

PRODUCT-DETAILS

AF26ZB-40-00RT-23

AF26ZB-40-00RT-23 100-250V50/60HZ-DC Contactor



General Information

Extended Product Type	AF26ZB-40-00RT-23
Product ID	1SBL236260R2300
EAN	3471523129634

Catalog Description

AF26ZB-40-00RT-23 100-250V50/60HZ-DC Contactor

The AF26ZB-40-00RT-23 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 (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.

Long Description

Ordering	
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Instructions and 1SBC101035M6801 Manuals

Product Net Height	Dimensions	
Length Product Net Height 86 mm Product Net Height 0.33 kg	Product Net Width	45 mm
Technical	Product Net Depth / Length	101 mm
Number of Main Contacts NO	Product Net Height	86 mm
Number of Main Contacts NO Number of Main Contacts NC Number of Auxiliary Contacts NC Standards IEC/EN 60947-1, IEC/EN 60947-4-1, UL 60947-4-1, CSA C222 No. 60947-4-1 IEC 60077-1 (applicable parts), IEC 60077-2 (applicable parts), EN 50155 (applicable parts), IEC 60077-2 (applicable parts), IEC 60077-3 (applicable parts), IEC 6007-3 (applicable	Product Net Weight	0.39 kg
Contacts NO Number of Audiliary Contacts NO Standards IEC/EN 60947-1, IEC/EN 60947-4-1, UE 0947-4-1, UE 0947-4-1, CSA C22.2 No. 60947-4-1 IEC 60077-1 (applicable parts), IEC 60077-2 (applicable parts), EN 50155 (applicable parts), IEC 60047-4-1, UE 60047-2 (applicable parts), EN 50155 (applicable parts), IEC 60047-4-1, UE 60047-2 (applicable parts), EN 50155 (applicable parts), IEC 60047-4-1, UE 60047-2 (applicable parts), IEC 6	 Technical	
Number of Main Contacts NC Number of Main Contacts NC Number of Auxiliary Contacts NO Number of Auxiliary Contacts NO Number of Auxiliary Contacts NO 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 00077-2 (applicab	Number of Main Contacts NO	4
Contacts NO	Number of Main Contacts NC	0
Standards	Number of Auxiliary Contacts NO	0
IEC 600771 (applicable parts), IEC 600772 (applicable parts), IEC 600773 (applicable parts), IEC 600774 (applicable parts)	Number of Auxiliary Contacts NC	0
Voltage Rated Frequency (f) Main Circuit 50 / 60 H. Conventional Free-air acc. to IEC 60947-4-1, Open Contactors q = 40 °C 55 / Thermal Current (Ith) Rated Operational (690 V) 40 °C 45 / G69 V (690 V) 60 °C 40 / G69 V) 60 °C 40 / G69 V) 70 °C 32 / G69 V) 70 °C 10.5 / G69 V) 70 °	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.
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 (690 V) 60 °C 40 A (690 V) 60 °C 40 A (690 V) 70 °C 32 A Rated Operational (415 V) 60 °C 21 A (400 V) 60 °C 20 A (400 V) 60 °C 20 A (400 V) 60 °C 20 A (500 V) 60 °C 10.5 A (690 V) 60 °C 10.5 A (69	Rated Operational Voltage	Main Circuit 690 V
Thermal Current (I _{th}) Rated Operational Current AC-1 (I _e) Rated Operational Current AC-3 (I _e) Rated Operational Rated Operational Rated Operational Rated Operational Power Rated Short-time Rated Short-time Rated Current Low Rated Short-time Rated Current Low Rated Short-time Rated Current Low Rated Current Low Rated Rated Current Low Rated Rated Current Low Rated Rated Rate Rate Rate Rate Rate Rate Rate Rate	Rated Frequency (f)	Main Circuit 50 / 60 Hz
Current AC-1 (le) (690 V) 70 °C 32 A Rated Operational (415 V) 60 °C 20 A Rated Operational (415 V) 60 °C 20 A Current AC-3 (le) (440 V) 60 °C 20 A (690 V) 70 °C 32 A (690 V) 60 °C 17.6 A (690 V) 60 °C 23.2 A Rated Operational Power (400 V) 11 kM (440 V) 11 kM (500 V)	Thermal Current (I _{th})	
Current AC-3 (le) (A44 0 y 6 0 °C 204 (500 V) 60 °C 17.64 (690 V) 60 °C 23.24 (20 / 230 / 240 V) 60 °C 23.24 (22 / 230 / 240 V) 60 °C 23.24 (20 / 230 V) 60 °C 240 V) 60 °C 24	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 Power AC-3 (Pe) (415 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 / 240 V) 5.5 kM (Rated Operational Current AC-3 (I _e)	(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 Woltage (Icw) 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	Rated Operational Power AC-3 (Pe)	(400 V) 11 kw (415 V) 11 kw (440 V) 11 kw (500 V) 11 kw (690 V) 9 kw
Switching Frequency 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 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 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 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 Short-time Withstand Current Low Voltage (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 Temp, in Free Air, from a Cold State 30 s 225 A for 1 s -empty- A
(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	Maximum Electrical Switching Frequency	(AC-1) 600 cycles per hour
Withstand Voltage (U _{imp}) Maximum Mechanical 3600 cycles per hour Switching Frequency Rated Control Circuit 50 Hz 100 250 V Voltage (U _c) 60 Hz 100 250 V DC Operation 100	Rated Insulation Voltage (U _i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V acc. to UL/CSA 600 V
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 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715	Rated Impulse Withstand Voltage (U _{imp})	6 kV
Voltage (Uc) 60 Hz 100 250 V DC Operation 100 250 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	Maximum Mechanical Switching Frequency	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 Mounting on DIN Rail TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715	Rated Control Circuit Voltage (U _c)	50 Hz 100 250 V 60 Hz 100 250 V DC Operation 100 250 V
Mounting on DIN Rail TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715	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
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
Terminal Type	Ring-Tongue Terminals

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

Environmental	
Ambient Air Temperature	Close to Contactor for Storage -60 +80 °C 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 EU Directive 2011/65/EU

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
Declaration of Conformity - UKCA	1SBD250035U1000
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	3471523129634
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

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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

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

