

PRODUCT-DETAILS

AF52-30-00-14

AF52-30-00-14 250-500V50/60HZ-DC

Contactador



Información General

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| Tipo de producto extendido | AF52-30-00-14 |
| Código de producto | 1SBL367001R1400 |
| EAN | 3471523132344 |
| Descripción corta | AF52-30-00-14 250-500V50/60HZ-DC Contactador |

Descripción larga

The AF52-30-00-14 is a 3 pole - 690 V IEC or 600 UL contactor with screw terminals, controlling motors up to 22 kW / 400 V AC (AC-3) or 40 hp / 480 V UL and switching power circuits up to 100 A (AC-1) or 80 A UL general use. Thanks to the AF technology, the contactor has a wide control voltage range (250-500 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.

Clasificación

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| Cantidad mínima de pedido | 1 piece |
| Código arancelario | 85364900 |

Descargas Populares

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| Instrucciones y manuales | 1SBC101036M6801 |
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Dimensiones

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| Ancho del product | 55 mm |
| Largo del product | 111 mm |
| Alto del producto | 125.5 mm |
| Peso del product | 0.95 kg |

Technical

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| Number of Main Contacts NO | 3 |
| Number of Main Contacts NC | 0 |
| Number of Auxiliary Contacts NO | 0 |
| Number of Auxiliary Contacts NC | 0 |
| Rated Operational Voltage | Main Circuit 690 V |
| Rated Frequency (f) | Main Circuit 50 / 60 Hz |
| Conventional Free-air Thermal Current (I _{th}) | acc. to IEC 60947-4-1, Open Contactors q = 40 °C 105 A |
| Rated Operational Current AC-1 (I _e) | (690 V) 40 °C 100 A (690 V) 60 °C 80 A (690 V) 70 °C 70 A |
| Rated Operational Current AC-3 (I _e) | (415 V) 60 °C 53 A (440 V) 60 °C 53 A (500 V) 60 °C 45 A (690 V) 60 °C 35 A (380 / 400 V) 60 °C 53 A (220 / 230 / 240 V) 60 °C 53 A |
| Rated Operational Current AC-3e (I _e) | (415 V) 60 °C 53 A (440 V) 60 °C 53 A (500 V) 60 °C 45 A (690 V) 60 °C 35 A (380 / 400 V) 60 °C 53 A (220 / 230 / 240 V) 60 °C 53 A |
| Rated Operational Power AC-3 (P _e) | (400 V) 22 kW (415 V) 30 kW (440 V) 30 kW (500 V) 30 kW (690 V) 30 kW (380 / 400 V) 22 kW (220 / 230 / 240 V) 15 kW |
| Rated Operational Power AC-3e (P _e) | (415 V) 30 kW (440 V) 30 kW (500 V) 30 kW (690 V) 30 kW (380 / 400 V) 22 kW (220 / 230 / 240 V) 15 kW |
| Rated Short-time Withstand Current Low Voltage (I _{cw}) | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 600 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 110 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 250 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 350 A for 1 s -empty- A |
| Maximum Breaking Capacity | cos phi=0.45 (cos phi=0.35 for I _e > 100 A) at 440 V 950 A cos phi=0.45 (cos phi=0.35 for I _e > 100 A) at 690 V 600 A |
| Maximum Electrical Switching Frequency | (AC-1) 600 cycles per hour (AC-2 / AC-4) 150 cycles per hour (AC-3) 1200 cycles per hour |
| Rated Insulation Voltage (U _i) | acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V acc. to UL/CSA 600 V |
| Rated Impulse Withstand Voltage (U _{imp}) | 6 kV |
| Maximum Mechanical | 3600 cycles per hour |

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| Switching Frequency | |
| Rated Control Circuit Voltage (U _c) | 50 Hz 250 ... 500 V 60 Hz 250 ... 500 V DC Operation 250 ... 500 V |
| Operate Time | Between Coil De-energization and NC Contact Closing 19 ... 105 ms Between Coil De-energization and NO Contact Opening 17 ... 100 ms Between Coil Energization and NC Contact Opening 38 ... 95 ms Between Coil Energization and NO Contact Closing 42 ... 100 ms |
| Mounting on DIN Rail | TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 |
| Mounting by Screws (not supplied) | 2 x M4 or 2 x M6 screws placed diagonally |
| Connecting Capacity Main Circuit | Flexible with Ferrule 1/2x 4 ... 35 mm ² Flexible with Insulated Ferrule 1/2x 4 ... 35 mm ² Rigid 1/2x 6 ... 3 5 mm ² |
| Connecting Capacity Control Circuit | Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm ² Rigid 1/2x 1 ... 2.5 mm ² |
| Wire Stripping Length | Main Circuit 16 mm |
| Grado de protección | acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10 |
| Terminal Type | Screw Terminals |

Technical UL/CSA

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| General Use Rating UL/CSA | (600 V AC) 80 A |
| Horsepower Rating UL/CSA | (120 V AC) Single Phase 3 hp (200 ... 208 V AC) Three Phase 15 hp (220 ... 240 V AC) Three Phase 20 hp (240 V AC) Single Phase 10 hp (440 ... 480 V AC) Three Phase 40 hp (550 ... 600 V AC) Three Phase 50 hp |
| Tightening Torque UL/CSA | Control Circuit 11 in-lb Main Circuit 35 in-lb |

Ambiente

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| Temperatura ambiente | Close to Contactor Fitted with Thermal O/L Relay -40 ... 70 °C Close to Contactor without Thermal O/L Relay -40 ... 70 °C Close to Contactor for Storage -60 ... +80 °C |
| Climatic Withstand | Category B according to IEC 60947-1 Annex Q |
| Maximum Operating Altitude Permissible | Without Derating 3000 m |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 5 ... 300 Hz 3 g closed position / 3 g open position |
| Resistance to Shock acc. to IEC 60068-2-27 | Closed, Shock Direction: A 25 g Closed, Shock Direction: B1 25 g Closed, Shock Direction: B2 15 g Closed, Shock Direction: C1 25 g Closed, Shock Direction: C2 25 g Open, Shock Direction: B1 5 g |
| RoHS Status | Following EU Directive 2011/65/EU |

Certificados y Declaraciones (Número de Documento)

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| ABS Certificate | ABS_20-2060694-PDA |
| BV Certificate | BV_2634H36994A |
| CB Certificate | CB_SE-96554M2 |
| CCC Certificate | CCC_2012010304589737 CCC_2015010304824714 |
| CQC Certificate | CQC2015010304824714 |

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|----------------------------------|--------------------------------------|
| | CQC2012010304589737 |
| Declaration of Conformity - CCC | 2020980304001256 2020980304001074 |
| Declaración de conformidad - CE | 1SBD250000U1000 |
| Declaration of Conformity - UKCA | 1SBD250031U1000 |
| DNV Certificate | DNV-GL_TAE00001AF-3 |
| DNV GL Certificate | DNV-GL_TAE00001AF-3 |
| EAC Certificate | EAC_RU_FRME77B03447 |
| Environmental Information | 1SBD250168E1000 1SBC100222M0201 |
| GL Certificate | DNV-GL_TAE00001AF-3 |
| Instrucciones y manuales | 1SBC101036M6801 |
| KC Certificate | KC_HW02016-15010C |
| LR Certificate | LRS_1300087E1 |
| RINA Certificate | RINA_ELE084013XG |
| RMRS Certificate | RMRS_1802705280 |
| RoHS Information | 1SBD250000U1000 |
| UL Certificate | UL_20130926-E312527_14_1 |
| UL Listing Card | UL_E312527 |

Información de Embalaje

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| Embalaje Nivel 1 Unidades | box 1 piece |
| Embalaje Nivel 1 Ancho | 150 mm |
| Embalaje Nivel 1 Largo | 150 mm |
| Embalaje Nivel 1 Alto | 97 mm |
| Embalaje Nivel 1 Peso | 1.05 kg |
| Embalaje Nivel 1 EAN | 3471523132344 |
| Package Level 2 Units | box 10 piece |
| Package Level 2 Width | 250 mm |
| Package Level 2 Depth / Length | 300 mm |
| Package Level 2 Height | 300 mm |
| Package Level 2 Gross Weight | 10.5 kg |
| Package Level 3 Units | 240 piece |

Clasificaciones

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|----------------------------|---|
| 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 |
| E-Number (Finland) | 3707017 |
| E-Number (Sweden) | 3210040 |

Categorías

Productos y sistemas de baja tensión → Aparatos de control → Contactores → Contactores

