

PRODUCT-DETAILS

AF26Z-30-00-30 AF26Z-30-00-30 24VDC Contactor



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General	Information

Extended Product Type	AF26Z-30-00-30
Product ID	1SBL236001R3000
EAN	3471523114197
Catalog Description	AF26Z-30-00-30 24VDC Contactor

Long Description

AF26Z 3-pole contactors are used for controlling power circuits up to 690 V AC and 220 V DC. They are mainly used for controlling 3-phase motors, non-inductive or slightly inductive loads. AF26Z contactors with coil 30 include a 24 V DC electronic coil interface with a builtin surge suppression, obtaining a reduced holding coil consumption up to 1.7 W for a low panel energy consumption and a direct control by PLC-output ≥ 250 mA 24 V DC, without need of additional interface relay. Only AF..Z..-30 contactors need to respect the polarity on the coil terminals (A1+ and A2-). The AF... series 1-stack 3-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 3 main poles, front and side-mounted add-on auxiliary contact blocks. (mechanically-linked auxiliary contacts compliant with Annex L of IEC 60947-5-1. N.C. mirror contacts compliant with Annex F of IEC 60947-4-1) - Accessories: a wide range of accessories is available.

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

UNSPSC 39121529

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	96 mm
Package Level 1 Depth / Length	112 mm
Package Level 1 Height	50 mm
Package Level 1 Gross Weight	0.526 kg
Package Level 1 EAN	3471523114197
Package Level 2 Units	crate 12 piece
Package Level 2 Width	51 mm
Package Level 2 Depth / Length	98 mm
Package Level 2 Height	114 mm
Package Level 2 Gross Weight	6.312 kg
Package Level 3 Units	576 piece

Certificates and Declarations (Document Number)	
CB Certificate	CB_SE-96552
CCC Certificate	CCC_2010010304445623
cUL Certificate	UL_20180227_E312527_7_1
Declaration of Conformity - CE	1SBD250000U1000
DNV Certificate	DNV-GL_TAE00001AF-3
DNV GL Certificate	DNV-GL_TAE00001AF-3
EAC Certificate	EAC_RU_FRME77B03447
GL Certificate	DNV-GL_TAE00001AF-3
Instructions and Manuals	1SBC101053M6801
RINA Certificate	RINA_ELE240318XG
RMRS Certificate	RMRS_1802705280

Technical UL/CSA	
General Use Rating UL/CSA	(600 V AC) 45 A
Horsepower Rating UL/CSA	(220 240 V AC) Three Phase 7-1/2 hp (440 480 V AC) Three Phase 15 hp (550 600 V AC) Three Phase 20 hp (120 V AC) Single Phase 2 hp (200 208 V AC) Three Phase 7-1/2 hp (240 V AC) Single Phase 3 hp

Environmental

RoHS Information

1SBD250000U1000

	Close to Contactor without Thermal O/L Relay -40 +70 °C Close to Contactor Fitted with Thermal O/L Relay -25 +60 °C
Climatic Withstand	Category B according to IEC 60947-1 Annex Q
Maximum Operating Altitude Permissible	3000 m
Resistance to Vibrations acc. to IEC 60068-2-6	5 300 Hz 4 g closed position / 2 g open position
RoHS Status	Following EU Directive 2011/65/EU
 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
Rated Operational Voltage	Auxiliary Circuit 690 V
Rated Frequency (f)	Auxiliary Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I _{th})	acc. to IEC 60947-5-1, q = 40 $^{\circ}$ C 16 A acc. to IEC 60947-4-1, Open Contactors q = 40 $^{\circ}$ 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)	(220 / 230 / 240 V) 60 °C 26 A (380 / 400 V) 60 °C 26 A (415 V) 60 °C 26 A (440 V) 60 °C 26 A (500 V) 60 °C 23 A (690 V) 60 °C 17 A
Rated Operational Power AC-3 (P _e)	(220 / 230 / 240 V) 6.5 kW (380 / 400 V) 11 kW (415 V) 11 kW (440 V) 15 kW (500 V) 15 kW (690 V) 15 kW
Rated Operational Current AC-15 (I _e)	(220 / 240 V) 4 A (24 / 127 V) 6 A (500 V) 2 A (690 V) 2 A (400 / 440 V) 3 A
Rated Short-time Withstand Current (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 0.1 s 140 A for 1 s 100 A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for le > 100 A) at 440 V 500 A cos phi=0.45 (cos phi=0.35 for le > 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 AC-15 1200 cycles per hour DC-13 900 cycles per hour
Rated Operational Current DC-13 (I _e)	(125 V) 0.55 A / 69 W (24 V) 6 A / 144 W

(72 V) 1 A / 72 W (110 V) 0.55 A / 80 W (220 V) 0.27 A / 80 W (220 V)		(250 V) 0.27 A / 68 W
(220 V) 0.27 A / 80 W (500 V) 0.13 A / 65 W acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 980 V (VI) Act of IEC 60947-4-1 and VDE 0110 (Gr. C) 980 V (VI) Act of IEC 60947-4-1 and VDE 0110 (Gr. C) 980 V (VI) Act of IEC 60947-4-1 and VDE 0110 (Gr. C) 980 V (VI) Act of IEC 60947-4-1 and VDE 0110 (Gr. C) 980 V (VI) Act of IEC 60947-4-1 and VDE 0110 (Gr. C) 980 V (VI) Act of IEC 60947-4-1 and VDE 0110 (Gr. C) 980 V (VI) Act of IEC 60947-4-1 and VDE 0110 (Gr. C) 980 V (VI) Act of IEC 60947-4-1 and VDE 0110 (Gr. C) 980 V (VI) Act of IEC 60947-1 (Gr. C) Act of IEC 60		(48 V) 2.8 A / 134 W (72 V) 1 A / 72 W
Rated Insulation Voltage (G00 V) 0.15 A / 65 W (G00 V) 0.1 A / 65 W (G00		(110 V) 0.55 A / 60 W
Rated Insulation Voltage (U) 1 acc. to IEC 60947-4-1 and VDE 0110 (Gr. 0) 690 V (U) 1 acc. to IEC 60947-4-1 and VDE 0110 (Gr. 0) 690 V Rated Impulse Withstand Voltage (U _{mpc}) Maximum Mechanical Switching Frequency Rated Control Circuit 50 Hz / 60 Hz 100 250 V Operate Time Between Coil De-energization and NC Contact Classing 22 57 ms Between Coil De-energization and NC Contact Classing 27 53 ms Rigid 1/2x 2.5 10 m² Flexible with Insulated Ferrule 2x 1.5 10 m² Flexible with Insulated Ferrule 1x 1.5		
Rated Insulation Voltage (U, 1) acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V Rated Impulse Withstand Voltage (U _{mp}) Maximum Mechanical 3600 cycles per hour Switching Frequency Rated Control Circuit 50 Hz / 60 Hz 100 250 V DC Operation 24 V Voltage (U _m) Operate Time Between Coil De-energization and NC Contact Closing 22 57 ms Between Coil De-energization and NC Contact Closing 27 59 ms Between Coil De-energization and NC Contact Closing 27 59 ms Between Coil Energization and NC Contact Opening 20 35 ms Between Coil Energization and NC Contact Opening 27 59 ms Between Coil Energization and NC Contact Opening 27 59 ms Between Coil Energization and NC Contact Opening 27 59 ms Between Coil Energization and NC Contact Opening 27 59 ms Petween Coil Energization and NC Contact Opening 27 59 ms Between Coil Energization and NC Contact Opening 27 59 ms Petween Coil Energization and NC Contact Opening 27 59 ms Petween Coil Energization and NC Contact Opening 27 59 ms Petween Coil Energization and NC Contact Opening 27 59 ms Petween Coil Energization and NC Contact Opening 27 59 ms Petween Coil Energization and NC Contact Opening 27 59 ms Petween Coil Energization and NC Contact Opening 27 59 ms Petween Coil Energization and NC Contact Opening 27 59 ms Petween Coil Energization and NC Contact Coincing 27 59 ms Petween Coil Energization and NC Contact Coincing 27 59 ms Petween Coil Energization and NC Contact Coincing 27 59 ms Petween Coil Energization and NC Contact Coincing 27 59 ms Petween Coil Energization and NC Contact Coincing 27 59 ms Petween Coil Energization and NC Contact Coincing 27 59 ms Petween Coil Energization and NC Contact Coincing 27 59 ms Petween Coil Energization and NC Contact Coincing 27 59 ms Petween Coil Energization and NC Contact Coincing 27 59 ms Petween Coil Energization and NC Contact Coincing 27 59 ms Petween Coil Energization and NC Contact Coincing 27 59 ms Petween Co		
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Dimensions Product Net Width 45 mm Product Net Depth / 106 mm Length 86 mm Product Net Weight 0.48 kg Popular Downloads Instructions and Manuals 1SBC101053M6801 Ordering Minimum Order Quantity 1 piece	Degree of Protection	
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Product Net Depth / 106 mm Length Product Net Height 86 mm Product Net Weight 0.48 kg Popular Downloads Instructions and Manuals 1SBC101053M6801 Ordering Minimum Order Quantity 1 piece	Dimensions	
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Product Net Weight 0.48 kg Popular Downloads Instructions and Manuals 1SBC101053M6801 Ordering Minimum Order Quantity 1 piece	Product Net Depth / Length	106 mm
Popular Downloads Instructions and Manuals 1SBC101053M6801 Ordering Minimum Order Quantity 1 piece	Product Net Height	86 mm
Instructions and Manuals 1SBC101053M6801 Ordering Minimum Order Quantity 1 piece	Product Net Weight	0.48 kg
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AF26Z-30-00-30

AF26Z-30-00-30 5

Categories

 $\text{Low Voltage Products and Systems} \rightarrow \text{Control Products} \rightarrow \text{Contactors} \rightarrow \text{Block Contactors}$

