PRODUCT-DETAILS

AF26ZB-30-00-21

AF26ZB-30-00-21 24-60V50/60HZ 20-60VDC Contactor



General Information

Extended Product Type	AF26ZB-30-00-21
Product ID	1SBL236061R2100
EAN	3471523124110
Catalog Description	AF26ZB-30-00-21 24-60V50/60HZ 20-60VDC Contactor
Long Description	The AF26ZB-30-00-21 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 (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.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Instructions and Manuals	1SBC101027M6801

Dimensions

Product Net Width	45 mm
Product Net Depth / Length	86 mm
Product Net Height	86 mm
Product Net Weight	0.37 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
Standards	IEC/EN 60947-1, IEC/EN 60947-4-1, UL 60947-4-1, CSA C22.2 No. 60947-4-1, IEC 60077-1 (applicable parts), IEC 60077-2 (applicable parts), EN 50155 (applicable parts), TR CU 001/2011, IEC 61373, For compliance confirmation on applicable parts based on your application and combination, please consult your ABB sales representatives.
Rated Operational Voltage	Main Circuit 690 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 °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 Power AC-3 (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 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 for 1 s -empty- A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 440 V 500 A cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 690 V 200 A
Maximum Electrical Switching Frequency	(AC-1) 600 cycles per hour (AC-2 / AC-4) 150 cycles per hour (AC-3) 1200 cycles per hour
Rated Insulation Voltage	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V

(U_i)	acc. to UL/CSA 600 V
Rated Impulse Withstand Voltage (U_{imp})	6 kV
Maximum Mechanical Switching Frequency	3600 cycles per hour
Rated Control Circuit Voltage (U_c)	50 Hz 24 ... 60 V 60 Hz 24 ... 60 V DC Operation 20 ... 60 V
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	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 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 mm² Flexible with Insulated Ferrule 1x 1.5 ... 10 mm² Flexible with Insulated Ferrule 2x 1.5 ... 4 mm² Rigid 1/2x 2.5 ... 10 mm²
Wire Stripping Length	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
Terminal Type	Screw Terminals

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
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

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
RoHS Status	Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)

CB Certificate	CB_SE-96552
CCC Certificate	CCC_2010010304445623
CQC Certificate	CQC2010010304445623
cUL Certificate	UL_20180227_E312527_7_1
Declaration of	2020980304001254

Conformity - CCC	
Declaration of Conformity - CE	1SBD250002U1000
Declaration of Conformity - UKCA	1SBD250033U1000
EAC Certificate	EAC_RU C-FR ME77 B03597
Environmental Information	1SBD250167E1000 1SBC100222M0201
GOST Certificate	GOST_POCCFR.ME77.B07175.pdf
Instructions and Manuals	1SBC101027M6801
KC Certificate	KC_HW02016-15001C
RoHS Information	1SBD250002U1000
UL Certificate	UL_20140305-E312527_7_1
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	0.37 kg
Package Level 1 EAN	3471523124110
Package Level 2 Units	box 21 piece
Package Level 2 Width	250 mm
Package Level 2 Depth / Length	300 mm
Package Level 2 Height	315 mm
Package Level 2 Gross Weight	16.65 kg
Package Level 3 Units	1080 piece

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

Categories

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

