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 PRODUCT-DETAILS

# AF265-30-11-34

## AF265-30-11-34 Contactor




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**General Information**

Extended Product Type	AF265-30-11-34
Product ID	1SFL547002R3411
EAN	7320500504680
Catalog Description	AF265-30-11-34 Contactor

Long Description	<p>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. Includes Mounting kit, containing all necessary screws, washers and sockets for connecting the terminals, and screws for mounting the device.</p>
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**Ordering**

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

## Popular Downloads

EPLAN Data	9AAC175202_EPLAN
Data Sheet, Technical Information	1SBC100214C0202
Data Sheet, Technical Information (Part 2)	1SAC200017M0002
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
Number of Poles	3P
Rated Operational Voltage	Main Circuit 1000 V
Rated Frequency (f)	Main Circuit 60 Hz Main Circuit 50 / 60 Hz
Conventional Free-air Thermal Current ( $I_{th}$ )	acc. to IEC 60947-4-1, Open Contactors $\Theta = 40\text{ °C}$ 400 A
Rated Operational Current AC-1 ( $I_e$ )	(1000 V) 40 °C 350 A (1000 V) 60 °C 300 A (1000 V) 70 °C 240 A (690 V) 40 °C 400 A (690 V) 70 °C 290 A
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 A
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	8 x $I_e$ AC-3
Rated Breaking Capacity AC-3e	8.5 x $I_e$ AC-3e
Rated Making Capacity AC-3	10 x $I_e$ AC-3
Rated Making Capacity AC-3e	12 x $I_e$ AC-3e
Short-Circuit Protective Devices	gG Type Fuses 500 A
Rated Short-time Withstand Current Low	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 400 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 1224 A

Voltage ( $I_{cw}$ )	at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 2650 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 2120 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 865 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 ( $U_{imp}$ )	8 kV Main Circuit 8 kV
Maximum Electrical Switching Frequency	(AC-1) 300 cycles per hour (AC-2 / AC-4) 150 cycles per hour (AC-3) 300 cycles per hour
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 $\theta \leq 70^\circ\text{C}$ )
Rated Control Circuit Voltage ( $U_c$ )	50 Hz 250 ... 500 V 60 Hz 250 ... 500 V DC Operation 250 ... 500 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 20.4 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 20.4 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 550 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 550 V·A Pull-in at Max. Rated Control Circuit Voltage DC 650 V·A Pull-in at Max. Rated Control Circuit Voltage DC 650 W
Power Loss	at Rated Operating Conditions per Pole 14 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 <sup>2</sup> Rigid Cu-Cable 2 x 70 ... 185 mm <sup>2</sup>
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 2x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.75 ... 2.5 mm <sup>2</sup> Flexible 2x0.75 ... 2.5 mm <sup>2</sup> Solid 2 x 1 ... 4 mm <sup>2</sup> Stranded 2 x 1 ... 4 mm <sup>2</sup>
Connecting Capacity	Flexible 2 x 70 ... 185 mm <sup>2</sup> Rigid Cu-Cable 2 x 70 ... 185 mm <sup>2</sup>
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP40 acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00
Tightening Torque	Cable Lug 9 N·m Main Circuit 22 ... 43 N·m
Terminal Type	Main Circuit: Bars
Product Name	Block Contactor

**Technical UL/CSA**

NEMA Size	5
Continuous Current Rating NEMA	270 A
Horsepower Rating NEMA	(200 V AC) Three Phase 75 Hp (230 V AC) Three Phase 100 Hp (460 V AC) Three Phase 200 Hp (575 V AC) Three Phase 200 Hp
Maximum Operating Voltage UL/CSA	Main Circuit 600 V
General Use Rating UL/CSA	(1000 V AC) 350 A
Horsepower Rating UL/CSA	(200 ... 208 V AC) Three Phase 40 Hp (200 V AC) Three Phase 75 hp (208 V AC) Three Phase 75 hp (220 ... 240 V AC) Three Phase 40 Hp (220 ... 240 V AC) Three Phase 100 hp (440 ... 480 V AC) Three Phase 100 Hp (440 ... 480 V AC) Three Phase 200 hp (550 ... 600 V AC) Three Phase 125 hp (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 Uc) -25 ... 55 °C 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	Without Derating 3000 m

## Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS Declaration	2CMT2021-006277
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006525
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

## ABB EcoSolutions

ABB EcoSolutions	Yes
ABB Site Meeting Group Waste To Landfill Target	Non-hazardous waste is sent to a landfill, where there is no alternative option available within 100km of a facility
End Of Life Disassembling Instructions	1SFC100112M0002
Environmental Product Declaration - EPD	1SFC100104D0201
Improved Energy Efficiency for Customers	Product Efficiency - Product considered more energy-efficient compared to similar product on market or older products from the same line
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 76.3 %
Sustainable Material Content in Product (wt. %)	Recycled Metal - 33 %

## Certificates and Declarations

A2L Certificate - UL	9AKK108468A6695
ABS Certificate	14-LD1092198-PDA
BV Certificate	BV_36353_A0BV
CB Certificate	SE-89316
CCS Certificate	GB14T00030
CQC Certificate	CQC2014010304676670 CQC2014010304673866
Declaration of Conformity - CCC	2020980304001305 2020980304001068
Declaration of Conformity - CE	2CMT2015-005439
Declaration of 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

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## 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	7320500504680

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## External Classifications and Standards

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Object Classification Code	Q
ETIM 7	EC000066 - Power contactor, AC switching
ETIM 8	EC000066 - Power contactor, AC switching
ETIM 9	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

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## Categories

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

