

## PRODUCT-DETAILS

# ESB20-11N-06

## ESB20-11N-06 Installation Contactor



### Algemene informatie

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type          | ESB20-11N-06                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Artikelnummer | 1SBE121111R0611                                                                                                                                                                                                                                                                                                                                                                                                                           |
| EAN           | 3471523007499                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Omschrijving  | ESB20-11N-06 Installation Contactor                                                                                                                                                                                                                                                                                                                                                                                                       |
| Omschrijving  | <p>The ESB20..N installation contactors are used to control single loads up to 20 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:</p> <p>Hum-free operation, low power consumption and integrated overvoltage protection.</p> <p>Various contact combinations and accessories are available.</p> |

### Ordering

|                            |               |
|----------------------------|---------------|
| Pakketniveau 1 EAN         | 3471523005389 |
| Minimale bestelhoeveelheid | 1 stuk        |
| Nummer douanetarief        | 85365080      |

### Popular Downloads

|                              |                 |
|------------------------------|-----------------|
| Instructies en handleidingen | 2CDC103043M6801 |
| Dimensiediagram              | 1SBB505186D3001 |

## Dimensions

|                       |         |
|-----------------------|---------|
| Product netto breedte | 18 mm   |
| Product netto hoogte  | 85 mm   |
| Product netto diepte  | 65 mm   |
| Product netto gewicht | 0.14 kg |

## Technical

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominaal<br>bedrijfsvoltage                     | Main Circuit 220 V DC<br>Main Circuit 250 V AC                                                                                                                                                                                                                                                                                                                                                                |
| Nominale<br>stuurstroomkringspanning ( $U_c$ )  | 230 V                                                                                                                                                                                                                                                                                                                                                                                                         |
| Toegekende frequentie<br>(f)                    | Control Circuit DC<br>Control Circuit 50 Hz<br>Control Circuit 60 Hz<br>Control Circuit 400 Hz<br>Main Circuit DC<br>Main Circuit 50 Hz<br>Main Circuit 60 Hz                                                                                                                                                                                                                                                 |
| Nominale<br>bedrijfsstroom AC-1 ( $I_e$ )       | (NC) 20 A<br>(NO) 20 A                                                                                                                                                                                                                                                                                                                                                                                        |
| Nominale<br>bedrijfsstroom AC-3 ( $I_e$ )       | (230 V) Single Phase, NC 9 A<br>(230 V) Single Phase, NO 9 A                                                                                                                                                                                                                                                                                                                                                  |
| Nominaal<br>bedrijfsvermogen AC-1<br>( $P_e$ )  | (230 V) Single Phase, NC 4.6 kW<br>(230 V) Single Phase, NO 4.6 kW                                                                                                                                                                                                                                                                                                                                            |
| Nominale<br>bedrijfsvermogen AC-3<br>( $P_e$ )  | (230 V) Single Phase, NC 1.3 kW<br>(230 V) Single Phase, NO 1.3 kW                                                                                                                                                                                                                                                                                                                                            |
| Nominale<br>bedrijfsstroom AC-7a ( $I_e$ )      | (NC) 20 A<br>(NO) 20 A                                                                                                                                                                                                                                                                                                                                                                                        |
| Nominale<br>bedrijfsvermogen AC-7a<br>( $P_e$ ) | (230 V) Single Phase, NC 4.6 kW<br>(230 V) Single Phase, NO 4.6 kW                                                                                                                                                                                                                                                                                                                                            |
| Nominale<br>bedrijfsstroom AC-7b ( $I_e$ )      | (230 V) Single Phase, NC 9 A<br>(230 V) Single Phase, NO 9 A                                                                                                                                                                                                                                                                                                                                                  |
| Nominale<br>bedrijfsvermogen AC-7b<br>( $P_e$ ) | (230 V) Single Phase, NC 1.3 kW<br>(230 V) Single Phase, NO 1.3 kW                                                                                                                                                                                                                                                                                                                                            |
| Aanbevolen<br>schroevendraaier                  | Control Circuit Pozidriv 1<br>Main Circuit Pozidriv 1                                                                                                                                                                                                                                                                                                                                                         |
| Nominale impuls<br>grensvoltage ( $U_{imp}$ )   | 6 kV                                                                                                                                                                                                                                                                                                                                                                                                          |
| Nominaal isolatievoltage<br>( $U_i$ )           | 400 V                                                                                                                                                                                                                                                                                                                                                                                                         |
| Verbindingscapaciteit<br>hoofdcircuit           | Flexible with Ferrule 1x 1 ... 6 mm <sup>2</sup><br>Flexible with Ferrule 2x 1 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1x 1 ... 6 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2x 1 ... 1.5 mm <sup>2</sup><br>Flexible 1x 1 ... 6 mm <sup>2</sup><br>Flexible 2x 1 ... 4 mm <sup>2</sup><br>Rigid 1x 1 ... 10 mm <sup>2</sup><br>Rigid 2x 1 ... 4 mm <sup>2</sup>                   |
| Verbindingscapaciteit<br>controlecircuit        | 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><br>Rigid 1x 0.5 ... 4 mm <sup>2</sup><br>Rigid 2x 0.75 ... 2.5 mm <sup>2</sup> |
| Aanhaalmoment                                   | Control Circuit 0.9 N·m<br>Main Circuit 1.2 N·m                                                                                                                                                                                                                                                                                                                                                               |

|                                |                                                                                                        |
|--------------------------------|--------------------------------------------------------------------------------------------------------|
| Kabelstriplengte               | Control Circuit 7 mm<br>Main Circuit 10 mm                                                             |
| Beschermingsgraad              | IP20                                                                                                   |
| Elektrische<br>duurzaamheid    | AC-1 (NO) 150000 cycle<br>AC-3 (NO) 150000 cycle<br>AC-7a (NO) 150000 cycle<br>AC-7b (NO) 150000 cycle |
| Mechanische<br>duurzaamheid    | 1000000 cycle                                                                                          |
| Aantal polen                   | 2                                                                                                      |
| Aantal hulpcontacten NC        | 0                                                                                                      |
| Aantal hulpcontacten NO        | 0                                                                                                      |
| Aantal hoofdcontacten<br>NC    | 1                                                                                                      |
| Aantal hoofdcontacten<br>NO    | 1                                                                                                      |
| Breedte in module-<br>eenheden | 1                                                                                                      |
| Verontreinigingsgraad          | 3                                                                                                      |
| Normen                         | IEC/EN 60947-1<br>IEC/EN 60947-4-1<br>UL 60947-1<br>UL 60947-4-1<br>IEC/EN 61095                       |

## Technical UL/CSA

|                                                 |                                                                                      |
|-------------------------------------------------|--------------------------------------------------------------------------------------|
| Maximale<br>bedrijfsspanning<br>UL/CSA          | Main Circuit 240 V AC                                                                |
| Paardenkrachtklasse<br>UL/CSA                   | (220 ... 240 V AC) Single Phase, NC 1 Hp<br>(220 ... 240 V AC) Single Phase, NO 1 Hp |
| Verbindingscapaciteit<br>hoofdcircuit UL/CSA    | Solid 14-8 AWG<br>Stranded 14-8 AWG                                                  |
| Verbindingscapaciteit<br>controlecircuit UL/CSA | Solid 16-10 AWG<br>Stranded 16-10 AWG                                                |
| Aanhaalmoment UL/CSA                            | Control Circuit 8 in-lb<br>Main Circuit 11 in-lb                                     |

## Environmental

|                                          |                                                    |
|------------------------------------------|----------------------------------------------------|
| Omgevingsluchttempera-<br>tuur           | Operation -25 ... +55 °C<br>Storage -40 ... +80 °C |
| Maximale werkhoogte<br>toegestaan        | 2000 m                                             |
| Schokweerstand volgens<br>IEC 60068-2-27 | 11 ms Pulse 15g                                    |
| RoHS-status                              | Following EU Directive 2011/65/EU                  |

## Certificates and Declarations (Document Number)

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| ABS-certificaat                     | 1SAA920000-0101                            |
| CB-certificaat                      | 1SAA920007-2001                            |
| CQC-certificaat                     | CQC2018010304057353<br>CQC2018010304057344 |
| cULus-certificaat                   | cUL_E191658                                |
| Declaration of<br>Conformity - CCC  | 2020980304001370<br>2020980304001371       |
| Conformiteitsverklaring<br>- CE     | 1SAD938506-0302                            |
| Declaration of<br>Conformity - UKCA | 1SAD938501-1302                            |

|                              |                 |
|------------------------------|-----------------|
| DNV-certificaat              | 1SAA920000-0306 |
| EAC-certificaat              | 1SAA920003-2701 |
| Milieu-informatie            | 1SAC200062H0009 |
| Instructies en handleidingen | 2CDC103043M6801 |
| RMRS-certificaat             | 1SAA920000-0705 |
| RoHS-informatie              | 1SAD938506-0302 |

## Container Information

|                              |               |
|------------------------------|---------------|
| Pakketniveau 1 Units         | 1 stuk        |
| Pakketniveau 1 Breedte       | 88 mm         |
| Pakketniveau 1 Hoogte        | 71 mm         |
| Pakketniveau 1 Lengte        | 20 mm         |
| Pakketniveau 1 Bruto gewicht | 0.14 kg       |
| Pakketniveau 1 EAN           | 3471523005389 |

## Classifications

|                                    |                                                          |
|------------------------------------|----------------------------------------------------------|
| Object classificatiecode           | Q                                                        |
| ETIM 5                             | EC001653 - Installation contactor for distribution board |
| ETIM 6                             | EC001653 - Installatiehulpschakelaar modulair            |
| ETIM 7                             | EC001653 - Installation contactor for distribution board |
| eClass                             | V11.0 : 27142308                                         |
| UNSPSC                             | 39121529                                                 |
| IDEA Granular Category Code (IGCC) | 4759 >> Installation contactor for distribution board    |
| E-Number (Finland)                 | 3707569                                                  |
| E-Number (Sweden)                  | 3210558                                                  |

## Categorieën

Laagspanningsproducten en -systemen → Control Producten → Magneetschakelaars → Installatieschakelaars

Laagspanningsproducten en -systemen → Modulaire DIN rail producten → Command and Signalling Devices → Installatieschakelaars

