates and Declarations (Document Number)

|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 2CMT2015-005442 |
| Environmental Information      | 1SFC101013D0201 |
| Instructions and Manuals       | 5309660-30      |
| RoHS Information               | 2CMT2016-005860 |

## Environmental

|  |   |
|--|---|
| Ambient Air Temperature                | Close to Contactor for Storage -50 ... +70 °C<br>Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 Uc) -25 ... +55 °C<br>Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 Uc) -40 ... +70 °C |
| Maximum Operating Altitude Permissible | 3000 m  |
| RoHS Status                            | Following EU Directive 2011/65/EU   |

## 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 q = 40 °C 1000 A   |
| Rated Operational Current AC-1 ( $I_e$ )           | (690 V) 40 °C 1000 A<br>(690 V) 55 °C 800 A<br>(690 V) 70 °C 720 A  |
| Rated Short-time Withstand Current ( $I_{cw}$ )    | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 6400 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 1200 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 3400 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 6800 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 4400 A |
| Maximum Electrical Switching Frequency             | AC-1 300 cycles per hour  |
| Rated Insulation Voltage ( $U_i$ )                 | acc. to UL/CSA 600 V<br>acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 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) $U_c$ (at $\theta \leq 70^\circ\text{C}$ )   |
| Rated Control Circuit Voltage ( $U_c$ )                      | 50 Hz 230 ... 240 V  |
| Coil Consumption   | Holding at Max. Rated Control Circuit Voltage 50 Hz 140 V·A<br>Holding at Max. Rated Control Circuit Voltage 60 Hz 125 V·A<br>Pull-in at Max. Rated Control Circuit Voltage 50 Hz 3500 V·A<br>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<br>Between Coil De-energization and NO Contact Opening 13 ... 23 ms<br>Between Coil Energization and NC Contact Opening 25 ... 55 ms<br>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   |

## Dimensions

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

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SBC100122C0202 |
| Instructions and Manuals          | 5309660-30      |

## Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85364900 |

## Categories

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

