

## PRODUCT-DETAILS

# VB6-30-10-80

## VB6-30-10-80 Mini Rev.Contactor 220-240V 40-450Hz



### Informations générales

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extension du type de produit | VB6-30-10-80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Code de produit              | GJL1211901R8100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| EAN                          | 4013614153150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Description courte           | VB6-30-10-80 Mini Rev.Contactor 220-240V 40-450Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Description longue           | The VB6-30-10 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 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 |
| Dimension Diagram                      | GJL1200447F0001 |

## Dimensions

|                      |          |
|----------------------|----------|
| Produit Largeur Net  | 96.5 mm  |
| Produit Hauteur Net  | 57.5 mm  |
| Produit Longueur Net | 46.5 mm  |
| Poids net            | 0.355 kg |

## Technique

|                                                            |                                                                                                                                                                    |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nombre de pôles                                            | 3                                                                                                                                                                  |
| Tension                                                    | Circuit auxiliaire 690 V AC<br>Circuit auxiliaire 250 V DC<br>Circuit principal 690 V AC<br>Circuit principal 220 V DC                                             |
| Fréquence assignée (f)                                     | Circuit de commande 400 Hz<br>Circuit de commande 50 Hz<br>Circuit de commande 60 Hz<br>Circuit principal 60 Hz<br>Circuit principal 50 Hz<br>Circuit principal DC |
| Tension assignée de tenue aux chocs ( $U_{imp}$ )          | Circuit principal 6 kV                                                                                                                                             |
| Tension assignée d'isolement ( $U_i$ )                     | 690 V<br>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<br>(220 / 240 V) 55 °C 16 A<br>(380 / 440 V) 40 °C 20 A<br>(380 / 440 V) 55 °C 16 A<br>(690 V) 40 °C 6 A<br>(690 V) 55 °C 6 A             |
| Puissance assignée d'emploi AC-3 ( $P_e$ )                 | (230 V) Three Phase 2.2 kW<br>(400 V) Three Phase 4 kW<br>(500 V) Three Phase 4 kW<br>(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                            | 0                                                                                                                                                                  |
| Number of Auxiliary Contacts NO                            | 1                                                                                                                                                                  |
| Courant assignée d'emploi AC-15 ( $I_e$ )                  | (440 V AC) 3 A<br>(24 V) 4 A<br>(120 V) 4 A<br>(240 V) 4 A<br>(500 V) 2 A<br>(380 / 400 V) 3 A                                                                     |
| Courant assignée d'emploi DC-13 ( $I_e$ )                  | (24 V) 2.5 A<br>(110 V) 0.7 A<br>(220 / 240 V) 0.4 A                                                                                                               |
| Courant thermique conventionnel à l'air libre ( $I_{th}$ ) | Main Circuit 20 A                                                                                                                                                  |

|                                         |                                                                                                                                                                                                         |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Control Circuit Voltage ( $U_c$ ) | 220 ... 240 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 $\theta \leq 55^\circ \text{C}$ )<br>(acc. to IEC 60947-4-1) for DC supply 0.85 ... 1.1 x $U_c$ (at $\theta \leq 55^\circ \text{C}$ )    |
| Indice de protection                    | Auxiliary Circuit Terminals IP20<br>Control Circuit Terminals IP20<br>Main Circuit Terminals IP20                                                                                                       |
| Degré de pollution                      | 3                                                                                                                                                                                                       |
| Durabilité mécanique                    | 10000000 cycle                                                                                                                                                                                          |
| Minimum Switching Capacity              | Auxiliary Circuit 17 V<br>Auxiliary Circuit 5 mA                                                                                                                                                        |
| Maximum Electrical Switching Frequency  | (AC-1) 300 cycles per hour<br>(AC-15) 600 cycles per hour<br>(AC-3) 600 cycles per hour<br>(DC-1) 600 cycles per hour<br>(DC-13) 600 cycles per hour<br>(DC-3) 600 cycles per hour                      |
| Connecting Capacity Main Circuit        | Flexible with Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup><br>Flexible 1/2x 1 ... 2.5 mm <sup>2</sup><br>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><br>Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup><br>Flexible 1/2x 1 ... 2.5 mm <sup>2</sup><br>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><br>Flexible with Insulated Ferrule 1/2x 1 ... 2.5 mm <sup>2</sup><br>Flexible 1/2x 1 ... 2.5 mm <sup>2</sup><br>Rigid 1/2x 1 ... 4 mm <sup>2</sup> |
| Wire Stripping Length                   | Auxiliary Circuit 9 mm<br>Main Circuit 9 mm                                                                                                                                                             |
| Tightening Torque                       | Control Circuit 0.8 ... 1.1 N·m<br>Main Circuit 0.8 ... 1.1 N·m                                                                                                                                         |
| Mounting on DIN Rail                    | TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715<br>TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715                                                                                          |
| Power Loss                              | at Rated Operating Conditions per Pole 2 W<br>at Rated Operating Conditions AC-1 per Pole 1 W                                                                                                           |
| Normes et standards                     | IEC/EN 60947-1<br>IEC/EN 60947-4-1<br>IEC/EN 60947-5-1<br>UL 60947-1<br>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<br>(200 V AC) Three Phase 4.8 A<br>(220 ... 240 V AC) Three Phase 6.8 A<br>(230 V AC) Single Phase 4.9 A<br>(440 ... 480 V AC) Three Phase 4.8 A<br>(550 ... 600 V AC) Three Phase 1.7 A |
| Horsepower Rating UL/CSA         | (115 V AC) Single Phase 0.25 Hp<br>(200 V AC) Three Phase 1 Hp<br>(220 ... 240 V AC) Three Phase 2 Hp<br>(230 V AC) Single Phase 0.5 Hp<br>(440 ... 480 V AC) Three Phase 3 Hp<br>(550 ... 600 V AC) Three Phase 1 Hp  |
| General Use Rating               | (300 V AC) 12 A                                                                                                                                                                                                        |

## UL/CSA

|                                              |                                                                              |
|----------------------------------------------|------------------------------------------------------------------------------|
| 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<br>Control Circuit 7 in·lb<br>Main Circuit 7 in·lb |

## Environnement

|                                                |                                                    |
|------------------------------------------------|----------------------------------------------------|
| Température de l'air ambiant                   | Operation -20 ... +55 °C<br>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 2011/65/EU                  |

## Certificats et Déclarations (Numéro de document)

|                                  |                     |
|----------------------------------|---------------------|
| CB Certificate                   | 1SAA938000-2002     |
| CQC Certificate                  | CQC2003010304064033 |
| cULus Certificate                | cUL_E191658         |
| Declaration of Conformity - CCC  | 2020980304001854    |
| Déclaration de Conformité - CE   | 1SAD938517-0001     |
| Declaration of Conformity - UKCA | 1SAD938501-1001     |
| DNV GL Certificate               | 1SAA938000-0306     |
| EAC Certificate                  | 1SAA920000-2702     |
| Environmental Information        | 1SAC200067H0009     |
| Instructions et manuels          | 2CDC102046M6801     |
| KC Certificate                   | 1SAA938000-1501     |
| RMRS Certificate                 | 1SAA938000-0704     |
| RoHS Information                 | 1SAD938517-0001     |

## Emballage

|                             |          |
|-----------------------------|----------|
| 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

4013614413780

Classifications

|                            |                                           |
|----------------------------|-------------------------------------------|
| Object Classification Code | 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      |
| eClass                     | V11.0 : 27371009                          |
| UNSPSC                     | 39121529                                  |
| E-Number (Finland)         | 3709118                                   |

Catégories

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

