

PRODUCT-DETAILS

A75-30-00 230-240V 50Hz / 277V 60Hz

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Contactors



General Information

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| Extended Product Type | A75-30-00 230-240V 50Hz / 277V 60Hz |
| Product ID | 1SBL411001R4200 |
| EAN | 3471522092427 |
| Catalog Description | A75-30-00 230-240V 50Hz / 277V 60Hz Contactor |
| Long Description | A75 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 |
| Replacement Product ID (NEW) | 1SBL391001R4200 |

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 |
| Conventional Free-air Thermal Current (I_{th}) | acc. to IEC 60947-4-1, Open Contactors q = 40 °C 125 A |
| Rated Operational Current AC-1 (I_e) | (690 V) 40 °C 125 A (690 V) 55 °C 105 A (690 V) 70 °C 85 A |
| Rated Operational Current AC-3 (I_e) | (415 V) 55 °C 72 A (440 V) 55 °C 70 A (500 V) 55 °C 65 A (690 V) 55 °C 46 A (1000 V) 55 °C 28 A (380 / 400 V) 55 °C 75 A (220 / 230 / 240 V) 55 °C 75 |
| Rated Operational Power AC-3 (P_e) | (415 V) 40 kW (440 V) 40 kW (500 V) 45 kW (690 V) 40 kW (1000 V) 37 kW (380 / 400 V) 37 kW (220 / 230 / 240 V) 22 kW |
| Rated Operational Power AC-6b (P_e) | (230 / 240 V) 40 °C, 50 / 60 Hz 28 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 28 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 24.5 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 48 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 41 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 48 kvar (440 V) 40 °C, 50 / 60 Hz 52 kvar (440 V) 55 °C, 50 / 60 Hz 52 kvar (440 V) 70 °C, 50 / 60 Hz 45 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 60 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 60 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 51 kvar (690 V) 40 °C, 50 / 60 Hz 82 kvar (690 V) 55 °C, 50 / 60 Hz 82 kvar (690 V) 70 °C, 50 / 60 Hz 70 kvar |
| Rated Breaking Capacity AC-3 | 8 x le AC-3 |
| Rated Making Capacity AC-3 | 10 x le AC-3 |
| Short-Circuit Protective Devices | gG Type Fuses 160 A |
| Rated Short-time Withstand Current Low Voltage (I_{cw}) | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 650 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 135 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 250 A |

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| | 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 370 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 230 ... 240 V 60 Hz 277 V |
| Coil Consumption | Average Holding Value 50 Hz 18 V·A Average Holding Value 60 Hz 18 V·A Average Pull-in Value 50 Hz 180 V·A Average Pull-in Value 60 Hz 210 V·A |
| Operate Time | Between Coil De-energization and NO Contact Opening 4 ... 11 ms Between Coil Energization and NO Contact Closing 8 ... 27 ms |
| Mounting on DIN Rail | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH75-25 (75 x 25 mm Mounting Rail) acc. to IEC 60715 |
| Mounting by Screws (not supplied) | 2 x M6 screws placed diagonally |
| 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 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10 |
| Connecting Terminals (delivered in open position) Main Poles | M 6 (+,-) pozidriv 2 screws with 1x (13 x 10 mm) connector |
| Terminal Type | Screw Terminals |

Technical UL/CSA

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|---------------------------|--|
| General Use Rating UL/CSA | (600 V AC) 105 A |
| Horsepower Rating UL/CSA | (200 ... 208 V AC) Three Phase 25 hp (220 ... 240 V AC) Three Phase 30 hp (440 ... 480 V AC) Three Phase 60 hp (550 ... 600 V AC) Three Phase 75 hp |

Environmental

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| Ambient Air Temperature | Close to Contactor Fitted with Thermal O/L Relay -25 ... 55 °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 Close to Contactor for Storage -60 ... +80 °C |
| Climatic Withstand | acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II |
| Maximum Operating Altitude Permissible | Without Derating 3000 m |
| Resistance to Shock acc. to IEC 60068-2-27 | Closed, Shock Direction: B1 10 g Open, Shock Direction: B1 5 g Shock Direction: A 20 g Shock Direction: B2 15 g Shock Direction: C1 20 g Shock Direction: C2 20 g |
| RoHS Status | Following EU Directive 2011/65/EU |

Certificates and Declarations (Document Number)

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|-------------------------------------|--|
| BV Certificate | BV_2634H07559E0 |
| CB Certificate | CB_CN45324 |
| CCC Certificate | CCC_2018010304129267 |
| CQC Certificate | CQC2018010304129267 CQC2008010309289461 |
| CSA Certificate | CSA_1033838_LR056745 |
| Declaration of Conformity - CCC | 2020980304001622 2020980304001226 |
| Declaration of Conformity - CE | 1SBD250801U1000 |
| Declaration of Conformity - UKCA | 1SBD250818U1000 |
| DNV Certificate | DNV-GL_TAE00000TX |
| DNV GL Certificate | DNV-GL_TAE00000TX |
| EAC Certificate | EAC_RU C-FR ME77 B03599 |
| Environmental Information | 1SBD250010E1003 |
| Instructions and Manuals | FPTC407700P0003 |
| LR Certificate | LR_9830011E4 |
| RINA Certificate | RINA_ELE172319XG001 |
| RMRS Certificate | RMRS_0507015250 |
| RoHS Information | 1SBD250801U1000 |
| UL Certificate | UL_20120830-E312527-10-1 |
| UL Listing Card | UL_E312527 |

Container Information

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|-----------------------------------|---------------|
| Package Level 1 Units | box 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 | 3471522092427 |
| Package Level 2 Units | box 20 piece |
| Package Level 2 Width | 503 mm |
| Package Level 2 Depth / Length | 153 mm |
| Package Level 2 Height | 307 mm |
| 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 |
| ETIM 8 | EC000066 - Power contactor, AC switching |
| eClass | V11.0 : 27371003 |
| UNSPSC | 39121529 |

Categories

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

