

PRODUCT-DETAILS

# AF38ZB-22-00RT-21

## AF38ZB-22-00RT-21 24-60V50/60HZ 20-60VDC Contactor



### General Information

Extended Product Type	AF38ZB-22-00RT-21
Product ID	1SBL296560R2100
EAN	3471523129214
Catalog Description	AF38ZB-22-00RT-21 24-60V50/60HZ 20-60VDC Contactor
Long Description	The AF38ZB-22-00RT-21 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 55 A (AC-1) or 55 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

### Dimensions

Product Net Width	45 mm
Product Net Depth / Length	101 mm
Product Net Height	86 mm

Product Net Weight	0.39 kg
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## Technical

Number of Main Contacts NO	2
Number of Main Contacts NC	2
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.
Conventional Free-air Thermal Current ( $I_{th}$ )	acc. to IEC 60947-4-1, Open Contactors q = 40 °C 55 A
Rated Operational Current AC-1 ( $I_e$ )	(690 V) 40 °C 55
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 (220 / 230 / 240 V) 60 °C 23.2 A
Rated Operational Power AC-3 ( $P_e$ )	(400 V) 11 kW (415 V) 11 kW (440 V) 11 kW (500 V) 11 kW (690 V) 9 kW (220 / 230 / 240 V) 5.5 kW
Rated Impulse Withstand Voltage ( $U_{imp}$ )	6 kV
Rated Control Circuit Voltage ( $U_c$ )	50 Hz 24 ... 60 V 60 Hz 24 ... 60 V DC Operation 20 ... 60 V
Terminal Type	Ring-Tongue Terminals

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## Technical UL/CSA

General Use Rating UL/CSA	(600 V AC) 55 A
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## 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
RoHS Status	Following EU Directive 2011/65/EU

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## 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
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	0.4 kg
Package Level 1 EAN	3471523129214
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	14.4 kg
Package Level 3 Units	864 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
UNSPSC	39121529

## Categories

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

