




---

 PRODUCT-DETAILS

## AF52B-22-00-12

### AF52B-22-00-12 48-130V50/60HZ-DC Contactor




---

**General Information**

Extended Product Type	AF52B-22-00-12
Product ID	1SBL367561R1200
EAN	3471523025097
Catalog Description	AF52B-22-00-12 48-130V50/60HZ-DC Contactor
Long Description	The AF52B-22-00-12 is a 4 pole - 690 V IEC or 600 UL contactor with screw terminals, controlling motors up to 22 kW / 400 V AC (AC-3) and switching power circuits up to 100 A (AC-1) or 80 A UL general use. Thanks to the AF technology, the contactor has a wide control voltage range (48-130 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

Data Sheet, Technical Information	1SBC100220C0201
Instructions and Manuals	1SBC101047M6801
CAD Dimensional Drawing	2CDC001079B0201

## Dimensions

Product Net Width	70 mm
Product Net Depth / Length	113.5 mm
Product Net Height	125.5 mm
Product Net Weight	1.21 kg

## 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 60947-1, UL 60947-4-1, CSA C22.2 No. 60947-1:22, CSA C22.2 No. 60947-4-1:22, IEC 60077-1 (applicable parts), IEC 60077-2 (applicable parts), EN 50155 (applicable parts), 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 Operational Current AC-1 ( $I_e$ )	(690 V) 40 °C 100 A (690 V) 60 °C 80 A (690 V) 70 °C 70 A
Rated Operational Current AC-3 ( $I_e$ )	(415 V) 60 °C 53 A (440 V) 60 °C 53 A (500 V) 60 °C 45 A (690 V) 60 °C 35 A (380 / 400 V) 60 °C 53 A (220 / 230 / 240 V) 60 °C 53 A
Rated Operational Power AC-3 ( $P_e$ )	(415 V) 30 kW (440 V) 30 kW (500 V) 30 kW (690 V) 30 kW (380 / 400 V) 22 kW (220 / 230 / 240 V) 15 kW
Rated Control Circuit Voltage ( $U_c$ )	50 Hz 48 ... 130 V DC Operation 48 ... 130 V
Coil Consumption	Average Holding Value 50 / 60 Hz 4 V·A Average Holding Value DC 2 W
Terminal Type	Screw Terminals

## Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V
----------------------------------	--------------------

**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
Shock and Vibration Withstand acc. to IEC 61373	Category 1, Class B

**Material Compliance**

REACH Declaration	2CMT2021-006202
RoHS Information	2CMT2021-006277
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006525
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

**Circular Value**

ABB EcoSolutions	No
End of Life Instructions	1SBC101081M6801

**Eco Transparency**

Environmental Product Declaration - EPD	1SBD250584E1000
---	-----------------

**Certificates and Declarations**

CB Certificate	CB_SE-113324
Declaration of Conformity - CE	1SBD250002U1000
UL Certificate	UL-US-L312527-1142-02114102-6 UL-CA-L312527-4142-02114102-6

**Container Information**

Package Level 1 Units	box 1 piece
Package Level 1 Width	150 mm
Package Level 1 Depth / Length	150 mm
Package Level 1 Height	103 mm
Package Level 1 Gross Weight	1.32 kg
Package Level 1 EAN	3471523025097
Package Level 2 Units	box 8 piece
Package Level 2 Width	250 mm
Package Level 2 Depth / Length	300 mm

Package Level 2 Height	300 mm
Package Level 2 Gross Weight	10.56 kg

---

---

## Classifications

---

Object Classification Code	Q
ETIM 7	EC000066 - Power contactor, AC switching
ETIM 8	EC000066 - Power contactor, AC switching
ETIM 9	EC000066 - Power contactor, AC switching
eClass	V11.0 : 27371003
UNSPSC	39121529

---

---

## Categories

---

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → AF Contactors → AF52

