



PRODUCT-DETAILS

UA95-30-11-84

UA95-30-11 110V 50Hz / 110-120V 60Hz

Contactor



| General Information   |                                                                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | UA95-30-11-84                                                                                                                                                                                    |
| Product ID            | 1SFL431022R8411                                                                                                                                                                                  |
| EAN                   | 7320500149515                                                                                                                                                                                    |
| Catalog Description   | UA95-30-11 110V 50Hz / 110-120V 60Hz Contactor                                                                                                                                                   |
| Long Description      | A 3-phase Contactor suitable for Capacitor switching application. Maximum permissible peak current 30 times the nominal RMS current. Operated with a control voltage, versions from 24V to 690 V |

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

| Popular Downloads                 |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SBC100214C0202 |
| Instructions and                  | 5309660-60      |

Manuals

|                         |                 |
|-------------------------|-----------------|
| CAD Dimensional Drawing | 2CDC001079B0201 |
|-------------------------|-----------------|

Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 102 mm   |
| Product Net Depth / Length | 123.5 mm |
| Product Net Height         | 148 mm   |
| Product Net Weight         | 1.8 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Number of Poles                                                   | 3P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Rated Operational Voltage                                         | Main Circuit 1000 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Rated Frequency (f)                                               | Main Circuit 50 / 60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Conventional Free-air Thermal Current (I <sub>th</sub> )          | acc. to IEC 60947-4-1, Open Contactors Θ = 40 °C 145 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Rated Operational Power AC-3 (P <sub>e</sub> )                    | (380 / 400 V) 45 kW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Rated Operational Power AC-6b (P <sub>e</sub> )                   | (230 / 240 V) 40 °C, 50 / 60 Hz 35 kvar<br>(230 / 240 V) 55 °C, 50 / 60 Hz 35 kvar<br>(230 / 240 V) 70 °C, 50 / 60 Hz 30 kvar<br>(400 / 415 V) 40 °C, 50 / 60 Hz 65 kvar<br>(400 / 415 V) 70 °C, 50 / 60 Hz 55 kvar<br>(400 / 415 V) 55 °C, 50 / 60 Hz 65 kvar<br>(440 V) 40 °C, 50 / 60 Hz 65 kvar<br>(440 V) 55 °C, 50 / 60 Hz 65 kvar<br>(440 V) 70 °C, 50 / 60 Hz 55 kvar<br>(500 / 550 V), 40 °C, 50 / 60 Hz 70 kvar<br>(500 / 550 V) 55 °C, 50 / 60 Hz 70 kvar<br>(500 / 550 V) 70 °C, 50 / 60 Hz 60 kvar<br>(690 V) 40 °C, 50 / 60 Hz 80 kvar<br>(690 V) 55 °C, 50 / 60 Hz 80 kvar<br>(690 V) 70 °C, 50 / 60 Hz 70 kvar |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ) | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 800 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 160 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 350 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1320 A<br>at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 500 A                                                                                                                                                                                                                                                                            |
| Maximum Breaking Capacity                                         | cos phi=0.45 (cos phi=0.35 for I <sub>e</sub> > 100 A) at 440 V 1160 A<br>cos phi=0.45 (cos phi=0.35 for I <sub>e</sub> > 100 A) at 690 V 800 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Rated Insulation Voltage (U <sub>i</sub> )                        | acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V<br>acc. to UL/CSA 600 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )               | Main Circuit 8 kV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Maximum Electrical Switching Frequency                            | 240 cycles per hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Mechanical Durability                                             | 10 million                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Maximum Mechanical                                                | 3600 cycles per hour                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

|                                                              |                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switching Frequency                                          |                                                                                                                                                                                                                                                                      |
| Coil Operating Limits                                        | (acc. to IEC 60947-4-1) 0.85 x U <sub>c</sub> Min. ... 1.1 x U <sub>c</sub> Max. (at $\theta \leq 70^\circ \text{C}$ )                                                                                                                                               |
| Rated Control Circuit Voltage (U <sub>c</sub> )              | 50 Hz 110 V<br>60 Hz 110 ... 120 V                                                                                                                                                                                                                                   |
| Coil Consumption                                             | Holding at Max. Rated Control Circuit Voltage 50 Hz 22 V·A<br>Holding at Max. Rated Control Circuit Voltage 60 Hz 26 V·A<br>Pull-in at Max. Rated Control Circuit Voltage 50 Hz 350 V·A<br>Pull-in at Max. Rated Control Circuit Voltage 60 Hz 450 V·A               |
| Power Loss                                                   | at Rated Operating Conditions per Pole 7.5 W                                                                                                                                                                                                                         |
| Operate Time                                                 | Between Coil De-energization and NC Contact Closing 7 ... 15 ms<br>Between Coil De-energization and NO Contact Opening 10 ... 18 ms<br>Between Coil Energization and NC Contact Opening 7 ... 22 ms<br>Between Coil Energization and NO Contact Closing 10 ... 25 ms |
| Connecting Capacity Main Circuit                             | Bar 30 mm <sup>2</sup><br>Flexible with Cable End 2 x 6 ... 35 mm <sup>2</sup><br>Rigid 1 x 10 ... 95 mm <sup>2</sup>                                                                                                                                                |
| Connecting Capacity Auxiliary Circuit                        | Flexible with Ferrule 2x 0.75 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2x 0.75 ... 2.5 mm <sup>2</sup><br>Flexible 2x0.75 ... 2.5 mm <sup>2</sup><br>Solid 1 x 1 ... 4 mm <sup>2</sup><br>Stranded 1 x 1 ... 4 mm <sup>2</sup>                     |
| Connecting Capacity                                          | Bar 30 mm <sup>2</sup><br>Flexible with Cable End 2 x 6 ... 35 mm <sup>2</sup><br>Rigid 2 x 6 ... 65 mm <sup>2</sup>                                                                                                                                                 |
| 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                                                                                                                                         |
| Connecting Terminals (delivered in open position) Main Poles | M8 hexagon socket screw with single connector                                                                                                                                                                                                                        |
| Tightening Torque                                            | Main Circuit 8 N·m                                                                                                                                                                                                                                                   |
| Terminal Type                                                | Cable Clamp                                                                                                                                                                                                                                                          |
| Product Name                                                 | Block Contactor                                                                                                                                                                                                                                                      |

## Technical UL/CSA

|                                  |                    |
|----------------------------------|--------------------|
| Maximum Operating Voltage UL/CSA | Main Circuit 600 V |
|----------------------------------|--------------------|

## Environmental

|                                            |                                                                                               |
|--------------------------------------------|-----------------------------------------------------------------------------------------------|
| Ambient Air Temperature                    | Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 U <sub>c</sub> ) -25 ... 50 °C |
|                                            | Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 U <sub>c</sub> ) -40 ... 70 °C     |
|                                            | Close to Contactor for Storage -60 ... +80 °C                                                 |
| Maximum Operating Altitude Permissible     | Without Derating 3000 m                                                                       |
| Resistance to Shock acc. to IEC 60068-2-27 | Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock<br>Direction: A 20 g    |
|                                            | Half-sine Pulse for 11 ms, No Change in Contact Position, Closed, Shock<br>Direction: A 20 g  |
|                                            | Half-sine Pulse for 11 ms, No Change in Contact Position, Closed, Shock<br>Direction: B1 15 g |
|                                            | Half-sine Pulse for 11 ms, No Change in Contact Position, Closed, Shock<br>Direction: C1 20 g |
|                                            | Half-sine Pulse for 11 ms, No Change in Contact Position, Closed, Shock<br>Direction: C2 20 g |
|                                            | Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock<br>Direction: B1 5 g    |
|                                            | Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock<br>Direction: B2 15 g   |
|                                            | Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock<br>Direction: C1 20 g   |
|                                            |                                                                                               |
|                                            |                                                                                               |

Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock  
Direction: C2 20 g

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 |
| 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)             |

Certificates and Declarations

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| CB Certificate                   | CB_CN64637                                 |
| CQC Certificate                  | CQC2003010304088242<br>CQC2009010304353513 |
| cULus Certificate                | 20160916- E36588                           |
| Declaration of Conformity - CCC  | 2020980304001551<br>2020980304001055       |
| Declaration of Conformity - CE   | 2CMT2015-005436                            |
| Declaration of Conformity - UKCA | 2CMT2020-006118                            |

Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 130 mm        |
| Package Level 1 Depth / Length | 265 mm        |
| Package Level 1 Height         | 162 mm        |
| Package Level 1 Gross Weight   | 2 kg          |
| Package Level 1 EAN            | 7320500149515 |

Classifications

|                                    |                                    |
|------------------------------------|------------------------------------|
| Object Classification Code         | Q                                  |
| ETIM 7                             | EC001079 - Capacitor contactor     |
| ETIM 8                             | EC001079 - Capacitor contactor     |
| ETIM 9                             | EC001079 - Capacitor contactor     |
| eClass                             | V11.0 : 27371006                   |
| UNSPSC                             | 39121529                           |
| IDEA Granular Category Code (IGCC) | 4756 >> Capacitor magnet contactor |

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## Categories

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Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → UA and UA..RA Contactors → UA95

