

PRODUCT-DETAILS

# VB6A-30-01-03

## VB6A-30-01-03 Mini Reversing Contactor 48 V AC - 3 NO - 0 NC - Screw Terminals



### Informations générales

Extension du type de produit	VB6A-30-01-03
Code de produit	GJL1211911R0013
EAN	4013614152153
Description courte	VB6A-30-01-03 Mini Reversing Contactor 48 V AC - 3 NO - 0 NC - Screw Terminals
Description longue	The VB6A-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 buildings, commercial buildings and industrial applications for the control of three-phase motor loads up to 4 kW (AC-3). Further features are the silent coil, a switch position indication and the integrated possibility for rail or wall mounting.

### Commande

Quantité minimum	1 pièce
Code douanier	85365080

### Downloads Préférés

Fiche produit, informations techniques	1SBC100214C0202
Instructions et manuels	2CDC102046M6801
CAD Dimensional Drawing	2CDC001079B0201

## Dimensions

Produit Largeur Net	96.2 mm
Produit Hauteur Net	57.5 mm
Produit Longueur Net	46.7 mm
Poids net	0.355 kg

## Technique

Nombre de pôles	3
Tension	Circuit auxiliaire 690 V AC Circuit auxiliaire 250 V DC Circuit principal 690 V AC Circuit principal 220 V DC
Fréquence assignée (f)	Circuit de commande 400 Hz Circuit de commande 50 Hz Circuit de commande 60 Hz Circuit principal 60 Hz Circuit principal 50 Hz Circuit principal DC
Tension assignée de tenue aux chocs ( $U_{imp}$ )	Circuit principal 6 kV
Tension assignée d'isolement ( $U_i$ )	690 V acc. to UL/CSA 600 V
Number of Main Contacts NC	0
Number of Main Contacts NO	3
Courant assignée d'emploi AC-1 ( $I_e$ )	(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
Puissance assignée d'emploi AC-3 ( $P_e$ )	(230 V) Three Phase 2.2 kW (400 V) Three Phase 4 kW (500 V) Three Phase 4 kW (690 V) Three Phase, NO 3 kW
Courant assigné de courte durée admissible ( $I_{cw}$ )	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 64 A
Number of Auxiliary Contacts NC	1
Number of Auxiliary Contacts NO	0
Courant assignée d'emploi AC-15 ( $I_e$ )	(440 V AC) 3 A (24 V) 4 A (120 V) 4 A (240 V) 4 A (500 V) 2 A (380 / 400 V) 3 A
Courant assignée d'emploi DC-13 ( $I_e$ )	(24 V) 2.5 A (110 V) 0.7 A (220 / 240 V) 0.4 A
Courant thermique conventionnel à l'air libre ( $I_{th}$ )	Main Circuit 20 A
Rated Control Circuit Voltage ( $U_c$ )	48 V AC
Plage d'utilisation de la bobine selon	(acc. to IEC 60947-4-1) for AC supply 0.85 ... 1.1 x $U_c$ (at $\theta \leq 55$ °C) (acc. to IEC 60947-4-1) for DC supply 0.85 ... 1.1 x $U_c$ (at $\theta \leq 55$ °C)
Indice de protection	Auxiliary Circuit Terminals IP20

	Control Circuit Terminals IP20 Main Circuit Terminals IP20
Degré de pollution	3
Durabilité mécanique	10000000 cycle
Minimum Switching Capacity	Auxiliary Circuit 17 V Auxiliary Circuit 5 mA
Maximum Electrical Switching Frequency	(AC-1) 300 cycles per hour (AC-15) 600 cycles per hour (AC-3) 600 cycles per hour (DC-1) 600 cycles per hour (DC-13) 600 cycles per hour (DC-3) 600 cycles per hour
Connecting Capacity Main Circuit	Flexible with Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible 1/2x 1 ... 2.5 mm <sup>2</sup> Rigid 1/2x 1 ... 4 mm <sup>2</sup>
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible 1/2x 1 ... 2.5 mm <sup>2</sup> Rigid 1/2x 1 ... 4 mm <sup>2</sup>
Connecting Capacity Control Circuit	Flexible with Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup> Flexible 1/2x 1 ... 2.5 mm <sup>2</sup> Rigid 1/2x 1 ... 4 mm <sup>2</sup>
Wire Stripping Length	Auxiliary Circuit 9 mm Main Circuit 9 mm
Couple de serrage	Control Circuit 0.8 ... 1.1 N·m Main Circuit 0.8 ... 1.1 N·m
Recommended Screw Driver	M3 Pozidriv 1
Montage sur rail DIN	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Power Loss	at Rated Operating Conditions AC-1 per Pole 1 W
Normes et standards	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1

## Technique UL/CSA

Maximum Operating Voltage UL/CSA	Circuit principal 600 V AC
Full Load Amps Motor Use	(115 V AC) Single Phase 5.8 A (200 V AC) Three Phase 4.8 A (220 ... 240 V AC) Three Phase 6.8 A (230 V AC) Single Phase 4.9 A (440 ... 480 V AC) Three Phase 4.8 A (550 ... 600 V AC) Three Phase 1.7 A
Puissance nominale UL/CSA	(115 V AC) Single Phase 0.25 Hp (200 V AC) Three Phase 1 Hp (220 ... 240 V AC) Three Phase 2 Hp (230 V AC) Single Phase 0.5 Hp (440 ... 480 V AC) Three Phase 3 Hp (550 ... 600 V AC) Three Phase 1 Hp
General Use Rating UL/CSA	(300 V AC) 12 A
Contact Rating UL/CSA	A600
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

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**Environnement**


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Température de l'air ambiant	Operation -20 ... +55 °C Storage -40 ... +80 °C
Altitude de fonctionnement maximale autorisée	2000 m
Résistance aux chocs selon CEI 60068-2-27	11 ms Pulse 15g
Resistance to Vibrations acc. to IEC 60068-2-6	5g / 5 ... 150 Hz
Statut RoHS	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

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**Certificats et Déclarations (Numéro de document)**


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CB Certificate	1SAA938000-2002
CQC Certificate	CQC2003010304064033
Declaration of Conformity - CCC	2020980304001854
Déclaration de Conformité - CE	1SAD101100-3101
Declaration of Conformity - UKCA	1SAD201100-3101
DNV GL Certificate	1SAA938000-0306
EAC Certificate	1SAA920000-2702
KC Certificate	1SAA938000-1501
Certificat RMRS	1SAA938000-0704
Certificat UL	E191658-19881208

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**Emballage**


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Emballage Niveau 1 Unités	5 pièce
Emballage Niveau 1 Largeur	115 mm
Emballage Niveau 1 Hauteur	54 mm
Emballage Niveau 1 Longueur	280 mm
Emballage Niveau 1 Poids	1.845 kg
Emballage Niveau 1 EAN	4013614414138

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**Classifications**


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Code de classification d'objet	Q
ETIM 4	EC000066 - Magnet contactor, AC-switching
ETIM 5	EC000010 - Starter combination
ETIM 6	EC000010 - combinaison de contacteur
ETIM 7	EC000010 - Combination of contactors
ETIM 8	EC000010 - Combination of contactors
eClass	V11.0 : 27371009
UNSPSC	39121529

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## Catégories

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Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Contacteurs → Mini contacteurs

