

PRODUCT-DETAILS

# BC7-30-10-01

## BC7-30-10-01 Mini Contactor 24 V DC - 3 NO - 0 NC - Screw Terminals



### Información General

|                            |   |
|----------------------------|---|
| Tipo de producto extendido | BC7-30-10-01  |
| Código de producto         | GJL1313001R0101   |
| EAN                        | 4013614150159   |
| Descripción corta          | BC7-30-10-01 Mini Contactor 24 V DC - 3 NO - 0 NC - Screw Terminals   |
| Descripción larga          | The BC7-30-10 mini contactor is a compact 3 pole contactor with 1 auxiliary contact and screw terminals. They are ideally suited for applications where reliability is a must and space is at a premium. Mini contactors are used in residential buildings, commercial buildings and industrial applications for the control of single or three-phase loads up to 5.5 kW (AC-3) and 20 A / 690 V (AC-1) or switching of control signals. Further features are the noiseless and hum-free coil, a switch position indication and the integrated possibility for rail or wall mounting. |

### Clasificación

|                           |          |
|---------------------------|----------|
| Cantidad mínima de pedido | 1 piece  |
| Código arancelario        | 85365080 |

### Descargas Populares

|                                    |                 |
|------------------------------------|-----------------|
| Ficha técnica, información técnica | 1SBC100214C0202 |
|------------------------------------|-----------------|

|                          |                 |
|--------------------------|-----------------|
| Instrucciones y manuales | 2CDC102047M6801 |
| Dibujo dimensional CAD   | 2CDC001079B0201 |
| Diagrama de dimensiones  | GJL1200436F0001 |

## Dimensiones

|                   |          |
|-------------------|----------|
| Ancho del product | 52.5 mm  |
| Alto del producto | 57.5 mm  |
| Largo del product | 46.7 mm  |
| Peso del product  | 0.175 kg |

## Technical

|   |  |
|---|--|
| Número de polos   | 3  |
| Tipo de minicontactor   | Mini Contactor   |
| Tensión nominal de operación  | Auxiliary Circuit 690 V AC<br>Auxiliary Circuit 250 V DC<br>Main Circuit 690 V AC<br>Main Circuit 220 V DC   |
| Frecuencia nominal (f)  | Control Circuit DC<br>Main Circuit 60 Hz<br>Main Circuit 50 Hz<br>Main Circuit DC  |
| Tensión nominal soportada por impulsos (U <sub>imp</sub> )          | Auxiliary Circuit 6 kV<br>Main Circuit 6 kV  |
| Tensión nominal de aislamiento (U <sub>i</sub> )                    | 690 V<br>acc. to UL/CSA 600 V  |
| Número de contactos principales NC                                  | 0  |
| Número de contactos principales NO                                  | 3  |
| Corriente nominal de funcionamiento AC-1 (I <sub>e</sub> )          | (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 |
| Potencia operativa nominal AC-3 (P <sub>e</sub> )                   | (230 V) Three Phase 3 kW<br>(400 V) Three Phase 5.5 kW<br>(500 V) Three Phase 5.5 kW<br>(690 V) Three Phase, NO 3 kW                                   |
| Corriente nominal de corta duración Tensión baja (I <sub>cw</sub> ) | at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 96 A  |
| Número de contactos auxiliares NC                                   | 0  |
| Número de contactos auxiliares NO                                   | 1  |
| Corriente nominal de funcionamiento AC-15 (I <sub>e</sub> )         | (24 V) 4 A<br>(120 V) 4 A<br>(500 V) 2 A<br>(220 / 240 V) 4 A<br>(380 / 400 V) 3 A   |
| Corriente nominal de funcionamiento DC-13 (I <sub>e</sub> )         | (24 V) 2.5 A<br>(110 V) 0.7 A<br>(220 / 240 V) 0.4 A   |
| Corriente térmica convencional de aire libre (I <sub>th</sub> )     | Main Circuit 20 A  |

|   |   |
|---|---|
| Tensión nominal del circuito de control ( $U_c$ ) | 24 V DC   |
| Límites de funcionamiento de la bobina            | (acc. to IEC 60947-4-1) for DC supply 0.85 ... 1.1 x $U_c$ (at $\theta \leq 55$ °C)   |
| Grado de protección                               | Auxiliary Circuit Terminals IP20<br>Control Circuit Terminals IP20<br>Main Circuit Terminals IP20   |
| Durabilidad mecánica                              | 10000000 cycle  |
| Capacidad mínima de conmutación                   | Auxiliary Circuit 17 V<br>Auxiliary Circuit 5 mA  |
| Frecuencia máxima de conmutación eléctrica        | (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                      |
| Capacidad de conexión del circuito principal      | 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> |
| Capacidad de conexión del circuito auxiliar       | 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> |
| Conexión del circuito de control de capacidad     | 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> |
| Longitud de pelado del cable                      | Auxiliary Circuit 9 mm<br>Main Circuit 9 mm   |
| Par de apriete                                    | Auxiliary Circuit 0.8 ... 1.1 N·m<br>Control Circuit 0.8 ... 1.1 N·m<br>Main Circuit 0.8 ... 1.1 N·m  |
| Destornillador recomendado                        | M3<br>Pozidriv 1  |
| Montaje en contactores                            | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715<br>TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715  |
| Pérdida de potencia                               | at Rated Operating Conditions AC-1 per Pole 1.4 W   |
| Normas  | 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  |

## Technical UL/CSA

|   |  |
|---|--|
| Tensión máxima de funcionamiento UL/CSA | Main Circuit 600 V AC  |
| Amperios a plena carga Uso del motor    | (115 V AC) Single Phase 13.8 A<br>(200 V AC) Three Phase 7.8 A<br>(220 ... 240 V AC) Three Phase 9.6 A<br>(230 V AC) Single Phase 10 A<br>(440 ... 480 V AC) Three Phase 7.6 A<br>(550 ... 600 V AC) Three Phase 6.1 A |
| Potencia nominal UL/CSA                 | (115 V AC) Single Phase 0.75 Hp<br>(200 V AC) Three Phase 2 Hp<br>(220 ... 240 V AC) Three Phase 3 Hp<br>(230 V AC) Single Phase 1.5 Hp<br>(440 ... 480 V AC) Three Phase 5 Hp<br>(550 ... 600 V AC) Three Phase 5 Hp  |
| Clasificación de uso general UL/CSA     | (600 V AC) 16 A  |
| Clasificación de los contactos UL/CSA   | A600   |
| Capacidad de conexión                   | Stranded 1/2x 22-10 AWG  |

del circuito principal  
UL/CSA

Capacidad de conexión  
Circuito auxiliar UL/CSA

Stranded 1/2x 22-10 AWG

Par de apriete UL/CSA

Auxiliary Circuit 7 in-lb  
Control Circuit 7 in-lb  
Main Circuit 7 in-lb

## Ambiente

|   |  |
|---|--|
| Temperatura ambiente                              | Funcionamiento -25 ... +55 °C<br>Almacenamiento -40 ... +80 °C |
| Altitud máxima de funcionamiento permisible       | 2000 m   |
| Resistencia a los golpes según IEC 60068-2-27     | 11 ms Pulse 15g  |
| Resistencia a las vibraciones según IEC 60068-2-6 | 5g 5 ... 150 Hz  |

## Material Compliance

|  |  |
|--|--|
| Plantilla de notificación de minerales de conflicto (CMRT) | 9AKK108467A5658  |
| Declaración REACH  | 2CMT2021-006202  |
| Información sobre RoHS                                     | 2CMT2021-006277  |
| Estado de RoHS   | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| WEEE B2C / B2B   | Business To Business   |
| Categoría RAEE   | 5. Small Equipment (No External Dimension More Than 50 cm)             |

## Certificados y Declaraciones (Número de Documento)

|                                   |                     |
|-----------------------------------|---------------------|
| Certificado BV                    | 1SAA920000-0204     |
| Certificado CB                    | 1SAA938000-2002     |
| Certificado CQC                   | CQC2003010304064033 |
| Declaración de conformidad - CCC  | 2020980304001854    |
| Declaración de conformidad - CE   | 1SAD101100-3101     |
| Declaración de conformidad - UKCA | 1SAD201100-3101     |
| Certificado DNV GL                | 1SAA938000-0306     |
| Certificado EAC                   | 1SAA920000-2702     |
| Certificado KC                    | 1SAA938000-1501     |
| Certificado LR                    | 1SAA938000-0504     |
| Certificado RMRS                  | 1SAA938000-0704     |
| Certificado UL                    | E191658-19881208    |

## Información de Embalaje

|                           |          |
|---------------------------|----------|
| Embalaje Nivel 1 Unidades | 10 piece |
| Embalaje Nivel 1 Ancho    | 115 mm   |

|                        |               |
|------------------------|---------------|
| Embalaje Nivel 1 Alto  | 54 mm         |
| Embalaje Nivel 1 Largo | 280 mm        |
| Embalaje Nivel 1 Peso  | 1.82 kg       |
| Embalaje Nivel 1 EAN   | 4013614418242 |

## Clasificaciones

|   |   |
|---|---|
| Código de clasificación de objetos          | Q   |
| ETIM 4                                      | EC000066 - Magnet contactor, AC-switching |
| ETIM 5                                      | EC000066 - Magnet contactor, AC-switching |
| ETIM 6                                      | EC000066 - Power contactor, AC switching  |
| ETIM 7                                      | EC000066 - Power contactor, AC switching  |
| ETIM 8                                      | EC000066 - Power contactor, AC switching  |
| Clase electrónica                           | V11.0 : 27371003                          |
| UNSPSC                                      | 39121529                                  |
| Número E (Suecia)                           | 3210076                                   |
| Código de categoría granular de IDEA (IGCC) | 4763 >> Power contactor, DC switching     |

## Accessories

| Identifier      | Description  | Type     | Quantity | Unit Of Measure |
|-----------------|--|----------|----------|-----------------|
| GJL1201317R0002 | CA6-11E Auxiliary Contact - 0 NO - 0 NC - Screw Terminals  | CA6-11E  | 1        | piece           |
| GJL1201317R0003 | CA6-11M Auxiliary Contact - 0 NO - 0 NC - Screw Terminals  | CA6-11M  | 1        | piece           |
| GJL1201317R0004 | CA6-11N Auxiliary Contact - 0 NO - 0 NC - Screw Terminals  | CA6-11N  | 1        | piece           |
| GJL1201330R0003 | CAF6-11M Auxiliary Contact - 0 NO - 0 NC - Screw Terminals | CAF6-11M | 1        | piece           |
| GJL1201330R0006 | CAF6-20E Auxiliary Contact - 0 NO - 0 NC - Screw Terminals | CAF6-20E | 1        | piece           |
| GJL1201330R0011 | CAF6-02M Auxiliary Contact - 0 NO - 0 NC - Screw Terminals | CAF6-02M | 1        | piece           |
| GJL1201330R0007 | CAF6-20M Auxiliary Contact - 0 NO - 0 NC - Screw Terminals | CAF6-20M | 1        | piece           |
| GJL1201330R0012 | CAF6-02N Auxiliary Contact - 0 NO - 0 NC - Screw Terminals | CAF6-02N | 1        | piece           |
| GJL1201330R0008 | CAF6-20N Auxiliary Contact - 0 NO - 0 NC - Screw Terminals | CAF6-20N | 1        | piece           |
| GJL1201330R0002 | CAF6-11E Auxiliary Contact - 0 NO - 0 NC - Screw Terminals | CAF6-11E | 1        | piece           |
| GJL1201330R0004 | CAF6-11N Auxiliary Contact - 0 NO - 0 NC - Screw Terminals | CAF6-11N | 1        | piece           |
| GJL1201330R0010 | CAF6-02E Auxiliary Contact - 0 NO - 0 NC - Screw Terminals | CAF6-02E | 1        | piece           |
| GJL1201906R0001 | LT6-B Cover Cap - No Terminals                             | LT6-B    | 1        | piece           |
| GJL1201904R0001 | BN6 Plunger - No Terminals                                 | BN6      | 1        | piece           |

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## Categorías

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Productos y sistemas de baja tensión → Aparatos de control → Contactores → Mini Contactores

