



Representative

Project: Anixter
Location: Glenview**Anixter****Catalog Number:** VBC6-30-01-01
UPC Number: 80432539496
Status: Active

3 pole, plus 2 NC auxiliary contacts, 12 amp, mechanically interlocked miniature contactor, 24V DC coil and screw terminals

Header

3D Model Available on Website

North American Specifications (UNSPSC)

UNSPSC	39121529 Contactors
IGCC	4755 Contactors
Brand Name	ABB
Type	Contactors
Application	Compact solutions up to 5 hp, 5.5 kW
Standard	CB, CCC, cUL, CE, EAC, UL, RoHS
Size	96.5x57.5x46.5mm
Operating Temperature	-20 to +55 Degrees C

Packaging

Inner Quantity	1
Outer Quantity	5
Outer Dimensions (inches)	11.02x4.53x2.13
Weight Uom	79.5 lbs. per 100

Documents / Support Tools

Technical Data Sheet CA Available on Website

For further technical assistance, please contact us...Thomas & Betts - USA
8155 T&B Blvd.
Memphis, TN 38125
www.tnb.comT&B Technical Support
MS 3B-50
8155 T&B Blvd.
Memphis, TN 38125Hours: 7AM - 6PM CDT
Monday-Friday
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Fax: (901) 252-1321
Email:techsupport@tnb.com

VBC6-30-01-01

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General Information

Extended Product Type:	VBC6-30-01-01
Product ID:	GJL1213901R0011
EAN:	4013614053689
Catalog Description:	VBC6-30-01-01 Mini Reversing Contactor
Long Description:	The VBC6-30-01 mini reversing contactor is a compact 3 pole contactor with 1 auxiliary contact, screw terminals 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 4 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.



Categories

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

Ordering

EAN:	4013614053689
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:	4013614415746

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	5g / 5 ... 150 Hz

60068-2-6:

RoHS Status:

Following EU Directive 2002/95/EC August 18, 2005 and amendment

Technical

Contactor Starter Type:	Compact Reversing Contactor with Normal Interlock
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_θ):	(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:	Auxiliary Circuit Terminals IP20 Control Circuit Terminals IP20 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 1.00 Hp 220 ... 240V AC Three Phase 2.00 Hp 440 ... 480V AC Three Phase 3.00 Hp 550 ... 600V AC Three Phase 1.00 Hp
General Use Rating UL/CSA:	300V AC 12.00 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:	1SAD938510-0001
EAC Certificate:	1SAA920000-2702
RMRS Certificate:	1SAA938000-0703
RoHS Information:	1SAA938001-4402
UL Certificate:	1SAA938000-1604

Classifications

Object Classification Code:	Q
eClass:	7.0 27371009
ETIM 4.0:	EC000066 - Magnet contactor, AC-switching
ETIM 5.0:	EC000010 - Starter combination
UNSPSC:	39121529
