

# AF16Z-30-10-21

## General Information

<b>Extended Product Type:</b>	AF16Z-30-10-21
<b>Product ID:</b>	1SBL176001R2110
<b>EAN:</b>	3471523113817
<b>Catalog Description:</b>	AF16Z-30-10-21 24-60V50/60HZ 20-60VDC Contactor
<b>Long Description:</b>	<p>AF16Z 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..Z 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...250 V 50/60 Hz or 12...250 V DC. AF..Z contactors can manage large control voltage variations. One coil can be used for different control voltages used worldwide without any coil change. AF..Z contactors allow direct control by PLC-output <math>\geq 24</math> V DC 500 mA and obtain a reduced holding coil consumption. AF..Z contactors withstand short voltage dips and voltage sags (SEMI F47-0706 compliance) between 24...250 V 50/60 Hz AF..Z 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.</p>



## Categories

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

## Ordering

<b>EAN:</b>	3471523113817
<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

**Product Net Weight:** 0.310 kg

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## 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:** 0.330 kg  
**Package Level 1 EAN:** 3471523113817  
**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  
Close to Contactor Fitted with Thermal O/L Relay -25...+60 °C  
Close to Contactor without Thermal O/L Relay -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) 4 kW  
(380 / 400V) 7.5 kW  
(415V) 9 kW  
(440V) 9 kW  
(500V) 9 kW  
(690V) 9 kW

**Rated Operational Current AC-1 ( $I_e$ ):** (690V) 40°C 30 A  
(690V) 60°C 30 A  
(690V) 70°C 26 A

**Number of Main Contacts NO:** 3  
**Number of Main Contacts NC:** 0  
**Number of Auxiliary Contacts NO:** 1  
**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:** Auxiliary Circuit 11 in·lb  
Control Circuit 11 in·lb  
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>	3211368
<b>UNSPSC:</b>	39121529

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