



 PRODUCT-DETAILS

AF26-30-00-13

AF26-30-00-13 100-250V50/60HZ-DC Contactor



General Information

Extended Product Type:	AF26-30-00-13
Product ID:	1SBL237001R1300
EAN:	3471523110939
Catalog Description:	AF26-30-00-13 100-250V50/60HZ-DC Contactor
Long Description:	The AF26-30-00-13 is a 3 pole - 690 V IEC or 600 UL contactor with screw terminals, controlling motors up to 11 kW / 400 V AC (AC-3) or 15 hp / 480 V UL and switching power circuits up to 45 A (AC-1) or 45 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.
Display Name:	AF26-30-00-13

Ordering

Minimum Order Quantity:	1 piece
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Customs Tariff Number: 85364900

Popular Downloads

EPLAN Data:	9AAC159659_EPLAN
Data Sheet, Technical Information:	1SBC100214C0202
Instructions and Manuals:	1SBC101027M6801
Instructions and Manuals (Part 2):	1SAC200017M0002
CAD Dimensional Drawing:	2CDC001079B0201

Dimensions

Product Net Width:	45 mm
Product Net Depth / Length:	86 mm
Product Net Height:	86 mm
Product Net Weight:	0.31 kg

Technical

Number of Main Contacts NO:	3
Number of Main Contacts NC:	0
Number of Auxiliary Contacts NO:	0
Number of Auxiliary Contacts NC:	0
Number of Poles:	3P
Standards:	IEC/EN 60947-1, IEC/EN 60947-4-1, UL 60335-2-40 LZGH2 A2L, UL 60947-4-1, CSA C22.2 No. 60335-2-40 LZGH2 A2L, CSA C22.2 No. 60947-4-1
Rated Operational Voltage:	Main Circuit 690 V
Rated Frequency (f):	Control Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I_{th} acc. to IEC 60947-4-1, Open Contactors $\Theta = 40\text{ }^\circ\text{C}$ 50 A):	
Rated Operational Current AC-1 (I_e):	(690 V) 40 °C 45 A (690 V) 60 °C 40 A (690 V) 70 °C 32 A
Rated Operational Current AC-3 (I_e):	(415 V) 60 °C 26 A (440 V) 60 °C 26 A (500 V) 60 °C 23 A (690 V) 60 °C 17 A (380 / 400 V) 60 °C 26 A (220 / 230 / 240 V) 60 °C 26 A
Rated Operational Current AC-3e (I_e):	(415 V) 60 °C 26 A (440 V) 60 °C 26 A (500 V) 60 °C 23 A (690 V) 60 °C 17 A (380 / 400 V) 60 °C 26 A (220 / 230 / 240 V) 60 °C 26 A

Rated Operational Current DC-1 (I_e):

- (110 V) 2 Poles in Series, 40 °C 45 A
- (110 V) 2 Poles in Series, 60 °C 40 A
- (110 V) 2 Poles in Series, 70 °C 32 A
- (110 V) 3 Poles in Series, 40 °C 45 A
- (110 V) 3 Poles in Series, 60 °C 40 A
- (110 V) 3 Poles in Series, 70 °C 32 A
- (220 V) 3 Poles in Series, 40 °C 45 A
- (220 V) 3 Poles in Series, 60 °C 40 A
- (220 V) 3 Poles in Series, 70 °C 32 A
- (72 V) 1-Pole, 40 °C 45 A
- (72 V) 1-Pole, 60 °C 40 A
- (72 V) 1-Pole, 70 °C 32 A
- (72 V) 2 Poles in Series, 40 °C 45 A
- (72 V) 2 Poles in Series, 60 °C 40 A
- (72 V) 2 Poles in Series, 70 °C 32 A
- (72 V) 3 Poles in Series, 40 °C 45 A
- (72 V) 3 Poles in Series, 60 °C 40 A
- (72 V) 3 Poles in Series, 70 °C 32 A

Rated Operational Current DC-3 (I_e):

- (110 V) 2 Poles in Series, 40 °C 45 A
- (110 V) 2 Poles in Series, 60 °C 40 A
- (110 V) 2 Poles in Series, 70 °C 32 A
- (110 V) 3 Poles in Series, 40 °C 45 A
- (110 V) 3 Poles in Series, 60 °C 40 A
- (110 V) 3 Poles in Series, 70 °C 32 A
- (220 V) 3 Poles in Series, 40 °C 45 A
- (220 V) 3 Poles in Series, 60 °C 40 A
- (220 V) 3 Poles in Series, 70 °C 32 A
- (72 V) 1-Pole, 40 °C 45 A
- (72 V) 1-Pole, 60 °C 40 A
- (72 V) 1-Pole, 70 °C 32 A
- (72 V) 2 Poles in Series, 40 °C 45 A
- (72 V) 2 Poles in Series, 60 °C 40 A
- (72 V) 2 Poles in Series, 70 °C 32 A
- (72 V) 3 Poles in Series, 40 °C 45 A
- (72 V) 3 Poles in Series, 60 °C 40 A
- (72 V) 3 Poles in Series, 70 °C 32 A

Rated Operational Current DC-5 (I_e):

- (110 V) 2 Poles in Series, 40 °C 45 A
- (110 V) 2 Poles in Series, 60 °C 40 A
- (110 V) 2 Poles in Series, 70 °C 32 A
- (110 V) 3 Poles in Series, 40 °C 45 A
- (110 V) 3 Poles in Series, 60 °C 40 A
- (110 V) 3 Poles in Series, 70 °C 32 A
- (220 V) 3 Poles in Series, 40 °C 20 A
- (220 V) 3 Poles in Series, 60 °C 20 A
- (220 V) 3 Poles in Series, 70 °C 20 A
- (72 V) 1-Pole, 40 °C 20 A
- (72 V) 1-Pole, 60 °C 20 A
- (72 V) 1-Pole, 70 °C 20 A
- (72 V) 2 Poles in Series, 40 °C 45 A
- (72 V) 2 Poles in Series, 60 °C 40 A
- (72 V) 2 Poles in Series, 70 °C 32 A
- (72 V) 3 Poles in Series, 40 °C 45 A
- (72 V) 3 Poles in Series, 60 °C 40 A
- (72 V) 3 Poles in Series, 70 °C 32 A

Rated Operational Power AC-3 (P_e):

- (400 V) 11 kW
- (415 V) 11 kW
- (440 V) 15 kW
- (500 V) 15 kW
- (690 V) 15 kW
- (380 / 400 V) 11 kW
- (220 / 230 / 240 V) 6.5 kW

Rated Operational Power AC-3e (P_e):

- (415 V) 11 kW
- (440 V) 15 kW
- (500 V) 15 kW
- (690 V) 15 kW
- (380 / 400 V) 11 kW
- (220 / 230 / 240 V) 6.5 kW

Rated Short-time Withstand Current Low Voltage (I_{cw}):	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 350 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 50 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 150 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 700 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 225 A
Maximum Breaking Capacity:	cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 440 V 500 A cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 200 A
Rated Insulation Voltage (U_i):	acc. to IEC 60947-4-1 690 V acc. to UL/CSA 600 V
Rated Impulse Withstand Voltage (U_{imp}):	6 kV
Maximum Electrical Switching Frequency:	(AC-1) 600 cycles per hour (AC-2 / AC-4) 150 cycles per hour (AC-3) 1200 cycles per hour
Maximum Mechanical Switching Frequency:	3600 cycles per hour
Rated Control Circuit Voltage (U_c):	50 Hz 100 ... 250 V 60 Hz 100 ... 250 V DC Operation 100 ... 250 V
Power Loss:	at Rated Operating Conditions AC-1 per Pole 1.8 W at Rated Operating Conditions AC-3 per Pole 0.6 W
Operate Time:	Between Coil De-energization and NC Contact Closing 13 ... 98 ms Between Coil De-energization and NO Contact Opening 11 ... 95 ms Between Coil Energization and NC Contact Opening 38 ... 90 ms Between Coil Energization and NO Contact Closing 40 ... 95 ms
Mounting on DIN Rail:	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Mounting by Screws (not supplied) :	2 x M4 Screws Placed Diagonally
Connecting Capacity Main Circuit:	Flexible with Ferrule 1/2x 1.5 ... 10 mm ² Flexible with Insulated Ferrule 1x 1.5 ... 10 mm ² Flexible with Insulated Ferrule 2x 1.5 ... 4 mm ² Rigid Solid 1/2x 2.5 ... 4 mm ² Rigid Stranded 1/2x 2.5 ... 10 mm ²
Connecting Capacity Control Circuit:	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm ² Rigid Solid 1/2x 1 ... 2.5 mm ² Rigid Stranded 1/2x 1 ... 2.5 mm ²
Wire Stripping Length:	Control Circuit 10 mm Main Circuit 14 mm
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 IP20
Tightening Torque:	Control Circuit 1.2 N·m Main Circuit 2.5 N·m
Terminal Type:	Screw Terminals
Product Name:	Block Contactor

Technical UL/CSA

NEMA Size:	1
Continuous Current Rating NEMA:	27 A

Horsepower Rating NEMA:	(115 V AC) Single Phase 2 Hp (200 V AC) Three Phase 7-1/2 Hp (230 V AC) Single Phase 3 Hp (230 V AC) Three Phase 7-1/2 Hp (460 V AC) Three Phase 10 Hp (575 V AC) Three Phase 10 Hp
Maximum Operating Voltage UL/CSA:	Main Circuit 600 V
General Use Rating UL/CSA:	(600 V AC) 45 A
Horsepower Rating UL/CSA:	(120 V AC) Single Phase 2 hp (200 ... 208 V AC) Three Phase 7-1/2 hp (220 ... 240 V AC) Three Phase 7-1/2 hp (240 V AC) Single Phase 3 hp (440 ... 480 V AC) Three Phase 15 hp (550 ... 600 V AC) Three Phase 20 hp
Connecting Capacity Main Circuit UL/CSA:	Rigid Solid 1/2x 14-10 AWG Rigid Stranded 1/2x 14-8 AWG
Connecting Capacity Control Circuit UL/CSA:	Rigid Solid 1/2x 18-14 AWG Rigid Stranded 1/2x 18-14 AWG
Tightening Torque UL/CSA:	Control Circuit 11 in-lb Main Circuit 22 in-lb
Full Load Amps Motor Use:	(120 V AC) Single Phase 24 A (200 ... 208 V AC) Three Phase 25.3 A (220 ... 240 V AC) Three Phase 22 A (240 V AC) Single Phase 17 A (440 ... 480 V AC) Three Phase 21 A (550 ... 600 V AC) Three Phase 22 A

Environmental

Ambient Air Temperature:	Close to Contactor Fitted with Thermal O/L Relay -25 ... 60 °C Close to Contactor without Thermal O/L Relay -40 ... 70 °C Close to Contactor for Storage -60 ... +80 °C
Climatic Withstand:	Category B according to IEC 60947-1 Annex Q
Maximum Operating Altitude Permissible:	Without Derating 3000 m
Resistance to Shock acc. to IEC 60068-2-27:	Closed, Shock Direction: B1 25 g Open, Shock Direction: B1 5 g Shock Direction: A 30 g Shock Direction: B2 15 g Shock Direction: C1 25 g Shock Direction: C2 25 g
Resistance to Vibrations:	4g Closed Position & 2g Open position 5 ... 300 Hz
Pollution Degree:	3

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
SCIP:	7ecf2e54-f412-43b8-a8b6-f76449ceacf0 China

Simplified SCIP:	9d16e54f-6686-406e-b14f-0cee1717e24b Estonia 37f3e77c-795e-41ee-b433-5c1794ce6c9f Norway c4403672-cc97-4b2d-a454-093c5bdbe0cb Poland cfb0408b-ba9b-48ab-901c-b020f8b19980 Poland 50053f28-5503-45f1-9216-9c6153ff7c92 Croatia 6b0d03d8-ef7c-4172-83cb-7d93cddc8742 Germany ed8aca28-3375-4793-aa35-19886c194ca8 Czech Republic c2440a4a-0fc3-4333-b049-16519c9881df Hungary 9d2c81de-3f4d-4249-a51b-c1b177e19539 Belgium afa8983c-e5a2-4fde-b1d7-6bf2e8d96c79 Sweden 485bc883-a6ce-4552-a15a-da10257b9607 France 14d33d6f-4b5e-4e0e-b342-8cfc4ba5a2c9 Poland b8c1ba93-f584-410e-92b8-54d0ba47a423 Germany de3d8d83-9e65-4128-8963-0d0484118cb3 France 531e9494-6c9c-4abc-a5af-da0b16b0f7ef Germany 8233522d-460d-47d7-a4cd-1e65521b7d63 Germany 2cfe5e3d-3504-4045-864e-2829c08e0738 Denmark 5e33d089-78e4-4d6b-8056-dd2f81a6aacc Sweden 30aa3dc6-6fdb-459e-845e-8598288ccde5 Germany 4aefcb2d-c513-4f5e-a9a4-32a65a38d38f Portugal 494382ca-a4c6-41e3-a2ba-63b24bdfff79 Belgium d41d1cf2-832c-4c8c-b21b-2c05c687541b Greece 41a24e46-e6a4-4f72-b9d0-f89775cf0a5f Bulgaria ce0aed02-bd40-49e4-b9b4-cfd41985524a Hungary b07f208c-c45d-421b-8981-bfcef052fa0d Netherlands c2dff4eb-46ff-42c4-a65b-a1a9ee75a19d Spain 24fc9fcb-5e79-463c-963b-c3d91fa717e5 Finland
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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:	No non-hazardous waste is sent to a landfill
EcoSolutions Profile:	1SBC100156C0308
End Of Life Disassembling Instructions:	1SBC101080M6801
Environmental Product Declaration - EPD:	1SBD250584E4000
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 - 94.3 %

Certificates and Declarations

A2L Certificate – UL:	9AKK108469A4875 9AKK108469A4879
ABS Certificate:	ABS_20-2060694-PDA
BV Certificate:	BV_2634H24898C1
CB Certificate:	9AKK108472A2643
CCC Certificate:	CCC_2024010304656668
CQC Certificate:	CQC2010010304445623 CQC2020010304294316

Declaration of Conformity - CCC:	2020980304001254 2020980304001052
Declaration of Conformity - CE:	1SBD250000U1000
Declaration of Conformity - UKCA:	1SBD250031U1000
DNV Certificate:	DNV_TAE00001AF-4
KC Certificate:	KC_HW02016-15001C
LR Certificate:	LRS_LR23403517TA-02
RINA Certificate:	RINA_ELE142224XG
RMRS Certificate:	RMRS_1802705280
UL Certificate:	UL-US-2150887-5 UL-CA-2142658-5
UL Listing Card:	E312527

Container Information

Package Level 1 Units:	box 1 piece
Package Level 1 Width:	87 mm
Package Level 1 Depth / Length:	87 mm
Package Level 1 Height:	47 mm
Package Level 1 Gross Weight:	0.31 kg
Package Level 1 EAN:	3471523110939

External Classifications and Standards

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):	3706264
E-Number (Sweden):	3211378

Accessories

Identifier	Description	Qty	Type	Unit Of Measure
1SBN010015R1001	CE5-01D0.1 Auxiliary Contact Block	1	CE5-01D0.1	piece
1SBN010015R1010	CE5-10D0.1 Auxiliary Contact Block	1	CE5-10D0.1	piece
1SBN010016R1001	CE5-01W0.1 Auxiliary Contact Block	1	CE5-01W0.1	piece

1SBN010016R1010	CE5-10W0.1 Auxiliary Contact Block	1	CE5-10W0.1	piece
1SBN010017R1001	CE5-01D2 Auxiliary Contact Block	1	CE5-01D2	piece
1SBN010017R1010	CE5-10D2 Auxiliary Contact Block	1	CE5-10D2	piece
1SBN010018R1001	CE5-01W2 Auxiliary Contact Block	1	CE5-01W2	piece
1SBN010018R1010	CE5-10W2 Auxiliary Contact Block	1	CE5-10W2	piece
1SBN010013R1010	CB5-10 Impulse Contact Block	1	CB5-10	piece
1SBN010013R1001	CB5-01 Impulse Contact Block	1	CB5-01	piece
1SBN010110R1010	CA4-10 Auxiliary Contact Block	1	CA4-10	piece
1SBN010110T1010	CA4-10-T Auxiliary Contact Block	1	CA4-10-T	piece
1SBN010110R1001	CA4-01 Auxiliary Contact Block	1	CA4-01	piece
1SBN010110T1001	CA4-01-T Auxiliary Contact Block	1	CA4-01-T	piece
1SBN010111R1010	CC4-10 Leading Auxiliary Contact Block	1	CC4-10	piece
1SBN010111R1001	CC4-01 Lagging Auxiliary Contact Block	1	CC4-01	piece
1SBN010120R1011	CAL4-11 Auxiliary Contact Block	1	CAL4-11	piece
1SBN010120T1011	CAL4-11-T Auxiliary Contact Block	1	CAL4-11-T	piece
1SBN010140R1022	CA4-22E Auxiliary Contact Block	1	CA4-22E	piece
1SBN010140R1031	CA4-31E Auxiliary Contact Block	1	CA4-31E	piece
1SBN010140R1040	CA4-40E Auxiliary Contact Block	1	CA4-40E	piece
1SBN010140R1004	CA4-04E Auxiliary Contact Block	1	CA4-04E	piece
1SBN010151R1011	CAT4-11E Auxiliary Contact / Coil Terminal Block	1	CAT4-11E	piece
1SBN070156T1000	LDC4 Additional Coil Terminal Block	1	LDC4	piece
1SBN030105T1000	VM4 Mechanical Interlock Unit	1	VM4	piece
1SBN030111R1000	VEM4 Mechanical and Electrical Interlock Set	1	VEM4	piece
1SBN082306T1000	BEA26-4 Connecting Link with Manual Motor Starter	1	BEA26-4	piece
1SBN020112R1000	TEF4-ON Frontal Electronic Timer	1	TEF4-ON	piece
1SBN020113R1000	TEF4S-ON Frontal Electronic Timer	1	TEF4S-ON	piece

1ISBN010134R1011	CAL4-11K Auxiliary Contact Block	1	CAL4-11K	piece
1ISBN082306T2000	BEA38-4 Connecting Link with Manual Motor Starter	1	BEA38-4	piece
1ISBN020114R1000	TEF4-OFF Frontal Electronic Timer	1	TEF4-OFF	piece
1ISBN082311R1000	BER38-4 Connection Set for Reversing Contactors	1	BER38-4	piece
1ISBN020115R1000	TEF4S-OFF Frontal Electronic Timer	1	TEF4S-OFF	piece
1ISBN072303T1000	LY38-4 Connecting Strip	1	LY38-4	piece
1ISBN110108T1000	BX4 Protective Cover	1	BX4	piece
1ISBN072304R1000	LH38-4 Connecting Strip	1	LH38-4	piece
1ISBN082713R2000	BEY38-4 Connection Set for Star-Delta Starter	1	BEY38-4	piece
1ISBN040100R1011	WA4-11 24-60V50/60HZ-DC Mechanical Latching Unit	1	WA4-11	piece
1ISBN040100R1014	WA4-14 250-500V50/60HZ-DC Mechanical Latching Unit	1	WA4-14	piece
1ISBN072308R1000	LD38-4 Additional Terminal Block	1	LD38-4	piece
1ISBN110122T1000	BDT4 Test Block	1	BDT4	piece
1ISBN040100R1010	WA4-10 24VDC Mechanical Latching Unit	1	WA4-10	piece
1ISBN072305R1000	LF38-4 Connecting Strip	1	LF38-4	piece
1ISBN040100R1012	WA4-12 48-130V50/60HZ-DC Mechanical Latching Unit	1	WA4-12	piece
1ISBN060100R1000	RA4 Interface Relay	1	RA4	piece
1ISBN040100R1013	WA4-13 100-250V50/60HZ-DC Mechanical Latching Unit	1	WA4-13	piece
1ISBN070159T1000	LDC4K Additional Coil Terminal Block	1	LDC4K	piece
1ISBN010160R1001	CA4-01K Auxiliary Contact Block	1	CA4-01K	piece
1ISBN082314R1000	BEP38-30 Phase to phase connection	1	BEP38-30	piece
1ISBN010146R1022	CA4-22EK Auxiliary Contact Block	1	CA4-22EK	piece
1ISBN010160R1010	CA4-10K Auxiliary Contact Block	1	CA4-10K	piece
1ISBN082322R1000	BER38-4KF Connection Set for Reversing Contactors	1	BER38-4KF	piece
1ISBN010160T1001	CA4-01K-T Auxiliary Contact Block	1	CA4-01K-T	piece
1ISBN082323R2000	BEY38-4KF Connection Set for Star-Delta Starter	1	BEY38-4KF	piece
1ISBN010160T1010	CA4-10K-T Auxiliary Contact Block	1	CA4-10K-T	piece

1SBN030113R1000	VEM4K Mechanical and Electrical Interlock Set	1	VEM4K	piece
1SBN010146R1031	CA4-31EK Auxiliary Contact Block	1	CA4-31EK	piece
1SBN010146R1040	CA4-40EK Auxiliary Contact Block	1	CA4-40EK	piece

Categories

Products > Low Voltage Products and Systems > Control Products > Contactors > Block Contactors > AF Contactors > AF26



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