



PRODUCT-DETAILS

AX80-30-11-80**AX80-30-11-80 220-230V50Hz/230-240V60Hz
Contactor****General Information**

Extended Product Type:	AX80-30-11-80
Product ID:	1SBL411074R8011
EAN:	3471522408808
Catalog Description:	AX80-30-11-80 220-230V50Hz/230-240V60Hz Contactor
Long Description:	AX50...AX80 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 – control circuit: AC operated – add-on auxiliary contact blocks (optional) for side mounting and a wide range of accessories.
Display Name:	AX80-30-11-80

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Popular Downloads

EPLAN Data:	9AAC177932_EPLAN
Data Sheet, Technical Information:	1SBC100187L0203
Instructions and Manuals:	9AKK107492A7059
CAD Dimensional Drawing:	2CDC001079B0201

Dimensions

Product Net Width:	82 mm
Product Net Depth / Length:	110 mm
Product Net Height:	108 mm
Product Net Weight:	1.05 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:	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 $\Theta = 40\text{ °C}$ 125 A):	
Rated Operational Current AC-1 (I_e):	(220 / 240 V) 55 °C 105 A (690 V) 40 °C 125 A (690 V) 70 °C 85 A
Rated Operational Current AC-3 (I_e):	(415 V) 55 °C 80 A (440 V) 55 °C 70 A (500 V) 55 °C 65 A (690 V) 55 °C 46 A (380 / 400 V) 55 °C 80 A (220 / 230 / 240 V) 55 °C 80 A
Rated Operational Power AC-3 (P_e):	(415 V) 40 kW (440 V) 40 kW (500 V) 45 kW (690 V) 40 kW (380 / 400 V) 37 kW (220 / 230 / 240 V) 22 kW
Rated Short-time Withstand Current Low Voltage (I_{cw}):	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 650 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 135 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 250 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 370 A
Maximum Breaking Capacity:	cos phi=0.45 (cos phi=0.35 for $I_e > 100\text{ A}$) at 440 V 1300 A cos phi=0.45 (cos phi=0.35 for $I_e > 100\text{ A}$) at 690 V 630 A
Rated Insulation Voltage (U_i):	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 V
Rated Impulse Withstand Voltage (U_{imp}):	Auxiliary Circuit 6 kV

Maximum Electrical Switching Frequency:	(AC-1) 600 cycles per hour (AC-3) 600 cycles per hour
Maximum Mechanical Switching Frequency:	3600 cycles per hour
Rated Control Circuit Voltage (U_c):	50 Hz 220 ... 230 V 60 Hz 230 ... 240 V
Power Loss:	at Rated Operating Conditions AC-1 per Pole 7 W at Rated Operating Conditions AC-3 per Pole 2 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 7 ... 22 ms Between Coil Energization and NO Contact Closing 8 ... 27 ms
Degree of Protection:	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10
Tightening Torque:	Control Circuit 1 N-m Main Circuit 4 N-m
Terminal Type:	Screw Terminals
Product Name:	Block Contactor

Technical UL/CSA

General Use Rating UL/CSA:	(600 V AC) 105 A
Horsepower Rating UL/CSA:	(120 V AC) Single Phase 7-1/2 hp (200 ... 208 V AC) Three Phase 25 hp (220 ... 240 V AC) Three Phase 30 hp (240 V AC) Single Phase 15 hp (440 ... 480 V AC) Three Phase 60 hp (550 ... 600 V AC) Three Phase 75 hp
Tightening Torque UL/CSA:	Auxiliary Circuit 9 in-lb Control Circuit 9 in-lb Main Circuit 35 in-lb
Full Load Amps Motor Use:	(120 V AC) Single Phase 80 A (200 ... 208 V AC) Three Phase 78.2 A (220 ... 240 V AC) Three Phase 80 A (240 V AC) Single Phase 68 A (440 ... 480 V AC) Three Phase 77 A (550 ... 600 V AC) Three Phase 77 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 Altitude Permissible:	Without Derating 3000 m

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:	654be6cf-0d55-415c-86f9-3e6ad748b4b8 Bulgaria
Simplified SCIP:	0183a3a7-231d-4fd3-b948-68b82e16416a Belgium 068ca0e0-966e-47a8-8dfd-b1f2317d484b Greece 0de69009-be1d-4ed3-b607-7ca7f46d7519 Sweden 131f5cbf-2749-479a-b988-0bdee3a2e087 France 1b5bb251-00e2-44b5-983b-5cda29822466 Hungary 1b9d8735-e0b9-4b87-b960-49b623c21d82 Italy 22d8624f-c773-47a0-9d46-20f859de63e7 Sweden 70bf4633-241b-4fe2-adc9-719d0debe352 Netherlands 772bccd6c-3b31-4bed-a542-c0bd30e9e678 Germany 89c9912f-085e-4cc3-b416-264dac3f2f66 Denmark 90c88950-7ad9-4e2c-87db-9569225a730f Portugal 9415557b-cc8f-4ca8-a899-a0489a1109f0 Spain 94a7c6ca-7ff1-4433-ae4e-7794e62d4eec Germany 976c651c-873d-467d-b2ac-abc094fc75c7 Hungary 9c8448c7-8f34-4723-93e1-564ac9fcd06a Belgium a2fecdd68-a9e6-4a1b-a2fb-a7c8164f04c3 Poland a50750a3-2f57-43ea-b01d-89b2235fc4ee Poland a7fbdbf5-0a3c-4995-8f09-81ee13e5635d France b5c77662-7be2-47d1-80ed-45e885ec8980 Germany b7714ce9-8857-44fa-bff5-43a0027225bf Estonia bec76370-99db-45ab-b789-2ffdaadd39c Czech Republic c37ce769-35b3-48e2-a730-3bd9a9feb772 Poland c728bda1-e97f-4ede-87aa-1e9f155807fc Finland cbf7f598-d639-4b55-b833-02507ea88d04 Norway ea874d3e-7a97-47af-9fd8-828175bf01da Germany eafe8b1f-0bed-444d-813d-c6903dcae3c5 Croatia ff267aaa-8cbf-4a24-88bf-fb34a6135f0d Germany
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

Certificates and Declarations

CB Certificate:	9AKK107492A7074
CCC Certificate:	9AKK107492A7091
CCS Certificate:	GZ23PTB00147
CQC Certificate:	CQC2013010304646607
Declaration of Conformity - CCC:	2020980304001064
Declaration of Conformity - CE:	1SBD250011U1000
UL Certificate:	UL_20140702-E312527-10-7

Container Information

Package Level 1 Units:	box 1 piece
Package Level 1 Width:	102 mm

Package Level 1 Depth / Length:	143 mm
Package Level 1 Height:	152 mm
Package Level 1 Gross Weight:	1.16 kg
Package Level 1 EAN:	3471522408808

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

Accessories

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

Categories

Products > Low Voltage Products and Systems > Control Products > Contactors > Block Contactors > AX Contactors > AX80

