



 PRODUCT-DETAILS

AX32-30-10-80

AX32-30-10-80 220-230V50Hz/230-240V60Hz Contactor



General Information

Extended Product Type	AX32-30-10-80
Product ID	1SBL281074R8010
EAN	3471522399809
Catalog Description	AX32-30-10-80 220-230V50Hz/230-240V60Hz 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

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

EPLAN Data	9AAC177928_EPLAN
Data Sheet, Technical	1SBC100187L0203

Information

Instructions and Manuals	9AKK107492A7057
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Product Net Width	54 mm
Product Net Depth / Length	90 mm
Product Net Height	108.3 mm
Product Net Weight	0.667 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 $\Theta = 40\text{ }^{\circ}\text{C}$ 65 A acc. to IEC 60947-5-1, $\Theta = 40\text{ }^{\circ}\text{C}$ 16 A
Rated Operational Current AC-1 (I _e)	(220 / 240 V) 55 °C 55 A (690 V) 40 °C 55 A (690 V) 70 °C 39 A
Rated Operational Current AC-3 (I _e)	(415 V) 55 °C 32 A (440 V) 55 °C 32 A (500 V) 55 °C 28 A (690 V) 55 °C 21 A (380 / 400 V) 55 °C 32 A (220 / 230 / 240 V) 55 °C 32 A
Rated Operational Current AC-15 (I _e)	(500 V) NC 2 (500 V) 2 A (690 V) 2 A (24 / 127 V) 6 A (220 / 240 V) 4 A (380 / 400 V) 3 A (400 / 440 V) 2 A
Rated Operational Current DC-13 (I _e)	(24 V) 6 A / 144 W (110 V) 0.55 A / 60 W (125 V) 1.1 A / 138 W (220 V) 0.55 A / 121 W (250 V) 0.55 A / 138 W (400 V) 2.8 A / 134 W (500 V) 2 A / 144 W
Rated Operational Power AC-3 (P _e)	(415 V) 15 kW (440 V) 18.5 kW (500 V) 18.5 kW (690 V) 18.5 kW (380 / 400 V) 15 kW (220 / 230 / 240 V) 9 kW
Rated Short-time Withstand Current Low Voltage (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 0.1 s 140 A for 1 s 100 A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 440 V 820 A cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 690 V 340 A
Rated Insulation Voltage (Ui)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V
Rated Impulse Withstand Voltage (Uimp)	Auxiliary Circuit 6 kV
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
Maximum Mechanical Switching Frequency	3600 cycles per hour
Rated Control Circuit Voltage (Uc)	50 Hz 220 ... 230 V 60 Hz 230 ... 240 V
Power Loss	at Rated Operating Conditions AC-1 per Pole 2.5 W at Rated Operating Conditions AC-3 per Pole 0.9 W
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 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
Tightening Torque	Auxiliary Circuit 1 N·m Control Circuit 1 N·m Main Circuit 2.3 N·m
Terminal Type	Screw Terminals
Product Name	Block Contactor

Technical UL/CSA

General Use Rating UL/CSA	(600 V AC) 50 A
Horsepower Rating UL/CSA	(120 V AC) Single Phase 3 hp (200 ... 208 V AC) Three Phase 10 hp (220 ... 240 V AC) Three Phase 10 hp (240 V AC) Single Phase 7.5 hp (440 ... 480 V AC) Three Phase 25 hp (550 ... 600 V AC) Three Phase 30 hp
Tightening Torque UL/CSA	Auxiliary Circuit 9 in·lb Control Circuit 9 in·lb Main Circuit 20 in·lb
Full Load Amps Motor Use	(120 V AC) Single Phase 34 A (200 ... 208 V AC) Three Phase 32.2 A (220 ... 240 V AC) Three Phase 28 A (240 V AC) Single Phase 40 A (440 ... 480 V AC) Three Phase 34 A (550 ... 600 V AC) Three Phase 32 A

Environmental

Ambient Air Temperature	Close to Contactor Fitted with Thermal O/L Relay -25 ... 55 °C Close to Contactor without Thermal O/L Relay -40 ... 70 °C Close to Contactor for Storage -60 ... +80 °C Near Contactor for Operation in Free Air -40 ... 70 °C
Climatic Withstand	according to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 Specification II
Maximum Operating	Without Derating 3000 m

Altitude Permissible

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS Declaration	2CMT2021-006277
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP	9572744b-1e86-4cfe-8086-455619ac353e Bulgaria
Simplified SCIP	1fa2bf05-8d82-4696-9d67-8ca45d1f6807 Finland 21b2866a-c103-4bcc-b13e-9a79ef47fd9a Hungary 2258c81c-5dba-48dc-92a4-f3345f0dd577 Germany 2874ad5b-104f-4107-b8ac-a4ec89dedb51 Croatia 3f1df392-9ace-44a0-ad36-6f2d094de224 Germany 467c33ce-a571-4ab7-90e3-9ea49ecaa8f9 Poland 480e3ed2-c09a-40c4-b6dd-422de23ccaed Poland 572fba3c-0d3d-411a-84e3-0785ab7e7f66 Czech Republic 5a4626c5-d1f8-4c48-9150-a32264a0c112 Denmark 7712d249-2fb1-440b-b400-760a3de42e2b Germany 86869519-50f8-41a1-ab4c-02efbc42c380 Estonia 88851c3c-c854-4b42-b9f8-4b77e4ba05ff Poland 8e1d6f30-eb59-4784-8dc1-a2ac2a56ecd0 Hungary 912ab3a7-3917-4348-8dcb-609b2b6fc350 Sweden 9f6699ed-0aa3-4438-acee-b6e1d8516714 Greece a5589388-3e31-4a69-b85b-33e11bd8075a Portugal a7c35f59-a5ee-41e8-9fbf-5c1d616d2518 Belgium afc1e8c5-35f8-4f9e-a138-9e94dee59fad Belgium b19d1189-110c-4361-a0c0-e9669be74c1f Italy b86a8ffe-903d-4d9f-8725-e0eeab4aff5b Norway c595cfa0-cbee-469a-a4f4-4aaffda296a Germany c8af027e-e443-4f85-854f-7ed31dce2a3b Sweden dac9edc9-23ec-48e3-bc03-b5ce9b2010ef France dd1e0116-108d-45d9-8c88-77b3f0825240 Spain f9a0001b-b41a-4f9d-8d76-4b948e94ea91 France fa277581-1eed-4bd0-ad12-c6a65cae10ca Germany fd766c33-9e6f-490b-aaa0-5a3a783c42a1 Netherlands
Toxic Substances Control Act - TSCA	2CMT2023-006525
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

ABB EcoSolutions

Environmental Product Declaration - EPD	No Declaration Needed
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Certificates and Declarations

CB Certificate	9AKK107492A7073
CCC Certificate	9AKK107492A7090
CCS Certificate	GZ23PTB00147
CQC Certificate	CQC2013010304647116
Declaration of Conformity - CCC	2020980304001065
Declaration of Conformity - CE	1SBD250011U1000
UL Certificate	UL_20140702-E312527-10-6

Container Information

Package Level 1 Units	box 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	3471522399809

External Classifications and Standards

Object Classification Code	Q
ETIM 7	EC000066 - Power contactor, AC switching
ETIM 8	EC000066 - Power contactor, AC switching
ETIM 9	EC000066 - Power contactor, AC switching
eClass	V11.0 : 27371003
UNSPSC	39121529
IDEA Granular Category Code (IGCC)	4755 >> Contactors
E-Number (Finland)	3707341

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
1SBN010015R1001	CE5-01D0.1 Auxiliary Contact Block	CE5-01D0.1	1	piece
1SBN010015R1010	CE5-10D0.1 Auxiliary Contact Block	CE5-10D0.1	1	piece
1SBN010016R1001	CE5-01W0.1 Auxiliary Contact Block	CE5-01W0.1	1	piece
1SBN010016R1010	CE5-10W0.1 Auxiliary Contact Block	CE5-10W0.1	1	piece
1SBN010017R1001	CE5-01D2 Auxiliary Contact Block	CE5-01D2	1	piece
1SBN010017R1010	CE5-10D2 Auxiliary Contact Block	CE5-10D2	1	piece
1SBN010018R1001	CE5-01W2 Auxiliary Contact Block	CE5-01W2	1	piece
1SBN010018R1010	CE5-10W2 Auxiliary Contact Block	CE5-10W2	1	piece

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → AX Contactors → AX32

