

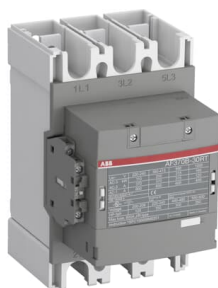



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 PRODUCT-DETAILS

# AF370B-30-22RT-13

## AF370B-30-22RT-13 Contactor




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**General Information**

|                       |                             |
|-----------------------|-----------------------------|
| Extended Product Type | AF370B-30-22RT-13           |
| Product ID            | 1SFL607062R1322             |
| EAN                   | 7320500510056               |
| Catalog Description   | AF370B-30-22RT-13 Contactor |

|                  |  |
|------------------|--|
| Long Description | <p>The AF370B-30-22RT-13 is a 3 pole - 1000 V IEC or 600 V UL contactor with pre-mounted auxiliary contacts and ring tongue ferrules, controlling motors up to 200 kW / 400 V AC (AC-3) or 300 hp / 480 V UL and switching power circuits up to 600 A (AC-1) or 520 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 <a href="#">accessories</a>.</p> |
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**Ordering**

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85364900 |

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**Popular Downloads**

|                                   |                        |
|-----------------------------------|------------------------|
| Data Sheet, Technical Information | 1SBC100214C0202        |
| Instructions and Manuals          | 1SFC100008M0201        |
| CAD Dimensional Drawing           | 2CDC001079B0201        |
| <u>Dimension Diagram</u>          | <u>1SFB535001G1060</u> |

**Dimensions**

|                            |        |
|----------------------------|--------|
| Product Net Width          | 140 mm |
| Product Net Depth / Length | 180 mm |
| Product Net Height         | 225 mm |
| Product Net Weight         | 3.9 kg |

**Technical**

|   |  |
|---|--|
| Number of Main Contacts NO                                  | 3  |
| Number of Main Contacts NC                                  | 0  |
| Number of Auxiliary Contacts NO                             | 2  |
| Number of Auxiliary Contacts NC                             | 2  |
| 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.   |
| Rated Operational Voltage                                   | Main Circuit 1000 V  |
| Rated Operational Current AC-1 ( $I_e$ )                    | (1000 V) 40 °C 400 A<br>(1000 V) 60 °C 350 A<br>(1000 V) 70 °C 290 A<br>(690 V) 40 °C 600 A<br>(690 V) 60 °C 500 A<br>(690 V) 70 °C 400 A  |
| Rated Operational Current AC-3 ( $I_e$ )                    | (415 V) 55 °C 370 A<br>(440 V) 55 °C 370 A<br>(500 V) 55 °C 350 A<br>(690 V) 55 °C 315 A<br>(1000 V) 55 °C 100 A<br>(380 / 400 V) 55 °C 370 A<br>(220 / 230 / 240 V) 55 °C 370 A   |
| Rated Operational Power AC-3 ( $P_e$ )                      | (415 V) 200 kW<br>(440 V) 200 kW<br>(500 V) 250 kW<br>(690 V) 315 kW<br>(1000 V) 132 kW<br>(380 / 400 V) 200 kW<br>(220 / 230 / 240 V) 110 kW  |
| Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ ) | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 2960 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 600 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 1208 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 3700 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 1709 A   |
| Rated Operational Current DC-1 ( $I_e$ )                    | (100 V) 1 Pole, 40 °C 520 A<br>(100 V) 1 Pole, 60 °C 500 A<br>(100 V) 1 Pole, 70 °C 400 A<br>(110 V) 1-Pole, 40 °C 520 A<br>(110 V) 1-Pole, 60 °C 500 A<br>(110 V) 1-Pole, 70 °C 400 A<br>(110 V) 2 Poles in Series, 40 °C 520 A<br>(110 V) 2 Poles in Series, 60 °C 500 A<br>(110 V) 2 Poles in Series, 70 °C 400 A<br>(110 V) 3 Poles in Series, 40 °C 520 A<br>(110 V) 3 Poles in Series, 60 °C 500 A<br>(110 V) 3 Poles in Series, 70 °C 400 A<br>(175 V) 2 Poles in Series, 40 °C 520 A |

(175 V) 2 Poles in Series, 60 °C 500 A  
 (175 V) 2 Poles in Series, 70 °C 400 A  
 (200 V) 2 Poles in Series, 40 °C 520 A  
 (200 V) 2 Poles in Series, 60 °C 500 A  
 (200 V) 2 Poles in Series, 70 °C 400 A  
 (220 V) 2 Poles in Series, 40 °C 520 A  
 (220 V) 2 Poles in Series, 60 °C 500 A  
 (220 V) 2 Poles in Series, 70 °C 400 A  
 (220 V) 3 Poles in Series, 40 °C 520 A  
 (220 V) 3 Poles in Series, 60 °C 500 A  
 (220 V) 3 Poles in Series, 70 °C 400 A  
 (260 V) 3 Poles in Series, 40 °C 520 A  
 (260 V) 3 Poles in Series, 60 °C 500 A  
 (260 V) 3 Poles in Series, 70 °C 400 A  
 (300 V) 3 Poles in Series, 40 °C 520 A  
 (300 V) 3 Poles in Series, 60 °C 500 A  
 (300 V) 3 Poles in Series, 70 °C 400 A  
 (340 V) 3 Poles in Series, 40 °C 520 A  
 (340 V) 3 Poles in Series, 60 °C 500 A  
 (340 V) 3 Poles in Series, 70 °C 400 A  
 (72 V) 1-Pole, 40 °C 520 A  
 (72 V) 1-Pole, 60 °C 500 A  
 (72 V) 1-Pole, 70 °C 400 A  
 (72 V) 2 Poles in Series, 40 °C 520 A  
 (72 V) 2 Poles in Series, 60 °C 500 A  
 (72 V) 2 Poles in Series, 70 °C 400 A  
 (72 V) 3 Poles in Series, 40 °C 520 A  
 (72 V) 3 Poles in Series, 60 °C 500 A  
 (72 V) 3 Poles in Series, 70 °C 400 A  
 (90 V) 1 Pole, 40 °C 520 A  
 (90 V) 1 Pole, 60 °C 500 A  
 (90 V) 1 Pole, 70 °C 400 A

Rated Operational Current  
 DC-3 (I<sub>e</sub>)

(110 V) 2 Poles in Series, 40 °C 450 A  
 (110 V) 2 Poles in Series, 60 °C 450 A  
 (110 V) 2 Poles in Series, 70 °C 400 A  
 (110 V) 3 Poles in Series, 40 °C 450 A  
 (110 V) 3 Poles in Series, 60 °C 450 A  
 (110 V) 3 Poles in Series, 70 °C 400 A  
 (220 V) 3 Poles in Series, 40 °C 450 A  
 (220 V) 3 Poles in Series, 60 °C 450 A  
 (220 V) 3 Poles in Series, 70 °C 400 A  
 (72 V) 2 Poles in Series, 40 °C 450 A  
 (72 V) 2 Poles in Series, 60 °C 450 A  
 (72 V) 2 Poles in Series, 70 °C 400 A  
 (72 V) 3 Poles in Series, 40 °C 450 A  
 (72 V) 3 Poles in Series, 60 °C 450 A  
 (72 V) 3 Poles in Series, 70 °C 400 A

Rated Operational Current  
 DC-5 (I<sub>e</sub>)

(110 V) 2 Poles in Series, 40 °C 450 A  
 (110 V) 2 Poles in Series, 60 °C 450 A  
 (110 V) 2 Poles in Series, 70 °C 400 A  
 (110 V) 3 Poles in Series, 40 °C 450 A  
 (110 V) 3 Poles in Series, 60 °C 450 A  
 (110 V) 3 Poles in Series, 70 °C 400 A  
 (220 V) 3 Poles in Series, 40 °C 450 A  
 (220 V) 3 Poles in Series, 60 °C 450 A  
 (220 V) 3 Poles in Series, 70 °C 400 A  
 (72 V) 2 Poles in Series, 40 °C 450 A  
 (72 V) 2 Poles in Series, 60 °C 450 A  
 (72 V) 2 Poles in Series, 70 °C 400 A  
 (72 V) 3 Poles in Series, 40 °C 450 A  
 (72 V) 3 Poles in Series, 60 °C 450 A  
 (72 V) 3 Poles in Series, 70 °C 400 A

Mechanical Durability 5 million

Maximum Mechanical Switching Frequency 300 cycles per hour

Rated Control Circuit Voltage (U<sub>c</sub>) 50 Hz / 60 Hz 100 ... 250 V  
 DC Operation 100 ... 250 V

Coil Consumption Holding at Max. Rated Control Circuit Voltage 50 Hz 17.5 V·A  
 Holding at Max. Rated Control Circuit Voltage 60 Hz 17.5 V·A  
 Pull-in at Max. Rated Control Circuit Voltage 50 Hz 385 V·A  
 Pull-in at Max. Rated Control Circuit Voltage 60 Hz 385 V·A  
 Pull-in at Max. Rated Control Circuit Voltage DC 410 W

Terminal Type Main Circuit: Bars

**Technical UL/CSA**

|                              |  |
|------------------------------|--|
| General Use Rating<br>UL/CSA | (600 V AC) 520 A   |
| Horsepower Rating<br>UL/CSA  | (200 ... 208 V AC) Three Phase 125 hp<br>(220 ... 240 V AC) Three Phase 150 hp<br>(440 ... 480 V AC) Three Phase 300 hp<br>(550 ... 600 V AC) Three Phase 350 hp |

### Material Compliance

|   |  |
|---|--|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658  |
| REACH Declaration                           | 2CMT2021-006202  |
| RoHS Information                            | 2CMT2021-006277  |
| RoHS Status                                 | Following EU Directive 2011/65/EU                          |
| 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) |

### ABB EcoSolutions

|   |  |
|---|--|
| ABB EcoSolutions                              | Yes  |
| Environmental Product Declaration - EPD       | 1SFC100104D0201  |
| Circular Design Principles Recyclability Rate | Design for Closing Resource Loops - Standard EN45555 - 76.3 %  |
| Sustainable Material Content                  | Recycled Metal - 33 %  |
| Group Waste to Landfill Target                | Non-hazardous waste is sent to a landfill, where there is no alternative option available within 100km of a facility                     |
| Improved Resource Efficiency for Customers    | Product Efficiency - Product considered more energy-efficient compared to similar product on market or older products from the same line |
| End of Life Instructions                      | 1SFC100112M0002  |

### Certificates and Declarations

|                                  |                     |
|----------------------------------|---------------------|
| A2L Certificate - UL             | 9AKK108468A6695     |
| CB Certificate                   | SE-89316            |
| CQC Certificate                  | CQC2014010304676670 |
| Declaration of Conformity - CCC  | 2020980304001305    |
| Declaration of Conformity - CE   | 2CMT2015-005440     |
| Declaration of Conformity - UKCA | 2CMT2020-006124     |
| EAC Certificate                  | 9AKK107046A8618     |
| UR Certificate                   | 20150602-E36588 2   |

### Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 263 mm        |
| Package Level 1 Depth / Length | 203 mm        |
| Package Level 1 Height         | 289 mm        |
| Package Level 1 Gross Weight   | 4.6 kg        |
| Package Level 1 EAN            | 7320500510056 |

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## Classifications

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|                                    |  |
|------------------------------------|--|
| 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                                 |
| IDEA Granular Category Code (IGCC) | 4755 >> Contactors                       |

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## Categories

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Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → AF Contactors → AF370

