PRODUCT-DETAILS

# CA4-31E

## CA4-31E Auxiliary Contact Block




### General Information

| | |
|---|---|
| Extended Product Type | CA4-31E |
| Product ID | 1SBN010140R1031 |
| EAN | 3471523130135 |
| Catalog Description | CA4-31E Auxiliary Contact Block |
| Long Description | CA4-31E is a 4-pole front mounted auxiliary contact block equipped with screw terminals. CA4-..E version offers terminal assortment matching the marking of 3-pole AF26(Z)(B)..96-30-00, AF40..96-30-11, AFC26..38-30-00, 4-pole AF09(Z)(B)..80-40-00 / AFC09..38-40-00 or AF09(Z)(B)..80-22-00 / AFC09..38-22-00 contactors. CA4-31E is available with 3 N.O. and 1 N.C. instantaneous contacts for standard industrial environments. |

### Ordering

| | |
|---|---|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85389099 |

### Popular Downloads

© 2024 ABB. All rights reserved.

| | |
|---|---|
| Data Sheet, Technical Information | 1SBC100214C0202 |
| Instructions and Manuals | 1SBC101041M6801 |
| CAD Dimensional Drawing | 2CDC001079B0201 |

## Dimensions

| | |
|---|---|
| Product Net Width | 43 mm |
| Product Net Depth / Length | 39.5 mm |
| Product Net Height | 43 mm |
| Product Net Weight | 0.055 kg |

## Technical

| | |
|---|---|
| Number of Auxiliary Contacts NO | 3 |
| Number of Auxiliary Contacts NC | 1 |
| Standards | IEC/EN 60947-5-1, UL 60947-5-1, CSA C22.2 No. 60947-5-1-14 |
| Rated Operational Voltage | Auxiliary Circuit 690 V |
| Rated Frequency (f) | Auxiliary Circuit 50 / 60 Hz |
| Conventional Free-air Thermal Current ($I_{th}$) | acc. to IEC 60947-5-1, Θ = 40 °C 16 A |
| Rated Operational Current AC-15 ($I_e$) | (500 V) 2 A<br>(690 V) 2 A<br>(24 / 127 V) 6 A<br>(220 / 240 V) 4 A<br>(400 / 440 V) 3 A |
| Rated Short-time Withstand Current Low Voltage ($I_{cw}$) | for 0.1 s 140 A<br>for 1 s 100 A |
| Maximum Electrical Switching Frequency | (AC-15) 1200 cycles per hour<br>(DC-13) 900 cycles per hour |
| Rated Operational Current DC-13 ($I_e$) | (24 V) 6 A / 144 W<br>(48 V) 2.8 A / 134 W<br>(72 V) 1 A / 72 W<br>(110 V) 0.55 A / 60 W<br>(125 V) 0.55 A / 69 W<br>(220 V) 0.27 A / 60 W<br>(250 V) 0.27 A / 68 W<br>(400 V) 0.15 A / 60 W<br>(500 V) 0.13 A / 65 W<br>(600 V) 0.1 A / 60 W |
| Rated Insulation Voltage ($U_i$) | acc. to IEC 60947-5-1 690 V<br>acc. to UL/CSA 600 V |
| Rated Impulse Withstand Voltage ($U_{imp}$) | 6 kV |
| Maximum Mechanical Switching Frequency | 3600 cycles per hour |
| Connecting Capacity Auxiliary Circuit | Flexible with Ferrule 1/2x 0.75 ... 2.5 mm²<br>Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm²<br>Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm²<br>Rigid Solid 1/2x 1 ... 2.5 mm²<br>Rigid Stranded 1/2x 1 ... 2.5 mm² |
| Wire Stripping Length | Auxiliary Circuit 10 mm |
| Degree of Protection | acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20 |

© 2024 ABB. All rights reserved.

| | |
|---|---|
| Terminal Type | Screw Terminals |
| Suitable For | AF09<br>AF09Z<br>AF16<br>AF16Z<br>AF26<br>AF26Z<br>AF30<br>AF30Z<br>AF38<br>AF38Z<br>AF40<br>AF52<br>AF65<br>AF80<br>AF96<br>AFC09<br>AFC16<br>AFC26<br>AFC30<br>AFC38<br>AF09B<br>AF09ZB<br>AF16B<br>AF16ZB<br>AF26B<br>AF26ZB<br>AF30B<br>AF30ZB<br>AF38B<br>AF38ZB<br>AF40B<br>AF52B<br>AF65B<br>AF80B<br>AF96B |

## Technical UL/CSA

| | |
|---|---|
| Connecting Capacity Auxiliary Circuit UL/CSA | Rigid Solid 1/2x 18-14 AWG<br>Rigid Stranded 1/2x 18-14 AWG |
| Tightening Torque UL/CSA | Auxiliary Circuit 11 in·lb |

## Material Compliance

| | |
|---|---|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| REACH Declaration | 2CMT2021-006202 |
| RoHS Information | 2CMT2021-006277 |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| WEEE B2C / B2B | Business To Business |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

## Certificates and Declarations

| | |
|---|---|
| ABS Certificate | ABS_20-2060694-PDA |
| BV Certificate | BV_2634H24900C0 |
| CB Certificate | CB_SE-112440 |
| CQC Certificate | CQC2011010304496319<br>CQC2013010304651497 |

© 2024 ABB. All rights reserved.

| | |
|---|---|
| Declaration of Conformity - CCC | 2020980304001258<br>2020980304001259 |
| Declaration of Conformity - CE | 1SBD250007U1000 |
| Declaration of Conformity - UKCA | 1SBD250038U1000 |
| DNV Certificate | DNV_TAE00001BV-5 |
| GOST Certificate | GOST_POCCFR.ME77.B07175.pdf |
| LR Certificate | LRS_LR23403517TA-02 |
| RINA Certificate | RINA_ELE084013XG |
| RMRS Certificate | RMRS_1802703280 |
| UL Certificate | UL-US-L252354-131-82119002-6<br>UL-CA-L252354-331-82119002-5 |
| UL Listing Card | UL_E252354 |

## Container Information

| | |
|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 46 mm |
| Package Level 1 Depth / Length | 46 mm |
| Package Level 1 Height | 46 mm |
| Package Level 1 Gross Weight | 0.055 kg |
| Package Level 1 EAN | 3471523130135 |
| Package Level 2 Units | box 192 piece |
| Package Level 2 Gross Weight | 10.56 kg |
| Package Level 3 Units | 4608 piece |

## Classifications

| | |
|---|---|
| Object Classification Code | K |
| ETIM 7 | EC000041 - Auxiliary contact block |
| ETIM 8 | EC000041 - Auxiliary contact block |
| ETIM 9 | EC000041 - Auxiliary contact block |
| eClass | V11.0 : 27371302 |
| UNSPSC | 39121522 |
| IDEA Granular Category Code (IGCC) | 4743 >> Auxiliary contact block |
| E-Number (Finland) | 3706512 |
| E-Number (Sweden) | 3211423 |

© 2024 ABB. All rights reserved.

## Categories

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




© 2024 ABB. All rights reserved.