

PRODUCT-DETAILS

Manuals

AF26B-40-00RT-14

AF26B-40-00RT-14 250-500V50/60HZ-DC Contactor



General Information	
Extended Product Type	AF26B-40-00RT-14
Product ID	1SBL237260R1400
EAN	3471523127241
Catalog Description	AF26B-40-00RT-14 250-500V50/60HZ-DC Contactor
Long Description	The AF26B-40-00RT-14 is a 4 pole - 690 V IEC or 600 UL contactor with Ring-Tongue Terminals, controlling motors up to 11 kW / 400 V AC (AC-3) 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 (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.

Ordering	
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900
Popular Downloads	
Instructions and	1SBC101035M6801

Product Net Height	Dimensions	
Technical	Product Net Width	45 mm
Product Net Helght	Product Net Depth /	101 mm
Technical		
Number of Main Contacts NO		
Number of Main Contacts NO Number of Main Contacts NC Number of Auxillary Contacts NC Standards EC/EN 60947-1, IEC/EN 60947-41, UL 60947-41, CSA C222 No. 60947-41 EE 60077-1 (applicable parts), IEC 60077-2 (applicable parts), EN 50155	Product Net Weight	U.59 Kg
Contacts NO Number of Main Contacts NO	Technical	
Contacts NO Number of Auxiliary Contacts NO Standards EC/EN 60947-1, EC/EN 60947-4-1, UL 60947-4-1, CSA C222 No. 60947-4-1 EC 60077-2 (applicable parts), EC 60077-2 (applicable parts), EN 50155 (applicable parts), EC 60077-2 (applicable parts), EN 50155 (applicable parts), EC 60077-2 (applicable parts), EN 6007-2 (app		4
Contacts NO Number of Auxilliary Contacts NC Standards IEC/EN 60947-1, IEC/EN 60947-4-1, UL 60947-4-1, USA C22.2 No. 60947-4-1 IEC 60077-1 (applicable parts), IEC 60077-2 (applicable parts), EN 60155 (applicable parts), IEC 60077-2 (applicable parts), EN 60155 (applicable parts), IEC 60077-2 (applicable parts), EN 60155 (applicable parts), IEC 0001/2011, IEC 61373, For compliance confirmation on applicable parts based on your plant on applicable parts based on your plant on and combination, please consult your ABB sales representatives Rated Operational Voltage Rated Frequency (f) Conventional Free-air acc. to IEC 60947-4-1, Open Contactors q = 40°C.55 / Arabet Operational Current AC-1 (le) (690 V) 40°C.42 (690 V) 60°C.23 (690 V) 60°C.20 (6		0
Standards	•	0
IEC 6007T- (applicable parts), IEC 0007T- (applicable parts), IEC 0007T- (applicable parts), IEC 0007T- (applicable parts), IEC 0007C- (applicable parts)	Contacts NC	0
Voltage Rated Frequency (f) Main Circuit 50 / 60 Hz Conventional Free-air acc. to IEC 60947-4-1, Open Contactors q = 40 °C 55 / Thermal Current (I _{th}) Rated Operational (690 V), 40 °C 40 / (690 V) 60 °C 40 / (690 V) 60 °C 40 / (690 V) 70 °C 32 / (440 V) 50 °C 20 / (440 V) 50 °C 20 / (440 V) 50 °C 20 / (500 V) 60 °C 10.5 / (380 / 400 V) 60 °C 22 / (200 / 230 / 240 V) 60 °C 23 / (200 / 230 / 240 V) 60 °C 23 / (200 / 230 / 240 V) 60 °C 23 / (200 / 230 / 240 V) 60 °C 23 / (200 / 230 / 240 V) 16 °C 23 / (200 / 230 / 240 V) 16 °C 23 / (200 / 230 / 240 V) 15 / (380 / 400 V) 16 °C 20 / (200 / 230 / 240 V) 15 / (380 / 400 V) 16 °C 20 / (200 / 230 / 240 V) 15 / (380 / 400 V) 16 °C 20 / (200 / 230 / 240 V) 15 / (380 / 400 V) 16 °C 20 / (200 / 230 / 240 V) 15 / (380 / 400 V) 16 °C 20 / (200 / 230 / 240 V) 15 / (380 / 400 V) 16 °C 20 / (200 / 230 / 240 V) 15 / (380 / 400 V) 16 °C 20 / (200 / 230 / 240 V) 15 / (380 / 400 V) 16 °C 20 / (200 / 230 / 240 V) 15 / (380 / 400 V) 16 °C 20 / (200 / 230 / 240 V) 15 / (380 / 400 V) 16 °C 20 / (200 / 230 / 240 V) 15 / (380 / 400 V) 16 °C 20 / (200 / 230 / 240 V) 15 / (380 / 400 V) 16 °C 20 / (200 / 230 / 240 V) 15 / (380 / 400 V) 16 °C 20 / (200 / 230 / 240 V) 15		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.
Conventional Free-air acc. to IEC 60947-4-1, Open Contactors q = 40 °C 55 A Thermal Current (I _{III}) (690 V) 40 °C 45 A Rated Operational (690 V) 40 °C 40 A (690 V) 50 °C 40 A (690 V) 70 °C 32 A (690 V) 60 °C 40 A (690 V) 60 °C 40 A (690 V) 60 °C 40 A (690 V) 60 °C 20 A (440 V) 50 °C 20 A (440 V) 50 °C 20 A (500 V) 60 °C 10 A (690 V) 60 °C 10 A	Rated Operational Voltage	Main Circuit 690 V
Thermal Current (I _{th}) Rated Operational Current AC-1 (I _e) (690 V) 40 °C 4E (690 V) 60 °C 4D (690 V) 70 °C 3E (690 V) 70 °C 3E Rated Operational Current AC-3 (I _e) (415 V) 60 °C 21.2 R (440 V) 60 °C 21.2 R (500 V) 60 °C 17.6 R (590 V) 70 °C 3E (590 V) 60 °C 17.6 R (590 V) 10 V (590 V (Rated Frequency (f)	Main Circuit 50 / 60 Hz
Current AC-1 (le) (690 V) 50 °C 4.04 (690 V) 70 °C 3.2 (690 V) 60 °C 21.2 (690 V) 11 km (690 V)		acc. to IEC 60947-4-1, Open Contactors $q = 40 ^{\circ}\text{C}$ 55 A
Current AC-3 (le) (A40 V) 60 °C 20 A (S00 V) 60 °C 17.6 A (S90 V) 60 °C 23.2 A (S90 V) 240 V) 60 °C 23.2 A (S90 V) 11 km (S90 V) 12 km	•	(690 V) 40 °C 45 (690 V) 60 °C 40 A (690 V) 70 °C 32
Rated Operational Power AC-3 (Pe) (400 V) 11 kM (440 V) 11 kM (500 V) 11 kM (690 V) 9 kM (690 V) 9 kM (220 / 230 / 240 V) 5.5 kM (220 /	•	(415 V) 60 °C 21.2 A (440 V) 60 °C 20 A (500 V) 60 °C 17.6 A (690 V) 60 °C 10.5 A (380 / 400 V) 60 °C 22 A
Rated Short-time Withstand Current Low Withstand Current Low Withstand Current Low Woltage (I _{cw}) at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 300 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 55 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 450 A at 40 °C Ambient	·	(400 V) 11 kW (415 V) 11 kW (440 V) 11 kW (500 V) 11 kW (690 V) 9 kW
Maximum Electrical (AC-1) 600 cycles per hour Switching Frequency Rated Insulation Voltage acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 Voltage (Ui) Rated Impulse 6 kWithstand Voltage (Uimp) Maximum Mechanical 3600 cycles per hour Switching Frequency Rated Control Circuit 50 Hz 250 500 Voltage (Uc) 60 Hz 250 500 Voltage (Uc) Between Coil De-energization and NC Contact Closing 13 98 ms Between Coil De-energization and NC Contact Opening 11 95 ms Between Coil Energization and NC Contact Opening 38 90 ms Between Coil Energization and NC Contact Closing 40 95 ms Between Coil Energization Ene	Withstand Current Low	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 300 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 55 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 450 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 225 A
Rated Insulation Voltage (Ui) Rated Impulse Withstand Voltage (Uimp) Maximum Mechanical Switching Frequency Rated Control Circuit Voltage (Uc) Operate Time Between Coil De-energization and NC Contact Closing 13 98 ms Between Coil Energization and NC Contact Opening 11 95 ms Between Coil Energization and NC Contact Closing 40 95 ms Between Coil Energization and NO Contact Closing 40 95 ms Between Coil Energization and NO Contact Closing 40 95 ms Between Coil Energization and NO Contact Closing 40 95 ms Between Coil Energization and NO Contact Closing 40 95 ms Between Coil Energization and NO Contact Closing 40 95 ms Between Coil Energization and NO Contact Closing 40 95 ms		(AC-1) 600 cycles per hour
Rated Impulse Withstand Voltage (U _{imp}) Maximum Mechanical Switching Frequency Rated Control Circuit Voltage (U _c) Operate Time Between Coil De-energization and NC Contact Closing 13 98 ms Between Coil Energization and NC Contact Opening 11 95 ms Between Coil Energization and NC Contact Closing 40 95 ms Between Coil Energization and NO Contact Closing 40 95 ms Between Coil Energization and NO Contact Closing 40 95 ms Between Coil Energization and NO Contact Closing 40 95 ms	Rated Insulation Voltage	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V
Maximum Mechanical Switching Frequency Rated Control Circuit Voltage (Uc) Operate Time Between Coil De-energization and NC Contact Closing 13 98 ms Between Coil Energization and NC Contact Opening 11 95 ms Between Coil Energization and NC Contact Closing 40 95 ms Between Coil Energization and NO Contact Closing 40 95 ms Between Coil Energization and NO Contact Closing 40 95 ms Between Coil Energization and NO Contact Closing 40 95 ms	Rated Impulse Withstand Voltage (U _{imp}	6 kV
Rated Control Circuit 50 Hz 250 500 V 70 Voltage (Uc) DC Operation 250 500 V 8 DE Operation 250 500 V 8 DE Operation 250 500 V 9 DE Op	Maximum Mechanical	3600 cycles per hour
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 Degree of Protection acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP10	Rated Control Circuit	50 Hz 250 500 V 60 Hz 250 500 V DC Operation 250 500 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
	Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP10 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10

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Terminal Type Ring-Tongue Terminals

Technical UL/CSA

General Use Rating
UL/CSA (600 V AC) 45 A

Environmental

Ambient Air	Close to Contactor for Storage -60 +80 °C
Temperature	Near Contactor for Operation in Free Air -40 70 °C
Climatic Withstand	Category B according to IEC 60947-1 Annex Q
Maximum Operating Altitude Permissible	Without Derating 3000 m
RoHS Status	Following FLI Directive 2011/65/FLI

Certificates and Declarations (Document Number)

CB Certificate	CB_SE-96553
CCC Certificate	CCC_2010010304445623
CQC Certificate	CQC2010010304445623
Declaration of Conformity - CCC	2020980304001254
Declaration of Conformity - CE	1SBD250004U1000
EAC Certificate	EAC_RU C-FR ME77 B03597
Environmental Information	1SBD250165E1000
Instructions and Manuals	1SBC101035M6801
RoHS Information	1SBD250004U1000
UL Certificate	UL_20121126-E319322_4_1
UL Listing Card	UL_E319322

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	87 mm
Package Level 1 Depth / Length	103 mm
Package Level 1 Height	47 mm
Package Level 1 Gross Weight	0.39 kg
Package Level 1 EAN	3471523127241
Package Level 2 Units	box 18 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	14.04 kg
Package Level 3 Units	864 piece

Classifications

Object Classification	Q
Code	

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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	
eClass	V11.0 : 27371003	
UNSPSC	39121529	

Categories

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

