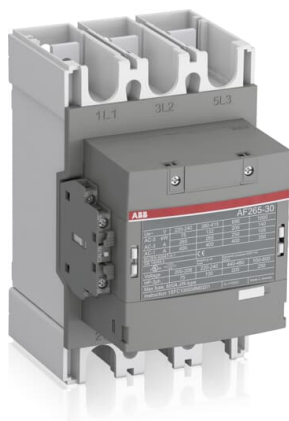


PRODUCT-DETAILS

AF265-30-11-11

AF265-30-11-11 Contactor



General Information

| | |
|-----------------------|--------------------------|
| Extended Product Type | AF265-30-11-11 |
| Product ID | 1SFL547002R1111 |
| EAN | 7320500481141 |
| Catalog Description | AF265-30-11-11 Contactor |

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| Long Description | <p>The AF265-30-11-11 is a 3 pole - 1000 V IEC or 600 V UL contactor with pre-mounted auxiliary contacts and Main Circuit Bars, controlling motors up to 132 kW / 400 V AC (AC-3) or 200 hp / 480 V UL and switching power circuits up to 400 A (AC-1) or 350 A UL general use. Thanks to the AF technology, the contactor has a wide control voltage range (24-60 V 50/60 Hz and 20-60 V DC), managing large control voltage variations, reducing panel energy consumptions and ensuring distinct operations in unstable networks. Furthermore, surge protection is built-in, offering a compact solution. AF contactors have a block type design, can be easily extended with add-on auxiliary contact blocks and an additional wide range of accessories.</p> |
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Ordering

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

Popular Downloads

| | |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SBC100192C0206 |
|-----------------------------------|-----------------|

| | |
|--------------------------|-----------------|
| Instructions and Manuals | 1SFC100008M0201 |
| Dimension Diagram | 1SFB535001G1060 |

Dimensions

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|-------------------------------|--------|
| Product Net Width | 140 mm |
| Product Net Depth / Length | 180 mm |
| Product Net Height | 225 mm |
| Product Net Weight | 3.9 kg |

Technical

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| Number of Main Contacts NO | 3 |
| 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 50 / 60 Hz |
| Conventional Free-air Thermal Current (I_{th}) | acc. to IEC 60947-4-1, Open Contactors $q = 40\text{ °C}$ 400 A |
| Rated Operational Current AC-1 (I_e) | (1000 V) 40 °C 350 A (1000 V) 55 °C 300 A (1000 V) 60 °C 300 A (1000 V) 70 °C 240 A (690 V) 40 °C 400 (690 V) 55 °C 350 (690 V) 70 °C 290 |
| Rated Operational Current AC-3 (I_e) | (415 V) 55 °C 265 A (440 V) 55 °C 265 A (500 V) 55 °C 250 A (690 V) 55 °C 250 A (1000 V) 55 °C 113 A (380 / 400 V) 55 °C 265 A (220 / 230 / 240 V) 55 °C 265 |
| Rated Operational Power AC-3 (P_e) | (415 V) 132 kW (440 V) 160 kW (500 V) 160 kW (690 V) 200 kW (1000 V) 160 kW (380 / 400 V) 132 kW (220 / 230 / 240 V) 75 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 500 A |
| Rated Short-time Withstand Current (I_{cw}) | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 2120 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 400 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 865 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 2650 A |

at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 1224 A

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| Maximum Breaking Capacity | cos phi=0.45 (cos phi=0.35 for I _e > 100 A) at 440 V 3800 A cos phi=0.45 (cos phi=0.35 for I _e > 100 A) at 690 V 3300 A |
| Maximum Electrical Switching Frequency | (AC-1) 300 cycles per hour (AC-2 / AC-4) 150 cycles per hour (AC-3) 300 cycles per hour |
| Rated Operational Current DC-1 (I _e) | (110 V) 2 Poles in Series, 40 °C 350 A (220 V) 3 Poles in Series, 40 °C 350 A |
| Rated Operational Current DC-3 (I _e) | (110 V) 2 Poles in Series, 40 °C 350 A (220 V) 3 Poles in Series, 40 °C 350 A |
| Rated Operational Current DC-5 (I _e) | (110 V) 2 Poles in Series, 40 °C 350 A (220 V) 3 Poles in Series, 40 °C 350 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}) | Main Circuit 8 kV |
| Mechanical Durability | 5 million |
| Maximum Mechanical Switching Frequency | 300 cycles per hour |
| Coil Operating Limits | (acc. to IEC 60947-4-1) 0.85 x U _c Min. ... 1.1 x U _c Max. (at θ ≤ 70 °C) |
| Rated Control Circuit Voltage (U _c) | 50 Hz 24 ... 60 V 60 Hz 24 ... 60 V DC Operation 20 ... 60 V |
| Coil Consumption | Holding at Max. Rated Control Circuit Voltage 50 Hz 8.5 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 8.5 V·A Holding at Max. Rated Control Circuit Voltage DC 3 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 475 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 475 V·A Pull-in at Max. Rated Control Circuit Voltage DC 400 W |
| Operate Time | Between Coil De-energization and NO Contact Opening 37 ... 47 ms Between Coil Energization and NO Contact Closing 25 ... 55 ms |
| Connecting Capacity Main Circuit | Flexible 2 x 70 ... 185 mm ² Rigid Al-Cable 1 x 185 ... 240 mm ² Rigid Cu-Cable 2 x 70 ... 185 mm ² |
| Connecting Capacity Auxiliary Circuit | Flexible with Ferrule 2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 2.5 mm ² Flexible 2x0.75 ... 2.5 mm ² Solid 2 x 1 ... 4 mm ² Stranded 1 x 1 ... 4 mm ² |
| Degree of Protection | acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00 |
| Terminal Type | Main Circuit: Bars |

Technical UL/CSA

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|----------------------------------|---|
| Maximum Operating Voltage UL/CSA | Main Circuit 1000 V |
| General Use Rating UL/CSA | (600 V AC) 350 A |
| Horsepower Rating UL/CSA | (200 V AC) Three Phase 75 hp (208 V AC) Three Phase 75 hp (220 ... 240 V AC) Three Phase 100 hp (440 ... 480 V AC) Three Phase 200 hp (550 ... 600 V AC) Three Phase 250 hp |

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 |
| | Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 Uc) -40 ... +70 °C |
| | Close to Contactor for Storage -40 ... +70 °C |
| Maximum Operating Altitude Permissible | 3000 m |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |

Certificates and Declarations (Document Number)

| | |
|---------------------------------|--|
| ABS Certificate | 14-LD1092198-PDA |
| BV Certificate | BV_36353_A0BV |
| CB Certificate | SE-89316 |
| CCS Certificate | GB14T00030 |
| CQC Certificate | CQC2014010304676670 CQC2014010304673866 |
| cUL Certificate | 20121217-E36588 |
| Declaration of Conformity - CCC | 2020980304001305 2020980304001068 |
| Declaration of Conformity - CE | 2CMT2015-005439 |
| DNV Certificate | DNV_E-14043 |
| DNV GL Certificate | DNV_E-14043 |
| EAC Certificate | 9AKK107046A8618 |
| Environmental Information | 2CMT004732 1SAC200043H0005 |
| GL Certificate | GL_95073-14HH |
| Instructions and Manuals | 1SFC100008M0201 |
| LR Certificate | LR_14_70011(E1) |
| PRS Certificate | TE_2092_880423_16 |
| RINA Certificate | ELE060313XG_002 |
| RMRS Certificate | 9AKK107045A6978 |
| RoHS Information | 2CMT2015-005439 |
| UL Listing Card | UL_E36588 |

Container Information

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|--------------------------------|---------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 263 mm |
| Package Level 1 Depth / Length | 203 mm |
| Package Level 1 Height | 289 mm |
| Package Level 1 Gross Weight | 4.6 kg |
| Package Level 1 EAN | 7320500481141 |

Classifications

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| Object Classification Code | Q |
| ETIM 4 | EC000066 - Magnet contactor, AC-switching |

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|------------------------------------|---|
| ETIM 5 | EC000066 - Magnet contactor, AC-switching |
| ETIM 6 | EC000066 - Power contactor, AC switching |
| ETIM 7 | EC000066 - Power contactor, AC switching |
| eClass | V11.0 : 27371003 |
| UNSPSC | 39121529 |
| IDEA Granular Category Code (IGCC) | 4755 >> Contactors |
| E-Number (Finland) | 3706468 |
| E-Number (Norway) | 4117647 |
| E-Number (Sweden) | 3210153 |

Categories

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

