

PRODUCT-DETAILS

# EN25-31N-01

## EN25-31N-01 Installation Contactor (NC) 25 A - 3 NO - 1 NC - 24 V - Control Circuit 400 Hz



### Información General

|                            |                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tipo de producto extendido | EN25-31N-01                                                                                                                                                                                                                                                                                                                                       |
| Código de producto         | 1SAE232111R0131                                                                                                                                                                                                                                                                                                                                   |
| EAN                        | 4013614518119                                                                                                                                                                                                                                                                                                                                     |
| Descripción corta          | EN25-31N-01 Installation Contactor (NC) 25 A - 3 NO - 1 NC - 24 V - Control Circuit 400 Hz<br>The EN25..N installation contactors are used to control single and three-phase loads up to 25 A and can be operated by AC or DC and/or manually. These contactors are made for use in household applications as well as in industrial environments. |
| Descripción larga          | The following benefits are provided:<br>Hum-free operation, low power consumption, integrated overvoltage protection and manual override.<br>Various contact combinations and accessories are available.<br>Manual operation is available in 3 states: "On", "Off", "Auto"                                                                        |

### Clasificación

|                           |               |
|---------------------------|---------------|
| Embalaje Nivel 1 EAN      | 4013614524424 |
| Cantidad mínima de pedido | 1 piece       |
| Código arancelario        | 85365080      |

### Descargas Populares

|                            |                 |
|----------------------------|-----------------|
| Ficha técnica, información | 2CDC103051C0201 |
|----------------------------|-----------------|

## técnica

Instrucciones y manuales

2CDC103043M6801

Dibujo dimensional CAD

2CDC001079B0201

**Dimensiones**

|                   |         |
|-------------------|---------|
| Ancho del product | 36 mm   |
| Alto del producto | 85 mm   |
| Largo del product | 65 mm   |
| Peso del product  | 0.25 kg |

**Technical**

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tensión nominal de operación                         | Main Circuit 220 V DC<br>Main Circuit 400 V AC                                                                                                                                                                                                                                                                                                                                                         |
| Tensión nominal del circuito de control ( $U_c$ )    | 24 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 ( $I_e$ )   | (NC) 25 A<br>(NO) 25 A                                                                                                                                                                                                                                                                                                                                                                                 |
| Corriente nominal de funcionamiento AC-3 ( $I_e$ )   | (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 ( $P_e$ )            | (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 ( $P_e$ )            | (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 ( $I_e$ )  | (NC) 25 A<br>(NO) 25 A                                                                                                                                                                                                                                                                                                                                                                                 |
| Potencia operativa nominal AC-7a ( $P_e$ )           | (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 ( $I_e$ )  | (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 ( $P_e$ )           | (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 ( $U_{imp}$ ) | 4 kV                                                                                                                                                                                                                                                                                                                                                                                                   |
| Tensión nominal de aislamiento ( $U_i$ )             | 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 ... 1.5 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 ... 2.5 mm <sup>2</sup><br>Flexible 2x 1 ... 1.5 mm <sup>2</sup>                                                                         |

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

## 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 CB                    | 1SAA920004-2001     |
| Certificado CQC                   | CQC2017010304993564 |
| Declaración de conformidad - CCC  | 2020980304001312    |
| Declaración de conformidad - CE   | 1SAD101100-3301     |
| Declaración de conformidad - UKCA | 1SAD201100-3301     |
| Certificado EAC                   | 1SAA920001-2702     |
| Certificado RMRS                  | 1SAA920000-0705     |

## Información de Embalaje

|                           |         |
|---------------------------|---------|
| Embalaje Nivel 1 Unidades | 1 piece |
| Embalaje Nivel 1 Ancho    | 92 mm   |
| Embalaje Nivel 1 Alto     | 69.5 mm |
| Embalaje Nivel 1 Largo    | 39 mm   |

|                           |               |
|---------------------------|---------------|
| Embalaje Nivel 1 Peso     | 0.25 kg       |
| Embalaje Nivel 1 EAN      | 4013614524424 |
| Embalaje Nivel 2 Unidades | 48 piece      |
| Embalaje Nivel 2 Ancho    | 280 mm        |
| Embalaje Nivel 2 Alto     | 210 mm        |
| Embalaje Nivel 2 Largo    | 395 mm        |
| Embalaje Nivel 2 Peso     | 12.5 kg       |
| Nivel de paquete 2 EAN    | 4013614538810 |

## 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    |
| Número E (Finlandia)                        | 3707807                                                  |
| 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

