

VBC7A-30-01-01



General Information

Extended Product Type:	VBC7A-30-01-01
Product ID:	GJL1313911R0011
EAN:	4013614155475
Catalog Description:	VBC7A-30-01-01 Mini Reversing Contactor
Long Description:	The VBC7A-30-01 mini reversing contactor is a compact 3 pole contactor with 1 auxiliary contact, screw terminals 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 buldings, 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 a switch position indication and the integrated possibility for rail or wall mounting.

Categories

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

Ordering

EAN:	4013614155475
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85365080

Dimensions

Product Net Width:	96.5 mm
Product Net Height:	57.5 mm
Product Net Depth:	46.5 mm
Product Net Weight:	0.355 kg

Container Information

Package Level 1 Units:	5 piece
Package Level 1 Width:	115.0 mm
Package Level 1 Height:	54.0 mm
Package Level 1 Length:	280.0 mm
Package Level 1 Gross Weight:	1.845 kg
Package Level 1 EAN:	4013614419621

Environmental

Ambient Air Temperature:	Operation -20 ... +55 °C Storage -40 ... +80 °C
Maximum Operating Altitude Permissible:	2000 m
Resistance to Shock acc. to IEC 60068-2-27:	11 ms Pulse 15g
Resistance to Vibrations acc. to IEC 60068-2-6:	5g / 5 ... 150 Hz
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment

Technical

Contactor Starter Type:	Compact Reversing Contactor with Mechanical Interlock and Safety Blocking
Number of Auxiliary Contacts NC:	1
Number of Auxiliary Contacts NO:	0
Number of Main Contacts NC:	0

Number of Main Contacts NO:	3
Number of Poles:	4
Pollution Degree:	3
Rated Frequency (f):	Main Circuit 60 Hz Main Circuit 50 Hz Main Circuit DC
Rated Impulse Withstand Voltage (U_{imp}):	Main Circuit 6 kV
Rated Insulation Voltage (U_i):	acc. to UL/CSA 600 V
Rated Operational Current AC-1 (I_e):	(220/240V) 40°C 20 A (220/240V) 55°C 16 A (380/440V) 40°C 20 A (380/440V) 55°C 16 A (690V) 40°C 6 A (690V) 55°C 6 A
Rated Operational Voltage:	Main Circuit 690 V AC
Conventional Free-air Thermal Current (I_{th}):	Main Circuit 20.00 A
Rated Control Circuit Voltage (U_c):	24 V DC
Coil Operating Limits:	(acc. to IEC 60947-4-1) for DC supply 0.85 ... 1.1 x U _c (at θ ≤ 55 °C)
Degree of Protection:	Main Circuit Terminals IP20
Mechanical Durability:	10000000 cycle
Connecting Capacity-Main Circuit:	Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
Connecting Capacity-Auxiliary Circuit:	Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
Connecting Capacity-Control Circuit:	Flexible with Ferrule 1/2x 1 ... 2.5 mm ² Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm ² Flexible 1/2x 1 ... 2.5 mm ² Rigid 1/2x 1 ... 4 mm ²
Tightening Torque:	Control Circuit 0.8 ... 1.1 N·m Main Circuit 0.8 ... 1.1 N·m
Wire Stripping Length:	Auxiliary Circuit 9 mm Main Circuit 9 mm
Mounting on DIN Rail:	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
Power Loss:	Per Pole 2 W
Standards:	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Horse Power Rating UL/CSA:	208V AC Three Phase 3.00 Hp 220 ... 240V AC Three Phase 3.00 Hp 440 ... 480V AC Three Phase 5.00 Hp 550 ... 600V AC Three Phase 5.00 Hp
General Use Rating UL/CSA:	600V AC 16.00 A
Connecting Capacity-Main Circuit UL/CSA:	Stranded 1/2x 22 ... 10 AWG
Connecting Capacity-Auxiliary Circuit UL/CSA:	Stranded 1/2x 22 ... 10 AWG

Tightening Torque UL/CSA: Auxiliary Circuit 7 in·lb
Control Circuit 7 in·lb
Main Circuit 7 in·lb

Certificates and Declarations (Document Number)

CB Certificate: 1SAA938000-2002
CCC Certificate: 1SAA938001-3804
cUL Certificate: 1SAA938003-1701
Declaration of Conformity - CE: 1SAD938509-0001
EAC Certificate: 1SAA920000-2702
RMRS Certificate: 1SAA938000-0703
RoHS Information: 1SAA938003-4403
UL Certificate: 1SAA938000-1604

Classifications

Object Classification Code: Q
ETIM 4.0: EC000066 - Magnet contactor, AC-switching
ETIM 5.0: EC000010 - Starter combination
UNSPSC: 39121529
