

# AF09-30-10-11

## General Information

|                               |   |
|-------------------------------|---|
| <b>Extended Product Type:</b> | AF09-30-10-11   |
| <b>Product ID:</b>            | 1SBL137001R1110   |
| <b>EAN:</b>                   | 3471523110014   |
| <b>Catalog Description:</b>   | AF09-30-10-11 24-60V50/60HZ 20-60VDC Contactor  |
| <b>Long Description:</b>      | <p>AF09 contactors are used for controlling power circuits up to 690 V AC and 220 V DC. They are mainly used for controlling 3-phase motors, non-inductive or slightly inductive loads. AF... contactors include an electronic coil interface accepting a wide control voltage <math>U_c</math> min. ... <math>U_c</math> max. 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 1-stack 3-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 3 main poles, 1 built-in auxiliary contact, 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...-30-...-11 not suitable for a direct control by PLC-output. AF...-30-...-11 contactor 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>                    | 3471523110014 |
| <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:          | 3471523110014 |
| Package Level 2 Units:        | 54 piece      |
| Package Level 3 Units:        | 1296 piece    |

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## Environmental

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| <b>Ambient Air Temperature:</b>                        | Close to Contactor for Storage -60...+80 °C<br>Close to Contactor Fitted with Thermal O/L Relay -25...+60 °C<br>Close to Contactor without Thermal O/L Relay -40...+70 °C        |
| <b>Maximum Operating Altitude Permissible:</b>         | 3000 m   |
| <b>Resistance to Shock acc. to IEC 60068-2-27:</b>     | Closed, Shock Direction: B1 25 g<br>Open, Shock Direction: B1 5 g<br>Shock Direction: A 30 g<br>Shock Direction: B2 15 g<br>Shock Direction: C1 25 g<br>Shock Direction: C2 25 g |
| <b>Resistance to Vibrations acc. to IEC 60068-2-6:</b> | 5...300 Hz 4 g closed position / 2 g open position   |
| <b>RoHS Status:</b>                                    | 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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| <b>Rated Operational Power AC-3 (<math>P_e</math>):</b>   | (220 / 230 / 240V) 2.2 kW<br>(380 / 400V) 4 kW<br>(415V) 4 kW<br>(440V) 4 kW<br>(500V) 5.5 kW<br>(690V) 5.5 kW |
| <b>Rated Operational Current AC-1 (<math>I_e</math>):</b> | (690V) 40°C 25 A<br>(690V) 60°C 25 A<br>(690V) 70°C 22 A   |
| <b>Number of Main Contacts NO:</b>                        | 3  |
| <b>Number of Main Contacts NC:</b>                        | 0  |
| <b>Number of Auxiliary Contacts NO:</b>                   | 1  |
| <b>Number of Auxiliary Contacts NC:</b>                   | 0  |
| <b>Rated Control Circuit Voltage (<math>U_c</math>):</b>  | 50 Hz 24...60 V<br>60 Hz 24...60 V<br>DC Operation 20...60 V   |
| <b>Terminal Type:</b>                                     | Screw Terminals  |

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## Technical UL/CSA

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| <b>Tightening Torque UL/CSA:</b> | Auxiliary Circuit 11 in·lb<br>Control Circuit 11 in·lb<br>Main Circuit 13 in·lb |
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## Certificates and Declarations (Document Number)

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| <b>CB Certificate:</b>                 | CB_SE_70855M1               |
| <b>CCC Certificate:</b>                | CCC_2010010304445624        |
| <b>cUL Certificate:</b>                | UL_20091124-E312527-7-1     |
| <b>Declaration of Conformity - CE:</b> | 1SBD250164C3000             |
| <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>               | 1SBD251013E1000             |

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## Classifications

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| <b>E-nummer:</b> | 3210016 |
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