

PRODUCT-DETAILS

Ordering

AF116B-30-22-12

AF116B-30-22-12 Contactor



General Information	
Extended Product Type	AF116B-30-22-12
Product ID	1SFL427063R1222
EAN	7320500511497
Catalog Description	AF116B-30-22-12 Contactor
Long Description	The AF116B-30-22-12 is a 3 pole - 1000 V IEC or 600 V UL contactor with pre-mounted auxiliary contacts and standard ferrules, controlling motors up to 55 kW / 400 V AC (AC-3) or 75 hp / 480 V UL and switching power circuits up to 160 A (AC-1) or 160 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.

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900
Popular Downloads	
Data Sheet, Technical	1SBC100192C0204
Information	
Instructions and	1SFC100003M0201
Manuals	

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Dimensions	
Product Net Width	90 mr
Product Net Depth / Length	126 mr
Product Net Height	150 mr
Product Net Weight	1.55 kg
Technical	
Number of Main Contacts NO	
Number of Main Contacts NC	
Number of Auxiliary Contacts NO	
Number of Auxiliary Contacts NC	
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 Current AC-1 (I _e)	(690 V) 40 °C 160 (690 V) 60 °C 145 A (690 V) 70 °C 130
Rated Operational Current AC-3 (I _e)	(415 V) 55 °C 116 A (440 V) 55 °C 116 A (500 V) 55 °C 110 A (690 V) 55 °C 65 A (380 / 400 V) 55 °C 116 A (220 / 230 / 240 V) 55 °C 116 A
Rated Operational Power AC-3 (P _e)	(415 V) 55 kV (440 V) 75 kV (500 V) 75 kV (690 V) 55 kV (380 / 400 V) 55 kV (220 / 230 / 240 V) 30 kV
Rated Short-time Withstand Current (I _{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 928 <i>l</i> at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 160 <i>l</i> at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 379 <i>l</i> at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1300 <i>l</i> at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 536 <i>l</i>
Mechanical Durability	5 million
Maximum Mechanical Switching Frequency	300 cycles per hou
Rated Control Circuit Voltage (U _c)	50 Hz / 60 Hz 48 130 \ DC Operation 48 130 \
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 4 V-/ Holding at Max. Rated Control Circuit Voltage 60 Hz 4 V-/ Pull-in at Max. Rated Control Circuit Voltage 50 Hz 170 V-/ Pull-in at Max. Rated Control Circuit Voltage 60 Hz 170 V-/ Pull-in at Max. Rated Control Circuit Voltage DC 130 V
Terminal Type	Main Circuit: Bar
Technical UL/CSA	
General Use Rating	(600 V AC) 160 A

Environmental

RoHS Status Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)	
CB Certificate	SEMKO_SE-70479M1
CCC Certificate	2013010304604055
CQC Certificate	CQC2013010304604055
cUL Certificate	20120925-E36588
Declaration of Conformity - CCC	2020980304001304
Declaration of Conformity - CE	2CMT2015-005440
EAC Certificate	9AKK107046A8618
Instructions and Manuals	1SFC100003M0201
RoHS Information	2CMT2015-005440

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	207 mm
Package Level 1 Depth / Length	216 mm
Package Level 1 Height	150 mm
Package Level 1 Gross Weight	1.75 kg
Package Level 1 EAN	7320500511497

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
eClass	V11.0 : 27371003
UNSPSC	39121529
IDEA Granular Category Code (IGCC)	4755 >> Contactors

Categories

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