

# AX40-30-10-75



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

## General Information

<b>Extended Product Type:</b>	AX40-30-10-75
<b>Product ID:</b>	1SBL321074R7510
<b>EAN:</b>	3471522401755
<b>Catalog Description:</b>	AX40-30-10-75 200V50HZ/200-220V60HZ Contactor
<b>Long Description:</b>	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

<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85364900

## Popular Downloads

<b>Data Sheet, Technical Information:</b>	1SXF101004C2001
<b>Instructions and Manuals:</b>	1SBB912505D3001

## Dimensions

<b>Product Net Width:</b>	54 mm
<b>Product Net Depth / Length:</b>	90 mm
<b>Product Net Height:</b>	108.3 mm
<b>Product Net Weight:</b>	0.667 kg

## Technical

<b>Number of Main Contacts NO:</b>	3
<b>Number of Main Contacts NC:</b>	0
<b>Number of Auxiliary Contacts NO:</b>	1
<b>Number of Auxiliary Contacts NC:</b>	0
<b>Rated Operational Voltage:</b>	Auxiliary Circuit 690 V Main Circuit 690 V
<b>Rated Frequency (f):</b>	Auxiliary Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
<b>Conventional Free-air Thermal Current (I<sub>th</sub>):</b>	acc. to IEC 60947-4-1, Open Contactors q = 40 °C 65 A acc. to IEC 60947-5-1, q = 40 °C 16 A

<b>Rated Operational Current AC-1</b> <b>(I<sub>e</sub>):</b>	(690 V) 40 °C 60 A (690 V) 70 °C 42 A (220 / 240 V) 55 °C 60 A
<b>Rated Operational Current AC-3</b> <b>(I<sub>e</sub>):</b>	(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
<b>Rated Operational Power AC-3</b> <b>(P<sub>e</sub>):</b>	(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
<b>Rated Operational Current AC-15</b> <b>(I<sub>e</sub>):</b>	(220 / 240 V) 4 A (24 / 127 V) 6 A (400 / 440 V) 2 A (690 V) 2 A (380 / 440 V) 3 A
<b>Rated Short-time Withstand Current (I<sub>cw</sub>):</b>	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
<b>Maximum Breaking Capacity:</b>	cos phi=0.45 (cos phi=0.35 for I <sub>e</sub> > 100 A) at 440 V 820 A cos phi=0.45 (cos phi=0.35 for I <sub>e</sub> > 100 A) at 690 V 340 A
<b>Maximum Electrical Switching Frequency:</b>	AC-1 600 cycles per hour AC-15 1200 cycles per hour AC-3 1200 cycles per hour DC-13 900 cycles per hour
<b>Rated Operational Current DC-13</b> <b>(I<sub>e</sub>):</b>	(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
<b>Rated Insulation Voltage (U<sub>i</sub>):</b>	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V
<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	6 kV
<b>Maximum Mechanical Switching Frequency:</b>	3600 cycles per hour
<b>Rated Control Circuit Voltage (U<sub>c</sub>):</b>	50 Hz 200 V 60 Hz 200 ... 220 V

<b>Operate Time:</b>	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
<b>Degree of Protection:</b>	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
<b>Terminal Type:</b>	Screw Terminals

## Environmental

<b>Ambient Air Temperature:</b>	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
<b>Climatic Withstand:</b>	acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II
<b>Maximum Operating Altitude Permissible:</b>	3000 m
<b>RoHS Status:</b>	Following EU Directive 2002/95/EC August 18, 2005 and amendment

## Technical UL/CSA

<b>General Use Rating UL/CSA:</b>	(600 V AC) 60 A
<b>Horsepower Rating UL/CSA:</b>	(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
<b>Tightening Torque UL/CSA:</b>	Auxiliary Circuit 9 in·lb Control Circuit 9 in·lb Main Circuit 20 in·lb

## Certificates and Declarations (Document Number)

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

## Container Information

<b>Package Level 1 Units:</b>	1 piece
<b>Package Level 1 Width:</b>	65 mm
<b>Package Level 1 Depth / Length:</b>	101 mm
<b>Package Level 1 Height:</b>	115 mm
<b>Package Level 1 Gross Weight:</b>	0.71 kg
<b>Package Level 1 EAN:</b>	3471522401755

**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

