



 PRODUCT-DETAILS

AX25-30-10-80

AX25-30-10-80 220-230V50Hz/230-240V60Hz Contactor



General Information

Extended Product Type:	AX25-30-10-80
Product ID:	1SBL931074R8010
EAN:	3471522397805
Catalog Description:	AX25-30-10-80 220-230V50Hz/230-240V60Hz 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.
Display Name:	AX25-30-10-80

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Popular Downloads

EPLAN Data:	9AAC177927_EPLAN
Data Sheet, Technical Information:	1SBC100187L0203
Instructions and Manuals:	9AKK107492A7057
CAD Dimensional Drawing:	2CDC001079B0201

Dimensions

Product Net Width:	44 mm
Product Net Depth / Length:	74 mm
Product Net Height:	76.3 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
Number of Poles:	3P
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 $\Theta = 40\text{ °C}$ 32 A acc. to IEC 60947-5-1, $\Theta = 40\text{ °C}$ 16 A
Rated Operational Current AC-1 (I_e):	(220 / 240 V) 55 °C 27 A (690 V) 40 °C 32 A (690 V) 70 °C 23 A
Rated Operational Current AC-3 (I_e):	(415 V) 55 °C 25 A (440 V) 55 °C 16 A (500 V) 55 °C 14 A (690 V) 55 °C 10 A (380 / 400 V) 55 °C 25 A (220 / 230 / 240 V) 55 °C 25 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) 1.1 A / 121 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) 11 kW (440 V) 9 kW (500 V) 9 kW (690 V) 9 kW (380 / 400 V) 11 kW (220 / 230 / 240 V) 6.5 kW
Rated Short-time Withstand Current Low Voltage (I_{cw}):	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 200 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 32 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 85 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 105 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
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-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 (U_c):	50 Hz 220 ... 230 V 60 Hz 230 ... 240 V
Coil Consumption:	Average Holding Value 50 / 60 Hz 12 V-A Average Holding Value 50 Hz 12 V-A Average Holding Value 60 Hz 12 V-A Average Holding Value, from Warm State 3 W Average Pull-in Value 50 Hz 120 V-A Average Pull-in Value 60 Hz 140 V-A
Power Loss:	at Rated Operating Conditions AC-1 per Pole 1.2 W at Rated Operating Conditions AC-3 per Pole 0.35 W
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
Tightening Torque:	Auxiliary Circuit 1 N-m Control Circuit 1 N-m Main Circuit 1.2 N-m
Terminal Type:	Screw Terminals
Product Name:	Block Contactor

Technical UL/CSA

General Use Rating UL/CSA:	(600 V AC) 30 A
Horsepower Rating UL/CSA:	(120 V AC) Single Phase 2 hp (200 ... 208 V AC) Three Phase 7.5 hp (220 ... 240 V AC) Three Phase 7.5 hp (240 V AC) Single Phase 3 hp (440 ... 480 V AC) Three Phase 15 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 11 in-lb
Full Load Amps Motor Use:	(120 V AC) Single Phase 24 A (200 ... 208 V AC) Three Phase 25.3 A (220 ... 240 V AC) Three Phase 22 A (240 V AC) Single Phase 17 A (440 ... 480 V AC) Three Phase 21 A (550 ... 600 V AC) Three Phase 17 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:	8df7dd4d-6c04-4db6-bf60-b09fab031be5 Bulgaria
Simplified SCIP:	012f1a8b-0c74-4dca-87e5-a0017192bfc5 Sweden 0638f859-1f31-4aef-a048-a65976712411 Germany 1f79af71-c7d4-410e-9665-40b512478cea Finland 20ce6855-6b5a-4d6c-b57e-09ebc39006dc Germany 31b2889a-3688-4bda-8c13-f6d93b1251de Sweden 35a3ad84-46c8-4398-9671-f081229b9575 Spain 40687cdb-9bcf-426d-a80b-734032d98ce6 Norway 538d011c-ad0b-492b-acd4-4e81bff88a71 Estonia 6a90c7dd-f6dd-4d32-85ff-07063354416e Netherlands 6ce8661c-0e3b-46c9-8238-9437365857aa Germany 709be8e1-842c-4114-997e-176a7882c589 Hungary 747626cb-d1d8-40d0-b1e5-05b4e9936b5f Hungary 74b5c6db-8bcd-4ac9-afd7-3ccced5205653 Belgium a24c9ee3-d98c-491c-87e9-0e84e256edd9 Italy a46ae577-4325-4628-a8df-2f698330e736 France a59c1772-f31f-4fd9-be47-41f8d31741be Germany a795078a-3b3b-476a-b8e0-2fc099762ae9 France a7af7207-043e-4ac9-a280-9109a6ebdaae Poland aa317144-a973-43ea-82dc-dab4d0a25a29 Czechia aba49dca-0ef4-4295-be1f-7fdb2db97bed Poland af99da26-df23-47b8-8c53-03ee72ad66c3 Poland bb9a01dd-be7f-4955-a0d7-1d7ba7c4889a Belgium c05b2b54-a5f1-41c2-92ad-d9360f68d6dc Portugal d9744ef6-750b-4e25-98aa-7fa4d26794da Croatia e3cf39c4-2b89-463a-82e3-8d2a2159f4ff Germany f786c679-dc7b-41c3-b07c-a76263cf5bde Greece fca99685-38ec-485b-acc7-09c7991980e2 Denmark
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:	9AKK107492A7072
CCC Certificate:	9AKK107492A7089
CCS Certificate:	GZ23PTB00147
CQC Certificate:	CQC2013010304646608
Declaration of Conformity - CCC:	2020980304001066
Declaration of Conformity - CE:	1SBD250011U1000
UL Certificate:	UL_20140702-E312527-10-5

Container Information

Package Level 1 Units:	box 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:	3471522397805

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):	3707335

Accessories

Identifier	Description	Type	Qty	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

Identifier	Description	Type	Qty	Unit Of Measure
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

Products > Low Voltage Products and Systems > Control Products > Contactors > Block Contactors > AX Contactors > AX25



Submitted by TECO Group