

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

General Information

Extended Product Type:	AX12-30-01-81
Product ID:	1SBL911074R8101
EAN:	3471522394811
Catalog Description:	AX12-30-01-81 24V 50/60Hz 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.

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Popular Downloads

Data Sheet, Technical Information:	1SXF101004C2001
Instructions and Manuals:	1SBB902529D3001

Dimensions

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

Technical

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 26 A acc. to IEC 60947-5-1, q = 40 °C 16 A

Rated Operational Current AC-1 (I_e):	(690 V) 40 °C 25 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 12 A (380 / 400 V) 55 °C 12 A (415 V) 55 °C 12 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) 3 kW (380 / 400 V) 5.5 kW (415 V) 5.5 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 120 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 55 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 280 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 70 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 A) at 440 V 250 A cos phi=0.45 (cos phi=0.35 for I _e > 100 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 24 V
60 Hz 24 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

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 UL/CSA

General Use Rating UL/CSA: (600 V AC) 25 A

Horsepower Rating UL/CSA: (120 V AC) Single Phase 3/4 Hp
(240 V AC) Single Phase 2 Hp
(200 ... 208 V AC) Three Phase 3 Hp
(220 ... 240 V AC) Three Phase 3 Hp
(440 ... 480 V AC) Three Phase 7.5 Hp
(550 ... 600 V AC) Three Phase 10 Hp

Tightening Torque UL/CSA: Auxiliary Circuit 9 in·lb
Control Circuit 9 in·lb
Main Circuit 9 in·lb

Certificates and Declarations (Document Number)

CB Certificate: CB_CN_29456

CCC Certificate: CCC_2013010304646608

CCS Certificate: CCS_GZ13T00024

Declaration of Conformity - CE: 1SBD250011U1000

Instructions and Manuals: 1SBB902529D3001

RoHS Information: 1SBD251301E1000

Container Information

Package Level 1 Units: 1 piece

Package Level 1 Width: 48 mm

Package Level 1 Depth / Length: 78 mm

Package Level 1 Height: 79 mm

Package Level 1 Gross Weight: 0.34 kg

Package Level 1 EAN: 3471522394811

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

Classifications

Object Classification Code: Q

UNSPSC: 39121529



 300x200

