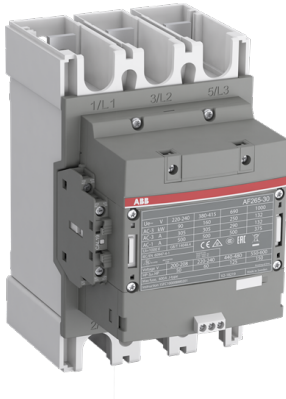




PRODUCT-DETAILS

# AF265-30-11-34

## AF265-30-11-34 Contactor



| General Information   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | AF265-30-11-34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Product ID            | 1SFL547002R3411                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| EAN                   | 7320500504680                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Catalog Description   | AF265-30-11-34 Contactor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Long Description      | The AF265-30-11-34 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 (250-500 V 50/60 Hz and 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. |

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

| Popular Downloads                 |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SBC100192C02   |
| Instructions and Manuals          | 1SFC100008M0201 |
| CAD Dimensional Drawing           | 2CDC001079B0201 |

| Dimensions                 |          |
|----------------------------|----------|
| Product Net Width          | 140 mm   |
| Product Net Depth / Length | 195.5 mm |
| Product Net Height         | 225 mm   |
| Product Net Weight         | 3.9 kg   |

| Technical                                                         |                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 60 Hz                                                                                                                                                                                                                                                               |
| Conventional Free-air Thermal Current (I <sub>th</sub> )          | acc. to IEC 60947-4-1, Open Contactors $\Theta$ = 40 °C 400 A                                                                                                                                                                                                                    |
| Rated Operational Current AC-1 (I <sub>e</sub> )                  | (1000 V) 40 °C 350 A<br>(1000 V) 60 °C 300 A<br>(1000 V) 70 °C 240 A<br>(690 V) 40 °C 400 A<br>(690 V) 70 °C 290 A                                                                                                                                                               |
| Rated Operational Current AC-3 (I <sub>e</sub> )                  | (415 V) 55 °C 265 A<br>(440 V) 55 °C 265 A<br>(500 V) 55 °C 250 A<br>(690 V) 55 °C 250 A<br>(1000 V) 55 °C 113 A<br>(380 / 400 V) 55 °C 265 A<br>(220 / 230 / 240 V) 55 °C 265 A                                                                                                 |
| Rated Operational Power AC-3 (P <sub>e</sub> )                    | (415 V) 132 kW<br>(440 V) 160 kW<br>(500 V) 160 kW<br>(690 V) 200 kW<br>(1000 V) 160 kW<br>(380 / 400 V) 132 kW<br>(220 / 230 / 240 V) 75 kW                                                                                                                                     |
| Rated Breaking Capacity AC-3                                      | 8 x I <sub>e</sub> AC-3                                                                                                                                                                                                                                                          |
| Rated Making Capacity AC-3                                        | 10 x I <sub>e</sub> AC-3                                                                                                                                                                                                                                                         |
| Short-Circuit Protective Devices                                  | gG Type Fuses 500 A                                                                                                                                                                                                                                                              |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ) | 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 min 865 A<br>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 |                                                                                                                                                                                                                                                                                                                      |
| Maximum Electrical Switching Frequency                            | (AC-1) 300 cycles per hour<br>(AC-2 / AC-4) 150 cycles per hour<br>(AC-3) 300 cycles per hour                                                                                                                                                                                                                        |
| Rated Insulation Voltage (U <sub>i</sub> )                        | acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V<br>acc. to UL/CSA 600 V                                                                                                                                                                                                                                            |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )               | 8 kV                                                                                                                                                                                                                                                                                                                 |
| Mechanical Durability                                             | 5 million                                                                                                                                                                                                                                                                                                            |
| Maximum Mechanical Switching Frequency                            | 300 cycles per hour                                                                                                                                                                                                                                                                                                  |
| Coil Operating Limits                                             | (acc. to IEC 60947-4-1) U <sub>c</sub> (at θ ≤ 70 °C)                                                                                                                                                                                                                                                                |
| Rated Control Circuit Voltage (U <sub>c</sub> )                   | 50 Hz 250 ... 500 V<br>60 Hz 250 ... 500 V<br>DC Operation 250 ... 500 V                                                                                                                                                                                                                                             |
| Coil Consumption                                                  | Holding at Max. Rated Control Circuit Voltage 50 Hz 20.4 V-A<br>Holding at Max. Rated Control Circuit Voltage 60 Hz 20.4 V-A<br>Pull-in at Max. Rated Control Circuit Voltage 50 Hz 550 V-A<br>Pull-in at Max. Rated Control Circuit Voltage 60 Hz 550 V-A<br>Pull-in at Max. Rated Control Circuit Voltage DC 650 W |
| Operate Time                                                      | Between Coil De-energization and NO Contact Opening 37 ... 47 ms<br>Between Coil Energization and NO Contact Closing 25 ... 55 ms                                                                                                                                                                                    |
| Degree of Protection                                              | acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP40                                                                                                                                                                                                                                                    |
| Terminal Type                                                     | Main Circuit: Bars                                                                                                                                                                                                                                                                                                   |

Technical UL/CSA

|                                  |                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NEMA Size                        | 5                                                                                                                                                                                                                                                                                                                                                         |
| Continuous Current Rating NEMA   | 270 A                                                                                                                                                                                                                                                                                                                                                     |
| Horsepower Rating NEMA           | (200 V AC) Three Phase 75 Hp<br>(230 V AC) Three Phase 100 Hp<br>(460 V AC) Three Phase 200 Hp<br>(575 V AC) Three Phase 200 Hp                                                                                                                                                                                                                           |
| Maximum Operating Voltage UL/CSA | Main Circuit 1000 V                                                                                                                                                                                                                                                                                                                                       |
| Horsepower Rating UL/CSA         | (200 ... 208 V AC) Three Phase 40 Hp<br>(200 V AC) Three Phase 75 hp<br>(208 V AC) Three Phase 75 hp<br>(220 ... 240 V AC) Three Phase 40 Hp<br>(220 ... 240 V AC) Three Phase 100 hp<br>(440 ... 480 V AC) Three Phase 100 Hp<br>(440 ... 480 V AC) Three Phase 200 hp<br>(550 ... 600 V AC) Three Phase 125 Hp<br>(550 ... 600 V AC) Three Phase 250 hp |

Environmental

|                                        |                                                                                                                                                                                                                                            |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient Air Temperature                | Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 U <sub>c</sub> ) -25 ... 55 °C<br>Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 U <sub>c</sub> ) -40 ... 70 °C<br>Close to Contactor for Storage -40 ... 70 °C |
| Maximum Operating Altitude Permissible | Without Derating 3000 m                                                                                                                                                                                                                    |

Material Compliance

|                                      |                 |
|--------------------------------------|-----------------|
| Conflict Minerals Reporting Template | 9AKK108467A5658 |
|--------------------------------------|-----------------|

(CMRT)

|                                        |                                                                        |
|----------------------------------------|------------------------------------------------------------------------|
| REACH Declaration                      | 2CMT2021-006202                                                        |
| RoHS Information                       | 2CMT2021-006277                                                        |
| RoHS Status                            | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Toxic Substances<br>Control Act - TSCA | 2CMT2023-006525                                                        |
| WEEE B2C / B2B                         | Business To Business                                                   |
| WEEE Category                          | 5. Small Equipment (No External Dimension More Than 50 cm)             |

Circular Value

|                                                     |                                                                                                                                          |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| ABB EcoSolutions                                    | Yes                                                                                                                                      |
| Circular Design<br>Principles Recyclability<br>Rate | Design for Closing Resource Loops - Standard EN45555 - 76.3 %                                                                            |
| End of Life Instructions                            | 1SFC100104D0201                                                                                                                          |
| Group Waste to Landfill<br>Target                   | Non-hazardous waste is sent to a landfill, where there is no alternative option available within 100km of a facility                     |
| Improved Resource<br>Efficiency for Customers       | Product Efficiency - Product considered more energy-efficient compared to similar product on market or older products from the same line |
| Sustainable Material<br>Content                     | Recycled Metal - 33 %                                                                                                                    |

Eco Transparency

|                                            |                 |
|--------------------------------------------|-----------------|
| Environmental Product<br>Declaration - EPD | 1SFC100104D0201 |
|--------------------------------------------|-----------------|

Certificates and Declarations

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| ABS Certificate                     | 14-LD1092198-PDA                           |
| BV Certificate                      | BV_36353_A0BV                              |
| CB Certificate                      | SE-89316                                   |
| CCS Certificate                     | GB14T00030                                 |
| CQC Certificate                     | CQC2014010304676670<br>CQC2014010304673866 |
| Declaration of<br>Conformity - CCC  | 2020980304001305<br>2020980304001068       |
| Declaration of<br>Conformity - CE   | 2CMT2015-005439                            |
| Declaration of<br>Conformity - UKCA | 2CMT2020-006118                            |
| DNV Certificate                     | DNV_E-14043                                |
| EAC Certificate                     | 9AKK107046A8618                            |
| GL Certificate                      | GL_95073-14HH                              |
| LR Certificate                      | LR_14_70011(E1)                            |
| PRS Certificate                     | TE_2092_880423_16                          |
| RINA Certificate                    | ELE060313XG_002                            |
| RMRS Certificate                    | 9AKK107045A6978                            |
| UL Certificate                      | 20121217-E36588                            |
| UL Listing Card                     | UL_E36588                                  |

Container Information

|                                |               |
|--------------------------------|---------------|
| 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            | 7320500504680 |

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  |
| ETIM 8                             | EC000066 - Power contactor, AC switching  |
| eClass                             | V11.0 : 27371003                          |
| UNSPSC                             | 39121529                                  |
| IDEA Granular Category Code (IGCC) | 4758 >> lec Contactors                    |
| E-Number (Finland)                 | 3707520                                   |
| E-Number (Sweden)                  | 3210540                                   |

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → AF Contactors → AF265

