

A50-30-00 220-230V 50Hz / 230-240V 60Hz



A50-30-00 220-230V 50Hz / 230-240V 60Hz Contactor

General Information

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|-----------------------|---|
| Extended Product Type | A50-30-00 220-230V 50Hz / 230-240V 60Hz |
| Product ID | 1SBL351001R8000 |
| EAN | 3471522081803 |
| Catalog Description | A50-30-00 220-230V 50Hz / 230-240V 60Hz Contactor |
| Long Description | A50 contactors are mainly used for controlling 3-phase motors and generally for controlling power circuits up to 690 V AC / 1000 V AC or 220 V DC. The contactors can also be used for many other applications such as isolation, capacitor switching, lighting. The A... series 1-stack 3-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 3 main poles, front and side-mounted add-on auxiliary contact blocks - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available. |

Ordering

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|------------------------|----------|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85364900 |

Popular Downloads

| | |
|-----------------------------------|----------------------|
| Data Sheet, Technical Information | 1SBC100122C0202_Ch02 |
| Instructions and Manuals | FPTC407700P0003 |

Dimensions

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| Product Net Width | 70 mm |
| Product Net Depth / Length | 108 mm |
| Product Net Height | 110 mm |
| Product Net Weight | 1.16 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 |
| Standards | Devices complying with international standards IEC 947-1 / 947-4-1, and European standards EN 60 947-1 / 60 947-4-1. Electromagnetic compatibility (EMC) acc. to amendment A11 to IEC 947-1; EN 60 947-1 and amendment 2 to IEC 947-4-1 |
| Rated Operational Voltage | Main Circuit 1000 V |

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| Conventional Free-air Thermal Current (I_{th}) | acc. to IEC 60947-4-1, Open Contactors $q = 40\text{ }^{\circ}\text{C}$ 100 A |
| Rated Operational Current AC-1 (I_e) | (690 V) $40\text{ }^{\circ}\text{C}$ 100 A (690 V) $55\text{ }^{\circ}\text{C}$ 85 A (690 V) $70\text{ }^{\circ}\text{C}$ 70 A |
| Rated Operational Current AC-3 (I_e) | (1000 V) $55\text{ }^{\circ}\text{C}$ 23 A (220 / 230 / 240 V) $55\text{ }^{\circ}\text{C}$ 53 A (380 / 400 V) $55\text{ }^{\circ}\text{C}$ 50 A (415 V) $55\text{ }^{\circ}\text{C}$ 50 A (440 V) $55\text{ }^{\circ}\text{C}$ 45 A (500 V) $55\text{ }^{\circ}\text{C}$ 45 A (690 V) $55\text{ }^{\circ}\text{C}$ 35 A |
| Rated Operational Power AC-3 (P_e) | (220 / 230 / 240 V) 15 kW (380 / 400 V) 22 kW (415 V) 25 kW (440 V) 25 kW (500 V) 30 kW (690 V) 30 kW |
| Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1 | $8 \times I_e$ AC-3 |
| Rated Making Capacity AC-3 acc. to IEC 60947-4-1 | $10 \times I_e$ AC-3 |
| Short-Circuit Protective Devices | gG Type Fuses 100 A |
| Maximum Breaking Capacity | $\cos \phi = 0.45$ ($\cos \phi = 0.35$ for $I_e > 100$ A) at 440 V 1300 A $\cos \phi = 0.45$ ($\cos \phi = 0.35$ for $I_e > 100$ A) at 690 V 630 A |
| Maximum Electrical Switching Frequency | AC-1 600 cycles per hour AC-2 / AC-4 150 cycles per hour AC-3 600 cycles per hour |
| Rated Insulation Voltage (U_i) | acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 V |
| Rated Impulse Withstand Voltage (U_{imp}) | 8 kV |
| Maximum Mechanical Switching Frequency | 3600 cycles per hour |
| Rated Control Circuit Voltage (U_c) | 50 Hz 220 ... 230 V 60 Hz 230 ... 240 V |
| Coil Consumption | Average Holding Value 50 / 60 Hz 18 V·A Average Holding Value 50 / 60 Hz 5.5 W Average Pull-in Value 50 Hz 190 V·A Average Pull-in Value 60 Hz 180 V·A |
| Operate Time | Between Coil Energization and NO Contact Closing 8 ... 27 ms Between Coil De-energization and NO Contact Opening 4 ... 11 ms |
| Connecting Capacity Main Circuit | Flexible with Cable End 6 ... 16 mm ² Rigid Cable 6 ... 25 mm ² |
| Connecting Capacity Auxiliary Circuit | Flexible with Cable End 0.75 ... 2.5 mm ² Rigid Cable 1 ... 4 mm ² |
| Degree of Protection | acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 |
| Connecting terminals (delivered in open position) Main poles | M 6 (+,-) pozidriv 2 screws with 1x (13 x 10 mm) connector |
| Terminal Type | Screw Terminals |

Environmental

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| Ambient Air Temperature | Close to Contactor Fitted with Thermal O/L Relay -25 ... +55 °C Close to Contactor for Storage -60 ... +80 °C Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 U_c) -40 ... +55 °C Close to Contactor without Thermal O/L Relay (U_c) -40 ... +70 °C |
| Climatic Withstand | acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II |
| Maximum Operating Altitude Permissible | 3000 m |
| Resistance to Shock acc. to IEC 60068-2-27 | Shock Direction: A 20 g Closed, Shock Direction: B1 10 g Open, Shock Direction: B1 5 g Shock Direction: B2 15 g Shock Direction: C1 20 g Shock Direction: C2 20 g |

RoHS Status

Following EU Directive 2002/95/EC August 18, 2005 and amendment

Certificates and Declarations (Document Number)

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|--------------------------------|--|
| BV Certificate | BV_2634H07559D0 |
| CB Certificate | CB_FR_602227A |
| CCC Certificate | CCC_2006010304213057 CCC_2008010309289461 |
| CSA Certificate | CSA_1033838_LR056745 |
| Declaration of Conformity - CE | 1SBD250801U1000 |
| DNV Certificate | DNV-GL_TAE00000TX |
| DNV GL Certificate | DNV-GL_TAE00000TX |
| EAC Certificate | EAC_RU C-FR ME77 B01010 |
| Environmental Information | 1SBD250008E1003 |
| GOST Certificate | GOST_POCCFRME77B07175 |
| Instructions and Manuals | FPTC407700P0003 |
| LR Certificate | LRS_9830011E4 |
| RINA Certificate | RINA_ELE128713XG001 |
| RMRS Certificate | RMRS_0507015250 |
| RoHS Information | 1SBD350054R1000 |
| UL Certificate | UL_20120830-E312527-10-1 |
| UL Listing Card | UL_E312527 |

Container Information

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|--------------------------------|---------------|
| Package Level 1 Units | 1 piece |
| Package Level 1 Width | 140 mm |
| Package Level 1 Depth / Length | 146 mm |
| Package Level 1 Height | 96 mm |
| Package Level 1 Gross Weight | 1.16 kg |
| Package Level 1 EAN | 3471522081803 |
| Package Level 2 Units | 20 piece |
| Package Level 2 Gross Weight | 23.2 kg |
| Package Level 3 Units | 160 piece |

Classifications

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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 |
| UNSPSC | 39121529 |

Categories

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

