

# AF09-22-00-11

## General Information

<b>Extended Product Type:</b>	AF09-22-00-11
<b>Product ID:</b>	1SBL137501R1100
<b>EAN:</b>	3471523116214
<b>Catalog Description:</b>	AF09-22-00-11 24-60V50/60HZ 20-60VDC Contactor
<b>Long Description:</b>	<p>AF09 4-pole contactors are used for controlling power circuits up to 690 V AC and 440 V DC. They are mainly used for controlling non-inductive or slightly inductive loads (i.e. resistance furnaces...).</p> <p>AF... contactors include an electronic coil interface accepting a wide control voltage <math>U_c \text{ min.} \dots U_c \text{ max.}</math> Only four coils cover control voltages between 24...500 V 50/60 Hz or 20...500 V DC. AF contactors can manage large control voltage variations. One coil can be used for different control voltages used worldwide without any coil change. AF contactors have built-in surge protection and do not require additional surge suppressors. The AF... series 4-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 2 N.O. + 2 N.C. main poles, front and side-mounted add-on auxiliary contact blocks (mechanically-linked auxiliary contacts compliant with Annex L of IEC 60947-5-1. N.C. mirror contacts compliant with Annex F of IEC 60947-4-1) - Control circuit: AC or DC operated - Accessories: a wide range of accessories is available. Note: - AF...-...-11 not suitable for a direct control by PLC-output. - AF...-...-11 type available in some countries: please consult your ABB representative.</p>



## Categories

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

## Ordering

<b>EAN:</b>	3471523116214
<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85369085

## Dimensions

<b>Product Net Width:</b>	45.0 mm
<b>Product Net Depth:</b>	77.0 mm
<b>Product Net Height:</b>	86.0 mm
<b>Product Net Weight:</b>	0.270 kg

## Container Information

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Package Level 1 Units:	1 piece
Package Level 1 Width:	87 mm
Package Level 1 Length:	79 mm
Package Level 1 Height:	47 mm
Package Level 1 Gross Weight:	0.27000 kg
Package Level 1 EAN:	3471523116214
Package Level 2 Units:	54 piece
Package Level 3 Units:	1296 piece

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## Environmental

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Ambient Air Temperature:	Close to Contactor for Storage -60...+80 °C Near Contactor for Operation in Free Air -40...+70 °C
Maximum Operating Altitude Permissible:	3000 m
Resistance to Shock acc. to IEC 60068-2-27:	Closed, Shock Direction: B1 25 g Open, Shock Direction: B1 5 g Shock Direction: A 30 g Shock Direction: B2 15 g Shock Direction: C1 25 g Shock Direction: C2 25 g
Resistance to Vibrations acc. to IEC 60068-2-6:	5...300 Hz 4 g closed position / 2 g open position
RoHS Status:	Planned to follow EU Directive 2002/95/EC August 18, 2005 and amendment after 2008 Q1

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## Technical

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Rated Operational Power AC-3 ( $P_e$ ):	(220 / 230 / 240V) 2.2 kW (380 / 400V) 4 kW (415V) 4 kW (440V) 4 kW (500V) 5.5 kW (690V) 5.5 kW (400V) 4 kW
Rated Operational Current AC-1 ( $I_e$ ):	(690V) 40°C 25 A (690V) 60°C 25 A (690V) 70°C 22 A
Number of Main Contacts NO:	2
Number of Main Contacts NC:	2
Number of Auxiliary Contacts NO:	0
Number of Auxiliary Contacts NC:	0
Rated Control Circuit Voltage ( $U_c$ ):	50 Hz 24...60 V 60 Hz 24...60 V DC Operation 20...60 V
Terminal Type:	Screw Terminals

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## Technical UL/CSA

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Tightening Torque UL/CSA:	Control Circuit 11 in·lb Main Circuit 13 in·lb
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## Certificates and Declarations (Document Number)

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CB Certificate:	CB_SE_70857M1
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<b>CCC Certificate:</b>	CCC_2010010304445624
<b>cUL Certificate:</b>	UL_20100802-E319322-3-1
<b>Declaration of Conformity - CE:</b>	1SBD250168C1000
<b>DNV Certificate:</b>	DNV_E12810
<b>EAC Certificate:</b>	EAC_RU C-FR ME77 B01010
<b>GL Certificate:</b>	GL_3786412HH
<b>GOST Certificate:</b>	GOST_POCCFR.ME77.B07175.pdf
<b>LR Certificate:</b>	LRS_1300087
<b>RINA Certificate:</b>	RINA_ELE084013XG
<b>RoHS Information:</b>	1SBD251011E1000

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## **Classifications**

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<b>E-nummer:</b>	3211407
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