

Products → Low Voltage Products and Systems → Control Products → Contactor Starters → Reversing Contactors

## General Information

|                               |   |
|-------------------------------|---|
| <b>Extended Product Type:</b> | VBC7-30-01-F-07   |
| <b>Product ID:</b>            | GJL1313903R0017   |
| <b>EAN:</b>                   | 4013614404337   |
| <b>Catalog Description:</b>   | VBC7-30-01-F-07 Mini Reversing Contactor  |
| <b>Long Description:</b>      | The VBC7-30-01-F mini reversing contactor is a compact 3 pole contactor with 1 auxiliary contact, flat pin connection and normal mechanical interlock. They are ideally suited for applications where reliability is a must and space is at a premium. Mini reversing contactors are used in residential buildings, commercial buildings and industrial applications for the control of three-phase motor loads up to 5.5 kW (AC-3). Further features are the noiseless and hum-free coil, a switch position indication and the integrated possibility for rail or wall mounting. |

## Ordering

|                                |          |
|--------------------------------|----------|
| <b>Minimum Order Quantity:</b> | 1 piece  |
| <b>Customs Tariff Number:</b>  | 85365080 |

## Popular Downloads

|   |                 |
|---|-----------------|
| <b>Data Sheet, Technical Information:</b> | 1SBC100173C0201 |
| <b>Instructions and Manuals:</b>          | 2CDC102046M6801 |
| <b>Dimension Diagram:</b>                 | GJL1200448F0001 |

## Dimensions

|                            |          |
|----------------------------|----------|
| <b>Product Net Width:</b>  | 96.5 mm  |
| <b>Product Net Height:</b> | 57.5 mm  |
| <b>Product Net Depth:</b>  | 46.5 mm  |
| <b>Product Net Weight:</b> | 0.345 kg |

## Technical

|   |   |
|---|---|
| <b>Contactor Starter Type:</b>          | Compact Reversing Contactor with Normal Interlock |
| <b>Number of Auxiliary Contacts NC:</b> | 1   |
| <b>Number of Auxiliary Contacts NO:</b> | 0   |
| <b>Number of Main Contacts NC:</b>      | 0   |
| <b>Number of Main Contacts NO:</b>      | 3   |
| <b>Number of Poles:</b>                 | 4   |
| <b>Pollution Degree:</b>                | 3   |

|  |  |
|--|--|
| <b>Rated Frequency (f):</b>                                    | Main Circuit 60 Hz<br>Main Circuit 50 Hz<br>Main Circuit DC  |
| <b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>      | Main Circuit 6 kV  |
| <b>Rated Insulation Voltage (U<sub>i</sub>):</b>               | 690 V<br>acc. to UL/CSA 600 V  |
| <b>Rated Operational Current AC-1 (I<sub>e</sub>):</b>         | (220 / 240 V) 40 °C 20 A<br>(220 / 240 V) 55 °C 16 A<br>(380 / 440 V) 40 °C 20 A<br>(380 / 440 V) 55 °C 16 A<br>(690 V) 40 °C 6 A<br>(690 V) 55 °C 6 A |
| <b>Rated Operational Current AC-3 (I<sub>e</sub>):</b>         | (380 / 400 V) 55 °C 11.5 A   |
| <b>Rated Operational Voltage:</b>                              | Auxiliary Circuit 12 ... 240 V DC<br>Auxiliary Circuit 12 ... 500 V AC<br>Main Circuit 690 V AC  |
| <b>Conventional Free-air Thermal Current (I<sub>th</sub>):</b> | Main Circuit 20 A  |
| <b>Rated Control Circuit Voltage (U<sub>c</sub>):</b>          | 12 V DC  |
| <b>Coil Operating Limits:</b>                                  | (acc. to IEC 60947-4-1) for DC supply 0.85 ... 1.1 x U <sub>c</sub> (at θ ≤ 55 °C)   |
| <b>Degree of Protection:</b>                                   | Main Circuit Terminals IP20  |
| <b>Mechanical Durability:</b>                                  | 10000000 cycle   |
| <b>Mounting on DIN Rail:</b>                                   | TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715<br>TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715   |
| <b>Standards:</b>  | IEC/EN 60947-1<br>IEC/EN 60947-4-1<br>IEC/EN 60947-5-1<br>UL 60947-1<br>UL 60947-4-1   |

## Environmental

|  |  |
|--|--|
| <b>Ambient Air Temperature:</b>                        | Operation -20 ... +55 °C<br>Storage -40 ... +80 °C |
| <b>Maximum Operating Altitude Permissible:</b>         | 2000 m   |
| <b>Resistance to Shock acc. to IEC 60068-2-27:</b>     | 11 ms Pulse 15g                                    |
| <b>Resistance to Vibrations acc. to IEC 60068-2-6:</b> | 5g / 5 ... 150 Hz                                  |
| <b>RoHS Status:</b>                                    | Following EU Directive 2011/65/EU                  |

Technical UL/CSA

**Maximum Operating Voltage** Main Circuit 600 V AC  
**UL/CSA:**

**Horsepower Rating UL/CSA:** (208 V AC) Three Phase 3 Hp  
(220 ... 240 V AC) Single Phase 1.5 Hp  
(220 ... 240 V AC) Three Phase 3 Hp  
(440 ... 480 V AC) Three Phase 5 Hp  
(550 ... 600 V AC) Three Phase 5 Hp

**General Use Rating UL/CSA:** (600 V AC) 16 A

## Certificates and Declarations (Document Number)

**BV Certificate:** 1SAA920000-0204

**CB Certificate:** 1SAA938000-2002

**CCC Certificate:** 1SAA938001-3804

**cUL Certificate:** cUL E191658

**Declaration of Conformity - CE:** 1SAD938512-0001

**DNV GL Certificate:** 1SAA938000-0306

**EAC Certificate:** 1SAA920000-2702

**Instructions and Manuals:** 2CDC102046M6801

**KC Certificate:** 1SAA938000-1501

**LR Certificate:** 1SAA938000-0504

**RMRS Certificate:** 1SAA938000-0704

**RoHS Information:** 1SAD938512-0001

## Container Information

**Package Level 1 Units:** 5 piece

**Package Level 1 Width:** 115 mm

**Package Level 1 Height:** 54 mm

**Package Level 1 Length:** 280 mm

**Package Level 1 Gross Weight:** 1.795 kg

**Package Level 1 EAN:** 4013614419379

## Classifications

**Object Classification Code:** Q

**ETIM 4:** EC000066 - Magnet contactor, AC-switching

**ETIM 5:** EC000010 - Starter combination

**ETIM 6:** EC000010 - Combination of contactors

**ETIM 7:** EC000010 - Combination of contactors

**eClass:** 7.0 27371009

**UNSPSC:** 39121529

