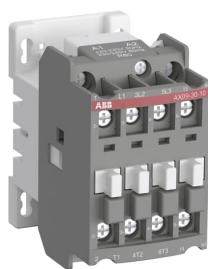


PRODUCT-DETAILS

AX09-30-01-84

AX09-30-01-84 110V50Hz/110-120V60Hz

Contactors



General Information

| | |
|-----------------------|---|
| Extended Product Type | AX09-30-01-84 |
| Product ID | 1SBL901074R8401 |
| EAN | 3471522392848 |
| Catalog Description | AX09-30-01-84 110V50Hz/110-120V60Hz Contactor |
| Long Description | AX09...AX25 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. |

Classifications

| | |
|----------------------------|--|
| Object Classification Code | Q |
| ETIM 6 | EC000066 - Power contactor, AC switching |
| ETIM 7 | EC000066 - Power contactor, AC switching |
| UNSPSC | 39121529 |

Container Information

| | |
|-------------------------|---------|
| Package Level 1 Units | 1 piece |
| Package Level 1 Width | 48 mm |
| Package Level 1 Depth / | 78 mm |

Length

| | |
|--------------------------------|---------------|
| Package Level 1 Height | 79 mm |
| Package Level 1 Gross Weight | 0.34 kg |
| Package Level 1 EAN | 3471522392848 |
| Package Level 2 Units | 30 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 | 10.2 kg |

Certificates and Declarations (Document Number)

| | |
|--------------------------------|-----------------|
| CB Certificate | 9AKK107492A7072 |
| CCC Certificate | 9AKK107492A7089 |
| CCS Certificate | 9AKK107492A7096 |
| Declaration of Conformity - CE | 1SBD250011U1000 |
| Instructions and Manuals | 9AKK107492A7057 |
| RoHS Information | 1SBD251301E1000 |

Technical UL/CSA

| | |
|------------------------------|--|
| General Use Rating UL/CSA | (600 V AC) 21 A |
| Horsepower Rating UL/CSA | (120 V AC) Single Phase 1/2 Hp (240 V AC) Single Phase 1.5 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 7.5 Hp |
| Tightening Torque UL/CSA | Auxiliary Circuit 9 in-lb Control Circuit 9 in-lb Main Circuit 9 in-lb |

Environmental

| | |
|--|--|
| 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

| | |
|-------------------------------|---|
| Number of Main Contacts NO | 3 |
| Number of Main Contacts | 0 |

NC

| | |
|--|--|
| 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 $q = 40\text{ °C}$ 24 A acc. to IEC 60947-5-1, $q = 40\text{ °C}$ 16 A |
| Rated Operational Current AC-1 (I_e) | (690 V) 40 °C 22 A (690 V) 70 °C 18 A (220 / 240 V) 55 °C 22 A |
| Rated Operational Current AC-3 (I_e) | (220 / 230 / 240 V) 55 °C 9 A (380 / 400 V) 55 °C 9 A (415 V) 55 °C 9 A (440 V) 55 °C 9 A (500 V) 55 °C 9 A (690 V) 55 °C 7 A |
| Rated Operational Power AC-3 (P_e) | (220 / 230 / 240 V) 2.2 kW (380 / 400 V) 4 kW (415 V) 4 kW (440 V) 4 kW (500 V) 5.5 kW (690 V) 5.5 kW |
| Rated Operational Current AC-15 (I_e) | (220 / 240 V) 4 A (24 / 127 V) 6 A (400 / 440 V) 2 A (500 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 100 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 26 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 50 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 250 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 60 A for 0.1 s 140 A for 1 s 100 A |
| Maximum Breaking Capacity | $\cos\phi=0.45$ ($\cos\phi=0.35$ for $I_e > 100\text{ A}$) at 440 V 250 A $\cos\phi=0.45$ ($\cos\phi=0.35$ for $I_e > 100\text{ A}$) at 690 V 90 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 110 V 60 Hz 110 ... 120 V |
| Operate Time | Between Coil De-energization and NC Contact Closing 9 ... 16 ms |

Between Coil De-energization and NO Contact Opening 4 ... 11 ms
 Between Coil Energization and NC Contact Opening 7 ... 21 ms
 Between Coil Energization and NO Contact Closing 10 ... 26 ms

Degree of Protection acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20
 acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20

Terminal Type Screw Terminals

Dimensions

| | |
|----------------------------|----------|
| Product Net Width | 44 mm |
| Product Net Depth / Length | 74 mm |
| Product Net Height | 74 mm |
| Product Net Weight | 0.326 kg |

Popular Downloads

| | |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | No |
| Instructions and Manuals | 9AKK107492A7057 |

Ordering

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

Categories

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

