

PRODUCT-DETAILS

AF265-30-00-13 AF265-30-00-13 Contactor



General Information	
Extended Product Type	AF265-30-00-13
Product ID	1SFL547002R1300
EAN	7320500481172
Catalog Description	AF265-30-00-13 Contactor
Long Description	The AF265-30-00-13 is a 3 pole - 1000 V IEC or 600 V UL contactor with 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 (100-250 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

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2024/07/23

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AF265-30-00-13

Data Sheet, Technical Information	1SBC100214C0202
Instructions and Manuals	1SFC100008M0201
CAD Dimensional	2CDC001079B0201
Drawing	
Dimension Diagram	1SFB535001G1060

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

Rated Frequency (f) Main Circuit 50 / 60 Conventional Free-air acc. to IEC 60947-4-1, Open Contactors 0 = 40 °C 400 Rated Operational Current (Ith) (1000 V) 40 °C 350 AC-1 (Is) (1000 V) 55 °C 300 Conventional Current (1000 V) 55 °C 300 Conventional Current (415 V) 55 °C 260 AC-3 (Is) (415 V) 55 °C 260 Conventional Current (415 V) 55 °C 260 AC-3 (Is) (416 V) 55 °C 260 Conventional Current (415 V) 55 °C 260 AC-3 (Is) (416 V) 55 °C 260 Conventional Power (415 V) 55 °C 260 Rated Operational Power (415 V) 55 °C 260 Rated Operational Power (415 V) 132 I AC-3 (Pe) (220 / 230 / 240 V) 55 °C 260 Rated Breaking Capacity (220 / 230 / 240 V) 75 °C 260 AC-3 (Pe) (380 / 400 V) 132 I Rated Breaking Capacity (220 / 230 / 240 V) 75 °C 260 Convertional Power (415 V) 132 I AC-3 (Pe) (380 / 400 V) 132 I Rated Breaking Capacity 10 x le AC Rated Breaking Capacity 10 x le AC	Technical	
NC Number of Auxiliary Contacts NO Number of Auxiliary Contacts NO Main Circuit 1000 Rated Operational Voltage Main Circuit 50 / 60 Conventional Free-air acc. to IEC 60947-4-1, Open Contactors 0 = 40 °C 400 Thermal Current (I _m) (1000 V) 40 °C 35 Rated Operational Current (1000 V) 70 °C 24 (1000 V) 70 °C 24 (1000 V) 70 °C 24 (1000 V) 70 °C 24 (1689 V) 70 °C 24 (1000 V) 70 °C 24 (1689 V) 70 °C 24 (1000 V) 70 °C 24 (1689 V) 70 °C 24 (1000 V) 55 °C 350 (1000 V) 70 °C 24 (1000 V) 55 °C 255 (1690 V) 70 °C 24 (1000 V) 70 °C 24 (150 V) 70 °C 24 (1000 V) 70 °C 24 (150 V) 70 °C 24 (1000 V) 75 °C 255 (1600 V) 75 °C 255 (1000 V) 75 °C 255 (1000 V) 75 °C 255 (1000 V) 75 °C 255 (1000 V) 75 °C 255 (1000 V) 75 °C 255 (1000 V) 75 °C 255 (1000 V) 75 °C 255 (1000 V) 75 °C 255 (1000 V) 75 °C 255 (1000 V) 75 °C 255 (1000 V) 75 °C 255 (100 V) 75 °C 255 (1000 V) 75		3
Contacts NO Number of Auxiliary Contacts NO Rated Operational Voltage Main Circuit 100 Rated Operational Voltage Conventional Free-air Conventional Free-air Conventional Current (I _m) Rated Operational Current (1000 V) 40 °C 36 AC-1 (I _a) Rated Operational Current (1000 V) 55 °C 30 (1000 V) 70 °C 24 (1000 V) 55 °C 26 (1000 V) 15 °C 26		0
Contacts NC Main Circuit 1000 Rated Operational Voltage Main Circuit 1000 Conventional Free-air acc. to IEC 60947-4-1, Open Contactors $\Theta = 40^{\circ}$ C 400 Thermal Current (I _h) (1000 V) 40^{\circ}C 35 Rated Operational Current (1000 V) 40^{\circ}C 35 AC-1 (I _e) (1000 V) 55^{\circ}C 30 (1000 V) 70^{\circ}C 240 (680 V) 70^{\circ}C 240 (680 V) 70^{\circ}C 240 (680 V) 55^{\circ}C 260 Rated Operational Current (415 V) 55^{\circ}C 260 AC-3 (I _e) (500 V) 55^{\circ}C 260 (1000 V) 55^{\circ}C 260 (500 V) 55^{\circ}C 260 (1000 V) 55^{\circ}C 260 (500 V) 55^{\circ}C 260 (1000 V) 55^{\circ}C 260 (1000 V) 55^{\circ}C 260 (1000 V) 55^{\circ}C 260 (1000 V) 55^{\circ}C 260 (1000 V) 55^{\circ}C 260 (1000 V) 55^{\circ}C 260 Rated Operational Power (415 V) 132 / AC-3 (P _e) (500 V) 155^{\circ}C 260 Rated Making Capacity (220 / 230 / 240 V) 55^{\circ}C 260 (1000 V) 100 V)	,	0
Rated Frequency (f) Main Circuit 50 / 60 Conventional Free-air Thermal Current (l _{th}) acc. to IEC 60947-4-1, Open Contactors 0 = 40 °C 400 (1000 V) 40 °C 350 AC-1 (l _e) Rated Operational Current AC-1 (l _e) (1000 V) 40 °C 350 (1000 V) 55 °C 300 (1000 V) 70 °C 240 (690 V) 55 °C 250 (690 V) 70 °C 240 (500 V) 55 °C 250 (690 V) 55 °C 250 (690 V) 55 °C 250 (690 V) 55 °C 250 (1000 V) 55 °C 250 (220 / 230 / 240 V) 55 °C 250 (220 / 230 / 240 V) 75 °C 250 (220 /		C
Conventional Free-air Thermal Current (I _{th}) acc. to IEC 60947-4-1, Open Contactors Θ = 40 °C 400 Rated Operational Current AC-1 (I _g) (1000 V) 40 °C 350 (1000 V) 50 °C 300 (1000 V) 50 °C 300 (1000 V) 70 °C 240 (690 V) 55 °C 355 (690 V) 70 °C 240 (690 V) 70 °C 240 (690 V) 75 °C 260 (690 V) 75 °C 260 (690 V) 55 °C 265 (690 V) 55 °C 265 (1000 V) 75 °C 260 (1000 V) 55 °C 265 (1000 V) 150 °C 260 (1000 V) 150 °C 260 (1000 V) 150 °C 260 (1000 V) 150 °C 260 (1000 V) 55 °C 265 (1000 V) 55 °C 265 (1000 V) 55 °C 265 (1000 V) 55 °C 265 (1000 V) 150 °C 260 (1000 V) 150	Rated Operational Voltage	Main Circuit 1000 V
Thermal Current (Ith) Rated Operational Current (1000 V) 40 °C 355 AC-1 (Ie) (1000 V) 55 °C 300 (1000 V) 70 °C 240 (690 V) 40 °C 405 (690 V) 70 °C 240 (690 V) 70 °C 240 Rated Operational Current (415 V) 55 °C 265 AC-3 (Ie) (500 V) 55 °C 265 (1000 V) 55 °C 265 (500 V) 55 °C 265 (1000 V) 55 °C 265 (500 V) 55 °C 265 (1000 V) 55 °C 265 (500 V) 155 °C 265 Rated Operational Power (415 V) 155 °C 265 AC-3 (Pe) (1000 V) 160 V) 160 V) (220 / 230 / 240 V) 75 °C 265 (220 / 230 / 240 V) 75 °C 265 Rated Deprational Power (415 V) 132 V AC-3 (Pe) (220 / 230 / 240 V) 75 °C 265 Rated Breaking Capacity (220 / 230 / 240 V) 75 °C 265 Rated Breaking Capacity (220 / 230 / 240 V) 75 °C 265 Rated Making Capacity (100 V) 160 V) AC-3 (220 / 230 / 240 V) 75 °C 265 Rated Stort-Line gG Type Fuses 500 Devices gG Type Fuses 500 Devices gG Type Fuses 500 Rated Short-Line at 40	Rated Frequency (f)	Main Circuit 50 / 60 Hz
AC-1 (l _e) (1000 V) 55 °C 300 (1000 V) 70 °C 290 (1000 V) 55 °C 305 (1000 V) 55 °C 265 (220 / 230 / 240 V) 55 °C 265 (220 / 230 / 240 V) 55 °C 265 (220 / 230 / 240 V) 55 °C 265 (220 / 230 / 240 V) 75 °C 265 (220 / 240 V) 75 °C 265 (22		acc. to IEC 60947-4-1, Open Contactors Θ = 40 °C 400 A
AC-3 (l_e) (440 v) 55 °C 265 (500 v) 55 °C 265 (500 v) 55 °C 265 (690 v) 55 °C 265 (690 v) 55 °C 265 (690 v) 55 °C 265 (20 / 230 / 240 v) 55 °C 265 (220 / 230 / 240 v) 55 °C 265 (20 / 230 / 240 v) 75 °C 265 (20 / 240 v) 75 °C 2		(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 A (690 V) 55 °C 350 A (690 V) 70 °C 290 A
Rated Operational Power (415 V) 132 I AC-3 (Pe) (440 V) 160 I AC-3 (Pe) (440 V) 160 I (500 V) 200 I (500 V) 200 I (1000 V) 160 I (380 / 400 V) 132 I Rated Breaking Capacity 8 x le AC AC-3 8 x le AC Rated Making Capacity 10 x le AC AC-3 gG Type Fuses 500 Devices gG Type Fuses 500 Rated Short-time at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 2120 Withstand Current Low at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 2120 Voltage (I _{cw}) at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 2650 Maximum Breaking cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 3800 Capacity cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 3300 Maximum Electrical (AC-1) 300 cycles per her Air, (AC-3) 300 cycles per her Air (AC-3) 300 cycles per her Air (AC-3) 300 cycles per her Air (AC-3) 300 cycles per her (AC-3) 300 cycles p		(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
AC-3 10 x le AC Rated Making Capacity 10 x le AC AC-3 gG Type Fuses 500 Devices gG Type Fuses 500 Rated Short-time at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 2120 Withstand Current Low at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 400 Voltage (I _{cw}) at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 400 Maximum Breaking cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 3800 Capacity cos phi=0.45 (cos phi=0.35 for le > 100 A) at 4690 V 3300 Maximum Electrical (AC-1) 300 cycles per hor Switching Frequency (AC-2 / AC-4) 150 cycles per hor		(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
AC-3 gG Type Fuses 500 Devices at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 2120 Rated Short-time at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 400 Voltage (I _{cw}) at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 400 Voltage (I _{cw}) at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 400 Maximum Breaking cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 3800 Capacity cos phi=0.45 (cos phi=0.35 for le > 100 A) at 4690 V 3300 Maximum Electrical (AC-1) 300 cycles per hor Switching Frequency (AC-2 / AC-4) 150 cycles per hor		8 x le AC-3
Devices at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 2120 Withstand Current Low at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 400 Voltage (I _{cw}) at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 400 Maximum Breaking cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 3800 Capacity (AC-1) 300 cycles per he Switching Frequency (AC-2 / AC-4) 150 cycles per he		10 x le AC-3
Withstand Current Low at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 400 Voltage (I _{cw}) at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 2650 Maximum Breaking cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 3800 Capacity cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 3300 Maximum Electrical (AC-1) 300 cycles per ho Switching Frequency (AC-2 / AC-4) 150 cycles per ho		gG Type Fuses 500 A
Capacity cos phi=0.45 (cos phi=0.35 for le > 100 Å) at 690 V 3300 Maximum Electrical (AC-1) 300 cycles per ho Switching Frequency (AC-2 / AC-4) 150 cycles per ho (AC-3) 300 cycles per ho (AC-3) 300 cycles per ho	Withstand Current Low	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
Switching Frequency (AC-2 / AC-4) 150 cýcles per ho (AC-3) 300 cycles per ho		cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 3800 A cos phi=0.45 (cos phi=0.35 for le > 100 A) at 690 V 3300 A
Rated Operational Current (110 V) 2 Poles in Series, 40 °C 350	Maximum Electrical	(AC-1) 300 cycles per hour (AC-2 / AC-4) 150 cycles per hour (AC-3) 300 cycles per hour
	Rated Operational Current	(110 V) 2 Poles in Series, 40 °C 350 A

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DC-1 (I _e)	(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 Uc Min 1.1 x Uc Max. (at $\theta \le 70 \text{ °C}$)
Rated Control Circuit Voltage (U _c)	50 Hz 100 250 V 60 Hz 100 250 V DC Operation 100 250 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 17.5 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 17.5 V·A Holding at Max. Rated Control Circuit Voltage DC 4.5 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 385 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 385 V·A Pull-in at Max. Rated Control Circuit Voltage DC 410 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 mm² Rigid Al-Cable 1 x 185 240 mm² Rigid Cu-Cable 2 x 70 185 mm²
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 2x 0.75 2.5 mm² Flexible with Insulated Ferrule 2x 0.75 2.5 mm² Flexible 2x0.75 2.5 mm² Solid 1 x 1 4 mm² Stranded 1 x 1 4 mm²
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	
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 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 (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

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

Material Compliance

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Without Derating 3000 m

Conflict Minerals

9AKK108467A5658

Reporting Template (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 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 Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 76.3 %
End of Life Instructions	1SFC100104D0201
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
Improved Resource 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 Content	Recycled Metal - 33 %

Eco Transparency	
Environmental Product	1SFC100104D0201
Declaration - EPD	2TFP200030A1001

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

Container Information		
Package Level 1 Units		box 1 piece
Package Level 1 Width		263 mm
Package Level 1 Depth /		203 mm
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Length	
Package Level 1 Height	289 mm
Package Level 1 Gross Weight	4.6 kg
Package Level 1 EAN	7320500481172

Classifications Object Classification Code 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 V11.0:27371003 eClass UNSPSC 39121529 IDEA Granular Category 4758 >> lec Contactors Code (IGCC) E-Number (Finland) 3706473 E-Number (Norway) 3210151

Accessories				
Identifier	Description	Туре	Quantity	Unit Of <u>Measure</u>
1SFN170801R1001	RU19/120 LVRT-Module	RU19/120	1	piece
1SFN170801R1002	RU19/240 LVRT-Module	RU19/240	1	piece

Categories

Low Voltage Products and Systems \rightarrow Control Products \rightarrow Contactors \rightarrow Block Contactors \rightarrow AF Contactors \rightarrow AF265



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