

# VBC7A-30-10-F-05



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

## General Information

<b>Extended Product Type:</b>	VBC7A-30-10-F-05
<b>Product ID:</b>	GJL1313913R0105
<b>EAN:</b>	4013614190278
<b>Catalog Description:</b>	VBC7A-30-10-F-05 Mini Reversing Contactor
<b>Long Description:</b>	The VBC7A-30-10-F mini reversing contactor is a compact 3 pole contactor with 1 auxiliary contact, flat pin connection and mechanical interlock and safety blocking. 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 Mechanical Interlock and Safety Blocking
<b>Number of Auxiliary Contacts NC:</b>	0
<b>Number of Auxiliary Contacts NO:</b>	1
<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 Main Circuit 50 Hz 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 acc. to UL/CSA 600 V
<b>Rated Operational Current AC-1 (I<sub>e</sub>):</b>	(220 / 240 V) 40 °C 20 A (220 / 240 V) 55 °C 16 A (380 / 440 V) 40 °C 20 A (380 / 440 V) 55 °C 16 A (690 V) 40 °C 6 A (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 Auxiliary Circuit 12 ... 500 V AC 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>	220 ... 240 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 $\theta \leq 55$ °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 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
<b>Power Loss:</b>	at Rated Operating Conditions per Pole 2 W
<b>Standards:</b>	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1

## Environmental

<b>Ambient Air Temperature:</b>	Operation -20 ... +55 °C 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

**Resistance to Vibrations acc. to IEC 60068-2-6:** 5g / 5 ... 150 Hz

**RoHS Status:** Following EU Directive 2011/65/EU

## Technical UL/CSA

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

**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:** 4013614419874

## 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

