Automatización Eléctrica
Especialistas en Automatización

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# AF265-40-11-14

## General Information

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|---|---|
| **Extended Product Type:** | AF265-40-11-14 |
| **Product ID:** | 1SFL547102R1411 |
| **EAN:** | 7320500505090 |
| **Catalog Description:** | AF265-40-11-14 Contactor |
| **Long Description:** | A 3-phase Contactor suitable for various applications such as Motor starting, Isolation, By-pass and Distribution application up to max 1000 V. Operated with wide control voltage range 250-500 V, 50/60 Hz and DC |

## Categories

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

## Ordering

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| **EAN:** | 7320500505090 |
| **Minimum Order Quantity:** | 1 piece |
| **Customs Tariff Number:** | 85364900 |

## Dimensions

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| **Product Net Width:** | 184,4 mm |
| **Product Net Depth:** | 180 mm |
| **Product Net Height:** | 225,4 mm |
| **Product Net Weight:** | 5.55 kg |

## Container Information

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| **Package Level 1 Units:** | 1 piece |
| **Package Level 1 Gross Weight:** | 6.38 kg |

## Technical

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| **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 |
| **Rated Frequency (f):** | Main Circuit 60 Hz |
| **Conventional Free-air Thermal Current ($I_{th}$):** | acc. to IEC 60947-4-1, Open Contactors q = 40 °C 400 A |
| **Rated Operational Current AC-1 ($I_e$):** | (690 V) 40 °C 400 A<br>(1000 V) 40 °C 350 A<br>(690 V) 70 °C 290 A<br>(690 V) 60 °C 350 A<br>(1000 V) 60 °C 300 A<br>(1000 V) 70 °C 240 A |
| **Rated Operational Current AC-3 ($I_e$):** | (220 / 230 / 240 V) 55 °C 265 A<br>(415 V) 55 °C 265 A<br>(440 V) 55 °C 265 A<br>(380 / 400 V) 55 °C 265 A |
| **Rated Operational Power AC-3 ($P_e$):** | (220 / 230 / 240 V) 75 kW<br>(380 / 400 V) 132 kW<br>(440 V) 160 kW<br>(415 V) 132 kW |
| **Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1:** | 8 x Ie AC-3 |
| **Rated Making Capacity AC-3 acc. to IEC 60947-4-1:** | 10 x Ie 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 1224 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 2120 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 400 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 2650 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 865 A |
| **Maximum Breaking Capacity:** | cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 440 V 3800 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** | Main Circuit 8 kV |

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| **($U_{imp}$):** | |
| **Mechanical Durability:** | 5 million |
| **Maximum Mechanical Switching Frequency:** | 300 cycles per hour |
| **Coil Operating Limits:** | (acc. to IEC 60947-4-1) 0.85 x Uc Min. ... 1.1 x Uc Max. (at θ ≤ 70 °C) °C |
| **Rated Control Circuit Voltage ($U_c$):** | 60 Hz 250…500 V<br>50 Hz 250...500 V<br>DC Operation 250…500 V |
| **Coil Consumption:** | Pull-in at Max. Rated Control Circuit Voltage 60 Hz 420 V·A<br>Holding at Max. Rated Control Circuit Voltage DC 4.7 W<br>Holding at Max. Rated Control Circuit Voltage 50 Hz 20.4 V·A<br>Pull-in at Max. Rated Control Circuit Voltage DC 600 W<br>Pull-in at Max. Rated Control Circuit Voltage 50 Hz 420 V·A<br>Holding at Max. Rated Control Circuit Voltage 60 Hz 20.4 V·A |
| **Operate Time:** | Between Coil Energization and NO Contact Closing 30…60 ms<br>Between Coil De-energization and NO Contact Opening 45…80 ms |
| **Connecting Capacity-Main Circuit:** | Rigid Al-Cable 1x185…240 mm²<br>Flexible 2x70…185 mm²<br>Rigid Cu-Cable 2x70…185 mm² |
| **Connecting Capacity-Auxiliary Circuit:** | Solid 2x1…4 mm²<br>Flexible with Insulated Ferrule 2x0.75…2.5 mm²<br>Stranded 2x1…4 mm²<br>Flexible 2x0.75…2.5 mm²<br>Flexible with Ferrule 2x0.75…2.5 mm² |
| **Degree of Protection:** | acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20<br>acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00 |
| **Terminal Type:** | Main Circuit: Bars |

## Environmental

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| **Ambient Air Temperature:** | Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 Uc) -25…+50 °C<br>Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 Uc) -40…+70 °C<br>Close to Contactor for Storage -40…+70 °C |
| **Maximum Operating Altitude Permissible:** | 3000 m |

## Technical UL/CSA

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| **Maximum Operating Voltage UL/CSA:** | Main Circuit 600 V |

## Classifications

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| **ETIM 5:** | EC000066 - Magnet contactor, AC-switching |

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|---|---|---|---|
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