

AX40-30-01-75



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

General Information

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| Extended Product Type: | AX40-30-01-75 |
| Product ID: | 1SBL321074R7501 |
| EAN: | 3471522402752 |
| Catalog Description: | AX40-30-01-75 200V50HZ/200-220V60HZ Contactor |
| Long Description: | AX32, AX40 contactors are mainly used for controlling 3-phase motors and power circuits up to 690 V AC. These contactors are of the block type design with: – 3 main poles and 1 built-in auxiliary contact – control circuit: AC operated – add-on auxiliary contact blocks for front or side mounting and a wide range of accessories. |

Ordering

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

Popular Downloads

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|-------------------------------------------|-----------------|
| Data Sheet, Technical Information: | 1SXF101004C2001 |
| Instructions and Manuals: | 1SBB912505D3001 |

Dimensions

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| Product Net Width: | 54 mm |
| Product Net Depth / Length: | 90 mm |
| Product Net Height: | 108.3 mm |
| Product Net Weight: | 0.667 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: | 1 |
| Rated Operational Voltage: | Auxiliary Circuit 690 V Main Circuit 690 V |
| Rated Frequency (f): | Auxiliary Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz |
| Conventional Free-air Thermal Current (I_{th}): | acc. to IEC 60947-4-1, Open Contactors q = 40 °C 65 A acc. to IEC 60947-5-1, q = 40 °C 16 A |

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| Rated Operational Current AC-1 (I_e): | (690 V) 40 °C 60 A (690 V) 70 °C 42 A (220 / 240 V) 55 °C 60 A |
| Rated Operational Current AC-3 (I_e): | (220 / 230 / 240 V) 55 °C 40 A (380 / 400 V) 55 °C 40 A (415 V) 55 °C 40 A (440 V) 55 °C 37 A (500 V) 55 °C 33 A (690 V) 55 °C 25 A |
| Rated Operational Power AC-3 (P_e): | (220 / 230 / 240 V) 11 kW (380 / 400 V) 18.5 kW (415 V) 18.5 kW (440 V) 22 kW (500 V) 22 kW (690 V) 22 kW |
| Rated Operational Current AC-15 (I_e): | (220 / 240 V) 4 A (24 / 127 V) 6 A (400 / 440 V) 2 A (690 V) 2 A (380 / 440 V) 3 A |
| Rated Short-time Withstand Current (I_{cw}): | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 400 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 65 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 150 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 600 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 225 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 820 A cos phi=0.45 (cos phi=0.35 for I _e > 100 A) at 690 V 340 A |
| Maximum Electrical Switching Frequency: | AC-1 600 cycles per hour AC-15 1200 cycles per hour AC-3 1200 cycles per hour DC-13 900 cycles per hour |
| Rated Operational Current DC-13 (I_e): | (110 V) 1.1 A / 121 W (220 V) 0.55 A / 121 W (400 V) 2.8 A / 134 W (500 V) 2 A / 144 W (125 V) 1.1 A / 138 W (24 V) 6 A / 144 W (250 V) 0.55 A / 138 W |
| Rated Insulation Voltage (U_i): | acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V |
| Rated Impulse Withstand Voltage (U_{imp}): | 6 kV |
| Maximum Mechanical Switching Frequency: | 3600 cycles per hour |
| Rated Control Circuit Voltage (U_c): | 50 Hz 200 V 60 Hz 200 ... 220 V |

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| Operate Time: | Between Coil De-energization and NC Contact Closing 7 ... 14 ms Between Coil De-energization and NO Contact Opening 4 ... 11 ms Between Coil Energization and NC Contact Opening 6 ... 18 ms Between Coil Energization and NO Contact Closing 8 ... 21 ms |
| Degree of Protection: | acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 |
| Terminal Type: | Screw Terminals |

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 ... +55 °C Close to Contactor without Thermal O/L Relay -40 ... +70 °C Near Contactor for Operation in Free Air -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 |
| RoHS Status: | Following EU Directive 2002/95/EC August 18, 2005 and amendment |

Technical UL/CSA

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| General Use Rating UL/CSA: | (600 V AC) 60 A |
| Horsepower Rating UL/CSA: | (120 V AC) Single Phase 3 Hp (240 V AC) Single Phase 7.5 Hp (200 ... 208 V AC) Three Phase 10 Hp (220 ... 240 V AC) Three Phase 15 Hp (440 ... 480 V AC) Three Phase 30 Hp (550 ... 600 V AC) Three Phase 40 Hp |
| Tightening Torque UL/CSA: | Auxiliary Circuit 9 in·lb Control Circuit 9 in·lb Main Circuit 20 in·lb |

Certificates and Declarations (Document Number)

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| CB Certificate: | CB_CN_29740 |
| CCS Certificate: | CCS_GZ13T00024 |
| Declaration of Conformity - CE: | 1SBD250011U1000 |
| Instructions and Manuals: | 1SBB912505D3001 |
| RoHS Information: | 1SBD251301E1000 |

Container Information

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|----------------------------------------|---------------|
| Package Level 1 Units: | 1 piece |
| Package Level 1 Width: | 65 mm |
| Package Level 1 Depth / Length: | 101 mm |
| Package Level 1 Height: | 115 mm |
| Package Level 1 Gross Weight: | 0.71 kg |
| Package Level 1 EAN: | 3471522402752 |

Package Level 2 Units: 12 piece

Package Level 2 Width: 240 mm

Package Level 2 Depth / Length: 295 mm

Package Level 2 Height: 145 mm


Package Level 2 Gross Weight: 8.52 kg

Classifications

Object Classification Code: Q

UNSPSC: 39121529



 300x200

