

PRODUCT-DETAILS

VBC7-30-01-04

VBC7-30-01-04 Mini Reversing Contactor 110 ... 125 V DC - 3 NO - 0 NC - Screw Terminals



Informations générales

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|------------------------------|---|
| Extension du type de produit | VBC7-30-01-04 |
| Code de produit | GJL1313901R0014 |
| EAN | 4013614191602 |
| Description courte | VBC7-30-01-04 Mini Reversing Contactor 110 ... 125 V DC - 3 NO - 0 NC - Screw Terminals |

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| Description longue | The VBC7-30-01 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 noiseless and hum-free coil, a switch position indication and the integrated possibility for rail or wall mounting. |
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Commande

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| Quantité minimum | 1 pièce |
| Code douanier | 85365080 |

Downloads Préférés

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| Fiche produit, informations | 1SBC100214C0202 |
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techniques

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| Instructions et manuels | 2CDC102046M6801 |
| CAD Dimensional Drawing | 2CDC001079B0201 |
| Schéma dimensionnel | GJL1200447F0001 |

Dimensions

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

Technique

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| 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 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 3 kW (400 V) Three Phase 5.5 kW (500 V) Three Phase 5.5 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 96 A |
| Number of Auxiliary Contacts NC | 1 |
| Number of Auxiliary Contacts NO | 0 |
| Courant thermique conventionnel à l'air libre (I_{th}) | Main Circuit 20 A |
| Rated Control Circuit Voltage (U_c) | 110 ... 125 V DC |
| Plage d'utilisation de la bobine selon | (acc. to IEC 60947-4-1) for DC supply 0.85 ... 1.1 x U_c (at $\theta \leq 55$ °C) |

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| Indice de protection | 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 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 |
| 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 1.4 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

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| Maximum Operating Voltage UL/CSA | Circuit principal 600 V AC |
| 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 |
| 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 |
| General Use Rating UL/CSA | (600 V AC) 16 A |
| Contact Rating UL/CSA | A600 |
| Connecting Capacity Main | Stranded 1/2x 22-10 AWG |

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| Circuit UL/CSA | |
| 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 |

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 |

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 |

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 | 4013614419171 |

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 |
| Code de catégorie granulaire IDEA (IGCC) | 4763 >> Power contactor, DC switching |

Catégories

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

