

## PRODUCT-DETAILS

# ESB20-02N-14

## ESB20-02N-14 Installation Contactor



### General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | ESB20-02N-14                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Product ID            | 1SBE121111M1402                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Catalog Description   | ESB20-02N-14 Installation Contactor                                                                                                                                                                                                                                                                                                                                                                                                       |
| Long Description      | <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

|                        |               |
|------------------------|---------------|
| Package Level 1 EAN    | 3471523005181 |
| Minimum Order Quantity | 12 piece      |
| Customs Tariff Number  | 85365080      |

### Popular Downloads

|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 2CDC103043M6801 |
| Dimension Diagram        | 1SBB505186D3001 |

### Dimensions



|                                        |                                                                                  |
|----------------------------------------|----------------------------------------------------------------------------------|
| Number of Auxiliary<br>Contacts NC     | 0                                                                                |
| Number of Auxiliary<br>Contacts NO     | 0                                                                                |
| Number of Main<br>Contacts NC          | 2                                                                                |
| Number of Main<br>Contacts NO          | 0                                                                                |
| Width in Number of<br>Modular Spacings | 1                                                                                |
| Pollution Degree                       | 3                                                                                |
| Standards                              | 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

|                                               |                                                  |
|-----------------------------------------------|--------------------------------------------------|
| Maximum Operating<br>Voltage UL/CSA           | Main Circuit 240 V AC                            |
| Horsepower Rating<br>UL/CSA                   | (220 ... 240 V AC) Single Phase, NC 1 Hp         |
| Connecting Capacity<br>Main Circuit UL/CSA    | Solid 14-8 AWG<br>Stranded 14-8 AWG              |
| Connecting Capacity<br>Control Circuit UL/CSA | Solid 16-10 AWG<br>Stranded 16-10 AWG            |
| Tightening Torque<br>UL/CSA                   | Control Circuit 8 in-lb<br>Main Circuit 11 in-lb |

## Environmental

|                                               |                                                    |
|-----------------------------------------------|----------------------------------------------------|
| Ambient Air<br>Temperature                    | Operation -25 ... +55 °C<br>Storage -40 ... +80 °C |
| Maximum Operating<br>Altitude Permissible     | 2000 m                                             |
| Resistance to Shock acc.<br>to IEC 60068-2-27 | 11 ms Pulse 15g                                    |
| RoHS Status                                   | Following EU Directive 2011/65/EU                  |

## Certificates and Declarations (Document Number)

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| ABS Certificate                     | 1SAA920000-0101                            |
| CB Certificate                      | 1SAA920007-2001                            |
| CQC Certificate                     | CQC2018010304057353<br>CQC2018010304057344 |
| cULus Certificate                   | cUL_E191658                                |
| Declaration of<br>Conformity - CCC  | 2020980304001370<br>2020980304001371       |
| Declaration of<br>Conformity - CE   | 1SAD938506-0302                            |
| Declaration of<br>Conformity - UKCA | 1SAD938501-1302                            |
| DNV Certificate                     | 1SAA920000-0306                            |
| EAC Certificate                     | 1SAA920003-2701                            |
| Environmental<br>Information        | 1SAC200062H0009                            |
| Instructions and<br>Manuals         | 2CDC103043M6801                            |
| RMRS Certificate                    | 1SAA920000-0705                            |
| RoHS Information                    | 1SAD938506-0302                            |

| Container Information          |               |
|--------------------------------|---------------|
| Package Level 1 Units          | 12 piece      |
| Package Level 1 Width          | 88 mm         |
| Package Level 1 Height         | 69.5 mm       |
| Package Level 1 Depth / Length | 222 mm        |
| Package Level 1 Gross Weight   | 1.68 kg       |
| Package Level 1 EAN            | 3471523005181 |

| Classifications                    |                                                          |
|------------------------------------|----------------------------------------------------------|
| Object Classification Code         | 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 |
| eClass                             | V11.0 : 27142308                                         |
| UNSPSC                             | 39121529                                                 |
| IDEA Granular Category Code (IGCC) | 4759 >> Installation contactor for distribution board    |

| Categories                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------|
| Low Voltage Products and Systems → Control Products → Contactors → Installation Contactors                              |
| Low Voltage Products and Systems → Modular DIN Rail Products → Command and Signalling Devices → Installation Contactors |

