

General Information

Extended Product Type:	AX18-30-10-81
Product ID:	1SBL921074R8110
EAN:	3471522395818
Catalog Description:	AX18-30-10-81 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: A C 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:	1
Number of Auxiliary Contacts NC:	0
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 28 A acc. to IEC 60947-5-1, q = 40 °C 16 A

Rated Operational Current AC-1 (I_e):	(690 V) 40 °C 27 A (690 V) 70 °C 20 A (220 / 240 V) 55 °C 25 A
Rated Operational Current AC-3 (I_e):	(220 / 230 / 240 V) 55 °C 18 A (380 / 400 V) 55 °C 18 A (415 V) 55 °C 18 A (440 V) 55 °C 12 A (500 V) 55 °C 12 A (690 V) 55 °C 9 A
Rated Operational Power AC-3 (P_e):	(220 / 230 / 240 V) 4 kW (380 / 400 V) 7.5 kW (415 V) 9 kW (440 V) 5.5 kW (500 V) 7.5 kW (690 V) 7.5 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 145 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 28 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 60 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 300 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 80 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) 30 A
Horsepower Rating UL/CSA:	(120 V AC) Single Phase 1 Hp (240 V AC) Single Phase 3 Hp (200 ... 208 V AC) Three Phase 5 Hp (220 ... 240 V AC) Three Phase 5 Hp (440 ... 480 V AC) Three Phase 10 Hp (550 ... 600 V AC) Three Phase 15 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
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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:	3471522395818
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

