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 PRODUCT-DETAILS

# VB7-30-01-01

## VB7-30-01-01 Mini Reversing Contactor 24 V AC - 3 NO - 0 NC - Screw Terminals



360°

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### Informations générales

Extension du type de produit	VB7-30-01-01
Code de produit	GJL1311901R0011
EAN	4013614191251
Description courte	VB7-30-01-01 Mini Reversing Contactor 24 V AC - 3 NO - 0 NC - Screw Terminals
Description longue	The VB7-30-01 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 5.5 kW (AC-3). Further features are the silent coil, a <u>switch position indication and the integrated possibility for rail or wall mounting.</u>

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### Commande

Quantité minimum	1 pièce
Code douanier	85365080

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### Downloads Préférés

Fiche produit, informations techniques	1SBC100214C0202
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Instructions et manuels	2CDC102046M6801
CAD Dimensional Drawing	2CDC001079B0201
Schéma dimensionnel	GJL1200447F0001

## Dimensions

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

## Technique

Number of Main Contacts NO	3
Number of Main Contacts NC	0
Number of Auxiliary Contacts NO	0
Number of Auxiliary Contacts NC	1
Nombre de pôles	3P
Normes et standards	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1 IEC 60335-2-40 A2L
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 principal 60 Hz Circuit principal 50 Hz Circuit principal DC
Courant thermique conventionnel à l'air libre ( $I_{th}$ )	Main Circuit 20 A
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
Courant assignée d'emploi AC-3 ( $I_e$ )	(230 V) 55°C 12 A (400 V) 55 °C 12 A (500 V) 55 °C 9 A (690 V) NO 55°C 3.5 A
Puissance assignée d'emploi AC-3 ( $P_e$ )	(230 V) Three Phase 3 kW (400 V) Three Phase 5.5 kW (500 V) Three Phase 5.5 kW (690 V) Three Phase, NO 3 kW
Pouvoir assigné de coupure AC-3	8 x $I_e$ / AC-3
Pouvoir assigné de fermeture AC-3	10 x $I_e$ / AC-3
Courant assigné de courte durée admissible ( $I_{cw}$ )	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 96 A
Tension assignée d'isolement ( $U_i$ )	690 V acc. to UL/CSA 600 V
Tension assignée de tenue aux chocs ( $U_{imp}$ )	Circuit principal 6 kV
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
Durabilite mecanique	Nr. Operations 10000000 cycle
Minimum Switching Capacity	Auxiliary Circuit 17 V Auxiliary Circuit 5 mA
Plage d'utilisation de la bobine selon	(acc. to IEC 60947-4-1) for AC supply 0.85 ... 1.1 x U <sub>c</sub> (at $\theta \leq 55^\circ\text{C}$ )
Rated Control Circuit Voltage (U <sub>c</sub> )	24 V AC
Coil Consumption	Average Holding Value 50 Hz 3.5 V·A Average Pull-in Value 50 Hz 3.5 V·A
Power Loss	at Rated Operating Conditions AC-1 per Pole 1.4 W
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
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
Indice de protection	Main Circuit Terminals IP20
Recommended Screw Driver	M3 Pozidriv 1
Couple de serrage	Control Circuit 0.8 ... 1.1 N·m Main Circuit 0.8 ... 1.1 N·m
Type de borne	Screw Terminals
Type de produit	Mini Reversing Contactor

## Technique UL/CSA

Maximum Operating Voltage UL/CSA	Circuit principal 600 V AC
General Use Rating UL/CSA	(600 V AC) 16 A
Puissance nominale UL/CSA	(115 V AC) Single Phase 0.75 Hp (200 V AC) Three Phase 2 Hp (220 ... 240 V AC) Three Phase 3 Hp (230 V AC) Single Phase 1.5 Hp (440 ... 480 V AC) Three Phase 5 Hp (550 ... 600 V AC) Three Phase 5 Hp
Connecting Capacity Main Circuit UL/CSA	Stranded 1/2x 22-10 AWG
Connecting Capacity Auxiliary Circuit UL/CSA	Stranded 1/2x 22-10 AWG
Contact Rating UL/CSA	A600
Tightening Torque UL/CSA	Auxiliary Circuit 7 in·lb Control Circuit 7 in·lb Main Circuit 7 in·lb
Full Load Amps Motor Use	(115 V AC) Single Phase 13.8 A (200 V AC) Three Phase 7.8 A (220 ... 240 V AC) Three Phase 9.6 A (230 V AC) Single Phase 10 A (440 ... 480 V AC) Three Phase 7.6 A (550 ... 600 V AC) Three Phase 6.1 A

## Environnement

Température de l'air	Operation -20 ... +55 °C
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ambient	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	5g 5 ... 150 Hz
Degré de pollution	3

## Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
Informations RoHS	2CMT2021-006277
Statut RoHS	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006525
WEEE B2C / B2B	Business To Business
Catégorie DEEE	5. Small Equipment (No External Dimension More Than 50 cm)

## ABB EcoSolutions

Instructions relatives à la fin de vie	1SBC100156C0269
Environmental Product Declaration - EPD	1SAC200410H0001

## Certificats et Déclarations (Numéro de document)

A2L Certificate - IEC	1SAA938000-4601
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

## Emballage

Emballage Niveau 1 Unités	box 5 pièce
Emballage Niveau 1 Largeur	115 mm
Emballage Niveau 1 Longueur	280 mm
Emballage Niveau 1 Hauteur	54 mm
Emballage Niveau 1 Poids	1.845 kg
Emballage Niveau 1 EAN	4013614417344

## External Classifications and Standards

Code de classification d'objet	Q
ETIM 7	EC000010 - Combination of contactors
ETIM 8	EC000010 - Combination of contactors
ETIM 9	EC000010 - Combination of contactors
eClass	V11.0 : 27371009
UNSPSC	39121529
Code de catégorie granulaire IDEA (IGCC)	4761 >> Magnet contactor, AC-switching

## Catégories

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



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