## Automatización Eléctrica

Especialistas en Automatizacion

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking HERE

General Information

Extended Product Type:
Product ID:
EAN:
Catalog Description:
Long Description:

## AF09Z-30-01-20 <br> 1SBL136001R2001 <br> 3471523113305

AF09Z-30-01-20 12-20VDC Contactor
AF09Z 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 Uc min. ... Uc max. Only four coils cover control voltages between $24 \ldots 250 \mathrm{~V} 50 / 60 \mathrm{~Hz}$ or $12 . . .250 \mathrm{~V}$ 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 $\geq 24 \mathrm{~V}$ 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 $24 . . .250 \mathrm{~V} 50 / 60 \mathrm{~Hz}$ AF.. Z contactors have built-in surge protection and do not require additional surge suppressors The AF... series 1 -stack 3pole 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: DC operated for AF..Z-30-..-20 contactors. Only AF..Z-30-..-20 contactors need to respect the polarity on the coil terminals (A1+ and A2-). - Accessories: a wide range of accessories is available.

## Categories

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

| EAN: | 3471523113305 |
| :--- | :--- |
| Minimum Order Quantity: | 1 piece |
| Customs Tariff Number: | 85369085 |
| Dimensions |  |
| Product Net Width: | 45 mm |
| Product Net Depth: | 77 mm |
| Product Net Height: | 86 mm |
| Product Net Weight: | 0.310 kg |

Container Information

| 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: | 0.31 kg |
| Package Level 1 EAN: | 3471523113305 |
| Package Level 2 Units: | 54 piece |
| Package Level 2 Width: | 250 mm |
| Package Level 2 Length: | 300 mm |
| Package Level 2 Height: | 315 mm |
| Package Level 3 Units: | 1296 piece |

## Technical

| Number of Main Contacts NO: | 3 |
| :---: | :---: |
| Number of Main Contacts NC: | 0 |
| Number of Auxiliary Contacts NO: | 0 |
| Number of Auxiliary Contacts NC: | 1 |
| Standards: | IEC 60947-1 / 60947-4-1 and EN 60947-1 / 60947-4-1, UL 508, CSA C22.2 N¹4 |
| Rated Operational Voltage: | Auxiliary Circuit 690 V Main Circuit 690 V |
| Rated Frequency (f): | Auxiliary Circuit $50 / 60 \mathrm{~Hz}$ <br> Main Circuit $50 / 60 \mathrm{~Hz}$ |
| Conventional Free-air Thermal Current (Ith): | acc. to IEC 60947-4-1, Open Contactors $q=40^{\circ} \mathrm{C} 35 \mathrm{~A}$ acc. to IEC 60947-5-1, $q=40^{\circ} \mathrm{C} 16 \mathrm{~A}$ |

Rated Operational Current AC-1 (le): ( 690 V ) $40^{\circ} \mathrm{C} 25 \mathrm{~A}$
( 690 V) $60^{\circ} \mathrm{C} 25 \mathrm{~A}$
( 690 V ) $70^{\circ} \mathrm{C} 22 \mathrm{~A}$
Rated Operational Current AC-3 ( $\mathrm{l}_{\mathrm{e}}$ ): (220/230/240 V) $60^{\circ} \mathrm{C} 9$ A
$\left.\begin{array}{ll} & \\ & \\ & (380 / 400 \mathrm{~V}) 60{ }^{\circ} \mathrm{C} 9 \mathrm{~A} \\ & (415 \mathrm{~V}) 60{ }^{\circ} \mathrm{C} 9 \mathrm{~A} \\ & (440 \mathrm{~V}) 60^{\circ} \mathrm{C} 9 \mathrm{~A} \\ & (500 \mathrm{~V}) 60{ }^{\circ} \mathrm{C} 9.5 \mathrm{~A}\end{array}\right)$

## Permissible:

| Resistance to Shock acc. to IEC 60068-2-27: | 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 |
| :---: | :---: |
| Resistance to Vibrations acc. to IEC 60068-2-6: | $5 . .300 \mathrm{~Hz} 4 \mathrm{~g}$ closed position / 2 g open position |
| RoHS Status: | Planned to follow EU Directive 2002/95/EC August 18, 2005 and amendment after 2008 Q1 |
| Technical UL/CSA |  |
| General Use Rating UL/CSA: | (600 V AC) 25 A |
| Horsepower Rating ULICSA: | (120 V AC) Single Phase $3 / 4 \mathrm{Hp}$ (240 V AC) Single Phase 1-1/2 Hp (200 ... 208 V AC) Three Phase 2 Hp (220 ... 240 V AC) Three Phase 2 Hp (440 ... 480 V AC) Three Phase 5 Hp ( 550 ... 600 V AC) Three Phase $7-1 / 2 \mathrm{Hp}$ |
| Tightening Torque ULCSA: | Auxiliary Circuit 11 in lb Control Circuit $11 \mathrm{in} \cdot \mathrm{lb}$ Main Circuit 13 in $\cdot \mathrm{lb}$ |

Certificates and Declarations (Document Number)

| ABS Certificate: | ABS_15-GE1349500-PDA_90682247 |
| :--- | :--- |
| CB Certificate: | CB_SE_70855M1 |
| CCC Certificate: | CCC_2010010304445624 |
| cUL Certificate: | UL_20091124-E312527-7-1 |
| Declaration of Conformity - CE: | 1SBD250164C3000 |
| DNV Certificate: | DNV-GL_E13871 |
| EAC Certificate: | EAC_RU C-FR ME77 B01010 |
| GL Certificate: | DNV-GL_E13871 |
| GOST Certificate: | GOST_POCCFR.ME77.B07175.pdf |
| LR Certificate: | LRS_1300087E1 |
| RINA Certificate: | RINA_ELE084013XG |
| RMRS Certificate: | RMRS_1400682124 |
| RoHS Information: | 1SBD251013E1000 |

Classifications

| ETIM 5: |
| :--- |
| UNSPSC: |

EC000066 - Magnet contactor, AC-switching
39121529

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, click on the green button.

| Product | Code | Reference | Product link |
| :--- | :--- | :--- | :--- | :--- |
| AF09Z-30-01-20 12-20VDC Contactor | 1SBL136001R2001 | AF09Z-30-01-20 | Buy on EAN |

