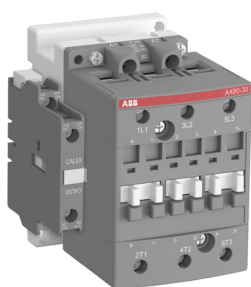


PRODUCT-DETAILS

# AX65-30-11-80

## AX65-30-11-80 220-230V50Hz/230-240V60Hz

### Contactors



#### General Information

|                       |  |
|-----------------------|--|
| Extended Product Type | AX65-30-11-80  |
| Product ID            | 1SBL371074R8011  |
| EAN                   | 3471522406804  |
| Catalog Description   | AX65-30-11-80 220-230V50Hz/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. |

#### Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85364900 |

#### Popular Downloads

|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 9AKK107492A7059 |
| CAD Dimensional          | 2CDC001079B0201 |

## Drawing

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**Dimensions**


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|                            |         |
|----------------------------|---------|
| Product Net Width          | 82 mm   |
| Product Net Depth / Length | 110 mm  |
| Product Net Height         | 108 mm  |
| Product Net Weight         | 1.05 kg |

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**Technical**


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|   |   |
|---|---|
| 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<br>Main Circuit 690 V   |
| Rated Frequency (f)   | Auxiliary Circuit 50 / 60 Hz<br>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 95 A<br>(690 V) 40 °C 115 A<br>(690 V) 70 °C 80 A   |
| Rated Operational Current AC-3 ( $I_e$ )                    | (415 V) 55 °C 65 A<br>(440 V) 55 °C 65 A<br>(500 V) 55 °C 55 A<br>(690 V) 55 °C 43 A<br>(380 / 400 V) 55 °C 65 A<br>(220 / 230 / 240 V) 55 °C 65 A  |
| Rated Operational Power AC-3 ( $P_e$ )                      | (415 V) 37 kW<br>(440 V) 37 kW<br>(500 V) 37 kW<br>(690 V) 37 kW<br>(380 / 400 V) 30 kW<br>(220 / 230 / 240 V) 18.5 kW  |
| Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ ) | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 650 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 135 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 250 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1000 A<br>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<br>cos phi=0.45 (cos phi=0.35 for $I_e > 100\text{ A}$ ) at 690 V 630 A   |
| Maximum Electrical Switching Frequency                      | (AC-1) 600 cycles per hour<br>(AC-3) 600 cycles per hour  |
| 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  |

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|   |  |
|---|--|
| Maximum Mechanical Switching Frequency          | 3600 cycles per hour   |
| Rated Control Circuit Voltage (U <sub>c</sub> ) | 50 Hz 220 ... 230 V<br>60 Hz 230 ... 240 V   |
| Operate Time                                    | Between Coil De-energization and NC Contact Closing 7 ... 14 ms<br>Between Coil De-energization and NO Contact Opening 4 ... 11 ms<br>Between Coil Energization and NC Contact Opening 7 ... 22 ms<br>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<br>acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10<br>IP10   |
| Terminal Type                                   | Screw Terminals  |

## Technical UL/CSA

|                           |   |
|---------------------------|---|
| General Use Rating UL/CSA | (600 V AC) 90 A   |
| Horsepower Rating UL/CSA  | (120 V AC) Single Phase 5 hp<br>(200 ... 208 V AC) Three Phase 20 hp<br>(220 ... 240 V AC) Three Phase 25 hp<br>(240 V AC) Single Phase 10 hp<br>(440 ... 480 V AC) Three Phase 60 hp<br>(550 ... 600 V AC) Three Phase 75 hp |
| Tightening Torque UL/CSA  | Auxiliary Circuit 9 in-lb<br>Control Circuit 9 in-lb<br>Main Circuit 35 in-lb   |

## Environmental

|  |   |
|--|---|
| Ambient Air Temperature                | Close to Contactor Fitted with Thermal O/L Relay -25 ... 55 °C<br>Close to Contactor without Thermal O/L Relay -40 ... 70 °C<br>Close to Contactor for Storage -60 ... +80 °C<br>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 | Without Derating 3000 m   |
| REACH Declaration                      | 2CMT2021-006202   |
| RoHS Information                       | 2CMT2021-006277   |
| RoHS Status                            | Following EU Directive 2002/95/EC August 18, 2005 and amendment   |

## Certificates and Declarations

|                                 |                          |
|---------------------------------|--------------------------|
| CB Certificate                  | 9AKK107492A7074          |
| CCC Certificate                 | 9AKK107492A7091          |
| CCS Certificate                 | 9AKK107492A7096          |
| CQC Certificate                 | CQC2013010304646607      |
| Declaration of Conformity - CCC | 2020980304001064         |
| Declaration of Conformity - CE  | 1SBD250011U1000          |
| UL Certificate                  | UL_20140702-E312527-10-7 |

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## Container Information

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|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | 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            | 3471522406804 |
| Package Level 2 Units          | 10 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   | 11.6 kg       |

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## Classifications

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|                                    |  |
|------------------------------------|--|
| Object Classification Code         | Q  |
| ETIM 6                             | EC000066 - Power contactor, AC switching |
| ETIM 7                             | EC000066 - Power contactor, AC switching |
| ETIM 8                             | EC000066 - Power contactor, AC switching |
| eClass                             | V11.0 : 27371003                         |
| UNSPSC                             | 39121529                                 |
| IDEA Granular Category Code (IGCC) | 4755 >> Contactors                       |

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## Categories

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Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → AX Contactors → AX65

