PRODUCT-DETAILS

AF370B-30-22RT-11

AF370B-30-22RT-11 Contactor

General Information

Extended Product Type	AF370B-30-22RT-11
Product ID	1SFL607062R1122
EAN	7320500510315
Catalog Description	AF370B-30-22RT-11 Contactor
Long Description	The AF370B-30-22RT-11 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 (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

Popular Downloads

Data Sheet, Technical Information	1SBC100214C0202
Instructions and Manuals	1SFC100008M0201
CAD Dimensional Drawing	2CDC001079B0201
Dimension Diagram	1SFB535001G1060

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 (1000 V) 60 °C 350 A (1000 V) 70 °C 290 A (690 V) 40 °C 600 A (690 V) 60 °C 500 A (690 V) 70 °C 400 A
Rated Operational Current AC-3 (I_e)	(415 V) 55 °C 370 A (440 V) 55 °C 370 A (500 V) 55 °C 350 A (690 V) 55 °C 315 A (1000 V) 55 °C 100 A (380 / 400 V) 55 °C 370 A (220 / 230 / 240 V) 55 °C 370 A
Rated Operational Power AC-3 (P_e)	(415 V) 200 kW (440 V) 200 kW (500 V) 250 kW (690 V) 315 kW (1000 V) 132 kW (380 / 400 V) 200 kW (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 at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 600 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 1208 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 3700 A 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 (100 V) 1 Pole, 60 °C 500 A (100 V) 1 Pole, 70 °C 400 A (110 V) 1-Pole, 40 °C 520 A (110 V) 1-Pole, 60 °C 500 A (110 V) 1-Pole, 70 °C 400 A (110 V) 2 Poles in Series, 40 °C 520 A (110 V) 2 Poles in Series, 60 °C 500 A (110 V) 2 Poles in Series, 70 °C 400 A (110 V) 3 Poles in Series, 40 °C 520 A (110 V) 3 Poles in Series, 60 °C 500 A (110 V) 3 Poles in Series, 70 °C 400 A (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_e)	(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_e)	(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_c)	50 Hz / 60 Hz 24 ... 60 V DC Operation 20 ... 60 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 8.5 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 8.5 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 475 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 475 V·A Pull-in at Max. Rated Control Circuit Voltage DC 400 W
Terminal Type	Main Circuit: Bars

Technical UL/CSA

General Use Rating UL/CSA	(600 V AC) 520 A
Horsepower Rating UL/CSA	(200 ... 208 V AC) Three Phase 125 hp (220 ... 240 V AC) Three Phase 150 hp (440 ... 480 V AC) Three Phase 300 hp (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	7320500510315

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
IDEA Granular Category Code (IGCC)	4755 >> Contactors

Categories

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

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