

PRODUCT-DETAILS

# ESB25-31N-03

## ESB25-31N-03 Installation Contactor (NC) 25 A - 3 NO - 1 NC - 48 V - Control Circuit 400 Hz



### Información General

|                            |   |
|----------------------------|---|
| Tipo de producto extendido | ESB25-31N-03  |
| Código de producto         | 1SAE231111M0331   |
| Descripción corta          | ESB25-31N-03 Installation Contactor (NC) 25 A - 3 NO - 1 NC - 48 V - Control Circuit 400 Hz   |
| Descripción larga          | <p>The ESB25..N installation contactors are used to control single and three-phase loads up to 25 A and can be operated by AC or DC.</p> <p>These contactors are made for use in household applications as well as in industrial environments.</p> <p>The following benefits are provided:<br/>Hum-free operation, low power consumption and integrated overvoltage protection.</p> <p><u>Various contact combinations and accessories are available.</u></p> |

### Clasificación

|                           |               |
|---------------------------|---------------|
| Embalaje Nivel 1 EAN      | 4013614519550 |
| Cantidad mínima de pedido | 6 piece       |
| Código arancelario        | 85365080      |

### Descargas Populares

|                                    |                 |
|------------------------------------|-----------------|
| Ficha técnica, información técnica | 2CDC103051C0201 |
| Instrucciones y manuales           | 2CDC103043M6801 |

**Dimensiones**

|                    |          |
|--------------------|----------|
| Ancho del producto | 36 mm    |
| Alto del producto  | 85 mm    |
| Largo del producto | 65 mm    |
| Peso del producto  | 0.245 kg |

**Technical**

|   |  |
|---|--|
| Tensión nominal de operación                                | Main Circuit 220 V DC<br>Main Circuit 400 V AC   |
| Tensión nominal del circuito de control (U <sub>c</sub> )   | 48 V   |
| Frecuencia nominal (f)                                      | Control Circuit 400 Hz<br>Control Circuit 50 Hz<br>Control Circuit 60 Hz<br>Control Circuit DC<br>Main Circuit 50 Hz<br>Main Circuit 60 Hz<br>Main Circuit DC  |
| Corriente nominal de funcionamiento AC-1 (I <sub>e</sub> )  | (NC) 25 A<br>(NO) 25 A   |
| Corriente nominal de funcionamiento AC-3 (I <sub>e</sub> )  | (230 V) Single Phase, NC 6 A<br>(230 V) Single Phase, NO 9 A<br>(400 V) Three Phase, NO 9 A  |
| Potencia operativa nominal AC-1 (P <sub>e</sub> )           | (230 V) Single Phase, NC 5.8 kW<br>(230 V) Single Phase, NO 5.8 kW<br>(400 V) Three Phase, NO 17.3 kW  |
| Potencia operativa nominal AC-3 (P <sub>e</sub> )           | (230 V) Single Phase, NC 1.3 kW<br>(230 V) Single Phase, NO 1.3 kW<br>(400 V) Three Phase, NO 4 kW   |
| Corriente nominal de funcionamiento AC-7a (I <sub>e</sub> ) | (NC) 25 A<br>(NO) 25 A   |
| Potencia operativa nominal AC-7a (P <sub>e</sub> )          | (230 V) Single Phase, NC 5.8 kW<br>(230 V) Single Phase, NO 5.8 kW<br>(400 V) Three Phase, NO 17.3 kW  |
| Corriente nominal de funcionamiento AC-7b (I <sub>e</sub> ) | (230 V) Single Phase, NC 6 A<br>(230 V) Single Phase, NO 9 A<br>(400 V) Three Phase, NO 9 A  |
| Potencia operativa nominal AC-7b (P <sub>e</sub> )          | (230 V) Single Phase, NC 0.9 kW<br>(230 V) Single Phase, NO 1.3 kW<br>(400 V) Three Phase, NO 4 kW   |
| Destornillador recomendado                                  | Control Circuit Pozidriv 1<br>Main Circuit Pozidriv 1  |
| Tensión nominal soportada por impulsos (U <sub>imp</sub> )  | 6 kV   |
| Tensión nominal de aislamiento (U <sub>i</sub> )            | 500 V  |
| Capacidad de conexión del circuito principal                | Flexible with Ferrule 1x 1.5 ... 10 mm <sup>2</sup><br>Flexible with Ferrule 2x 1.5 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1x 1.5 ... 10 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2x 1.5 mm <sup>2</sup><br>Flexible 1x 1.5 ... 10 mm <sup>2</sup><br>Flexible 2x 1.5 ... 4 mm <sup>2</sup><br>Rigid 1x 1.5 ... 10 mm <sup>2</sup><br>Rigid 2x 1.5 ... 4 mm <sup>2</sup> |
| Conexión del circuito de control de capacidad               | Flexible with Ferrule 1x 1 ... 2.5 mm <sup>2</sup><br>Flexible with Ferrule 2x 0.75 ... 1 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1x 1 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2x 0.75 ... 1 mm <sup>2</sup><br>Flexible 1x 1 ... 4.0 mm <sup>2</sup><br>Flexible 2x 1 ... 2.5 mm <sup>2</sup><br>Rigid 1x 1 ... 4 mm <sup>2</sup><br>Rigid 2x 1 ... 2.5 mm <sup>2</sup> |

|   |  |
|---|--|
| Par de apriete                          | Control Circuit 0.9 N·m<br>Main Circuit 1 N·m  |
| Longitud de pelado del cable            | Control Circuit 7 mm<br>Main Circuit 10 mm   |
| Grado de protección                     | IP20   |
| Durabilidad eléctrica                   | AC-1 (NC) 50000 cycle<br>AC-1 (NO) 130000 cycle<br>AC-3 (NC) 340000 cycle<br>AC-3 (NO) 500000 cycle<br>AC-7a (NC) 50000 cycle<br>AC-7a (NO) 130000 cycle<br>AC-7b (NC) 340000 cycle<br>AC-7b (NO) 500000 cycle |
| Durabilidad mecánica                    | 1000000 cycle  |
| Número de polos                         | 4  |
| Número de contactos auxiliares NC       | 0  |
| Número de contactos auxiliares NO       | 0  |
| Número de contactos principales NC      | 1  |
| Número de contactos principales NO      | 3  |
| Anchura en número de espacios modulares | 2  |
| Grado de contaminación                  | 3  |
| Normas                                  | IEC/EN 60947-1<br>IEC/EN 60947-4-1<br>IEC/EN 61095<br>UL 60947-1<br>UL 60947-4-1   |

### Technical UL/CSA

|  |  |
|--|--|
| Tensión máxima de funcionamiento UL/CSA                | Main Circuit 480 V AC  |
| Potencia nominal UL/CSA                                | (220 ... 240 V AC) Single Phase, NC 1 Hp<br>(220 ... 240 V AC) Single Phase, NO 1 Hp<br>(220 ... 240 V AC) Three Phase, NO 3 Hp<br>(440 ... 480 V AC) Single Phase, NC 2 Hp<br>(440 ... 480 V AC) Single Phase, NO 2 Hp<br>(440 ... 480 V AC) Three Phase, NO 5 Hp |
| Capacidad de conexión del circuito principal UL/CSA    | Solid 16-8 AWG<br>Stranded 16-8 AWG  |
| Circuito de control de la capacidad de conexión UL/CSA | Solid 16-10 AWG<br>Stranded 16-10 AWG  |
| Par de apriete UL/CSA                                  | Control Circuit 8 in-lb<br>Main Circuit 9 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  |
| Estado de RoHS                                | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |

### Certificados y Declaraciones (Número de Documento)

|                 |                 |
|-----------------|-----------------|
| Certificado ABS | 1SAA920000-0101 |
| Certificado CB  | 1SAA920004-2001 |

|                                   |  |
|-----------------------------------|--|
| Certificado CQC                   | CQC2017010304993564<br>CQC2017010304993565 |
| Declaración de conformidad - CCC  | 2020980304001312<br>2020980304001314       |
| Declaración de conformidad - CE   | 1SAD101100-3301                            |
| Declaración de conformidad - UKCA | 1SAD201100-3301                            |
| Certificado DNV                   | 1SAA920000-0306                            |
| Certificado EAC                   | 1SAA920001-2702                            |
| Certificado RINA                  | 1SAA920000-0801                            |
| Certificado RMRS                  | 1SAA920000-0705                            |
| Certificado UL                    | E191658-19960301                           |

### Información de Embalaje

|                           |               |
|---------------------------|---------------|
| Embalaje Nivel 1 Unidades | 6 piece       |
| Embalaje Nivel 1 Ancho    | 88 mm         |
| Embalaje Nivel 1 Alto     | 69.5 mm       |
| Embalaje Nivel 1 Largo    | 222 mm        |
| Embalaje Nivel 1 Peso     | 1.47 kg       |
| Embalaje Nivel 1 EAN      | 4013614519550 |
| Nivel de paquete 2 EAN    | 4013614566905 |

### Clasificaciones

|   |  |
|---|--|
| Código de clasificación de objetos          | Q  |
| ETIM 5                                      | EC001653 - Installation contactor for distribution board |
| ETIM 6                                      | EC001653 - Installation contactor for distribution board |
| ETIM 7                                      | EC001653 - Installation contactor for distribution board |
| Clase electrónica                           | V11.0 : 27142308   |
| UNSPSC                                      | 39121529   |
| Código de categoría granular de IDEA (IGCC) | 4759 >> Installation contactor for distribution board    |
| ETIM 8                                      | EC001653 - Installation contactor for distribution board |

### Accessories

| Identifier      | Description                | Type      | Quantity | Unit Of Measure |
|-----------------|----------------------------|-----------|----------|-----------------|
| 1SAE901901R1011 | EH04-11N Contacto Auxiliar | EH04-11N  | 1        | piece           |
| 1SAE901901M1011 | EH04-11N Auxiliary Contact | EH04-11N  | 1        | piece           |
| 1SAE901901R1020 | EH04-20N Contacto Auxiliar | EH04-20N  | 1        | piece           |
| 1SAE901901M1020 | EH04-20N Auxiliary Contact | EH04-20N  | 1        | piece           |
| GHE3201903R0001 | ESB-PLK24 Sealing Cover    | ESB-PLK24 | 1        | piece           |
| GHE3201902R0001 | ESB-DIS Distance Piece     | ESB-DIS   | 1        | piece           |

### Categorías

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

Productos y sistemas de baja tensión → Aparatos modulares de instalación → Command and Signalling Devices → Contactores de instalación

