

## PRODUCT-DETAILS

# ESB40-20N-06

## ESB40-20N-06 Installation Contactor (NO) 40 A - 2 NO - 0 NC - 230 V - Circuit de commande 400 Hz



### Informations générales

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extension du type de produit | ESB40-20N-06                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Code de produit              | 1SAE341111R0620                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| EAN                          | 4013614518478                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Description courte           | ESB40-20N-06 Installation Contactor (NO) 40 A - 2 NO - 0 NC - 230 V - Circuit de commande 400 Hz                                                                                                                                                                                                                                                                                                                                                          |
| Description longue           | <p>The ESB40..N installation contactors are used to control single and three-phase loads up to 40 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> |

### Commande

|                        |               |
|------------------------|---------------|
| Emballage Niveau 1 EAN | 4013614524783 |
| Quantité minimum       | 1 pièce       |
| Code douanier          | 85365080      |

| Downloads Préférés                     |                 |
|----------------------------------------|-----------------|
| Fiche produit, informations techniques | 2CDC103051C0201 |
| Instructions et manuels                | 2CDC103043M6801 |
| CAD Dimensional Drawing                | 2CDC001079B0201 |

| Dimensions           |         |
|----------------------|---------|
| Produit Largeur Net  | 54 mm   |
| Produit Hauteur Net  | 85 mm   |
| Produit Longueur Net | 65 mm   |
| Poids net            | 0.37 kg |

| Technique                                         |                                                                                                                                                                                              |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tension                                           | Circuit principal 220 V DC<br>Circuit principal 400 V AC                                                                                                                                     |
| Rated Control Circuit Voltage ( $U_c$ )           | 230 V                                                                                                                                                                                        |
| Fréquence assignée (f)                            | Circuit de commande 400 Hz<br>Circuit de commande 50 Hz<br>Circuit de commande 60 Hz<br>Circuit de commande DC<br>Circuit principal 50 Hz<br>Circuit principal 60 Hz<br>Circuit principal DC |
| Courant assignée d'emploi AC-1 ( $I_e$ )          | (NO) 40 A                                                                                                                                                                                    |
| Courant assignée d'emploi AC-3 ( $I_e$ )          | (230 V) Single Phase, NO 22 A                                                                                                                                                                |
| Puissance assignée d'emploi AC-1 ( $P_e$ )        | (230 V) Single Phase, NO 9.2 kW                                                                                                                                                              |
| Puissance assignée d'emploi AC-3 ( $P_e$ )        | (230 V) Single Phase, NO 3.7 kW                                                                                                                                                              |
| Rated Operational Current AC-7a ( $I_e$ )         | (NO) 40 A                                                                                                                                                                                    |
| Rated Operational Power AC-7a ( $P_e$ )           | (230 V) Single Phase, NO 9.2 kW                                                                                                                                                              |
| Rated Operational Current AC-7b ( $I_e$ )         | (230 V) Single Phase, NO 22 A                                                                                                                                                                |
| Rated Operational Power AC-7b ( $P_e$ )           | (230 V) Single Phase, NO 3.7 kW                                                                                                                                                              |
| Recommended Screw Driver                          | Circuit de commande Pozidriv 1<br>Circuit principal Pozidriv 2                                                                                                                               |
| Tension assignée de tenue aux chocs ( $U_{imp}$ ) | 6 kV                                                                                                                                                                                         |
| Tension assignée d'isolement ( $U_i$ )            | 500 V                                                                                                                                                                                        |

|                                     |                                                                                                                                                                                                                                                                                                                |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connecting Capacity Main Circuit    | Flexible with Ferrule 1x 1.5 ... 16 mm²<br>Flexible with Ferrule 2x 1.5 ... 10 mm²<br>Flexible with Insulated Ferrule 1x 1.5 ... 16 mm²<br>Flexible with Insulated Ferrule 2x 1.5 ... 10 mm²<br>Flexible 1x 1.5 ... 16 mm²<br>Flexible 2x 1.5 ... 10 mm²<br>Rigid 1x 1.5 ... 25 mm²<br>Rigid 2x 1.5 ... 10 mm² |
| Connecting Capacity Control Circuit | Flexible with Ferrule 1x 0.75 ... 2.5 mm²<br>Flexible with Ferrule 2x 0.75 ... 1.5 mm²<br>Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm²<br>Flexible with Insulated Ferrule 2x 0.75 ... 1 mm²<br>Flexible 1x 1 ... 4.0 mm²<br>Flexible 2x 1 ... 2.5 mm²<br>Rigid 1x 1 ... 4 mm²<br>Rigid 2x 1 ... 2.5 mm² |
| Couple de serrage                   | Control Circuit 0.9 N·m<br>Main Circuit 2.5 N·m                                                                                                                                                                                                                                                                |
| Wire Stripping Length               | Control Circuit 7 mm<br>Main Circuit 13 mm                                                                                                                                                                                                                                                                     |
| Indice de protection                | IP20                                                                                                                                                                                                                                                                                                           |
| Electrical Durability               | AC-1 (NO) 150000 cycle<br>AC-3 (NO) 100000 cycle<br>AC-7a (NO) 150000 cycle<br>AC-7b (NO) 100000 cycle                                                                                                                                                                                                         |
| Durabilité mecanique                | 1000000 cycle                                                                                                                                                                                                                                                                                                  |
| Nombre de pôles                     | 2                                                                                                                                                                                                                                                                                                              |
| Number of Auxiliary Contacts NC     | 0                                                                                                                                                                                                                                                                                                              |
| Number of Auxiliary Contacts NO     | 0                                                                                                                                                                                                                                                                                                              |
| Number of Main Contacts NC          | 0                                                                                                                                                                                                                                                                                                              |
| Number of Main Contacts NO          | 2                                                                                                                                                                                                                                                                                                              |
| Width in Number of Modular Spacings | 3                                                                                                                                                                                                                                                                                                              |
| Degré de pollution                  | 3                                                                                                                                                                                                                                                                                                              |
| Normes et standards                 | IEC/EN 60947-1<br>IEC/EN 60947-4-1<br>IEC/EN 61095<br>UL 60947-1<br>UL 60947-4-1                                                                                                                                                                                                                               |

## Technique UL/CSA

|                                            |                                                                                        |
|--------------------------------------------|----------------------------------------------------------------------------------------|
| Maximum Operating Voltage UL/CSA           | Circuit principal 480 V AC                                                             |
| Puissance nominale UL/CSA                  | (220 ... 240 V AC) Single Phase, NO 3 Hp<br>(440 ... 480 V AC) Single Phase, NO 7.5 Hp |
| Connecting Capacity Main Circuit UL/CSA    | Solid 16-4 AWG<br>Stranded 16-4 AWG                                                    |
| Connecting Capacity Control Circuit UL/CSA | Solid 16-10 AWG<br>Stranded 16-10 AWG                                                  |
| Tightening Torque UL/CSA                   | Control Circuit 8 in·lb<br>Main Circuit 20 in·lb                                       |

## Environnement

|                                                     |                                                                        |
|-----------------------------------------------------|------------------------------------------------------------------------|
| Température de l'air<br>ambiant                     | Operation -25 ... +55 °C<br>Storage -40 ... +80 °C                     |
| Altitude de<br>fonctionnement maximale<br>autorisée | 2000 m                                                                 |
| Résistance aux chocs<br>selon CEI 60068-2-27        | 11 ms Pulse 15g                                                        |
| Statut RoHS                                         | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |

## Material Compliance

|                                                   |                                                                        |
|---------------------------------------------------|------------------------------------------------------------------------|
| Conflict Minerals<br>Reporting Template<br>(CMRT) | 9AKK108467A5658                                                        |
| REACH Declaration                                 | 2CMT2021-006202                                                        |
| Informations RoHS                                 | 2CMT2021-006277                                                        |
| Statut RoHS                                       | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Toxic Substances Control<br>Act - TSCA            | 2CMT2023-006525                                                        |
| WEEE B2C / B2B                                    | Business To Consumer                                                   |
| Catégorie DEEE                                    | 5. Small Equipment (No External Dimension More Than 50 cm)             |

## Certificats et Déclarations (Numéro de document)

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| Certificat ABS                      | 1SAA920000-0101                            |
| CB Certificate                      | 1SAA920005-2001                            |
| CQC Certificate                     | CQC2017010304993562<br>CQC2017010304993563 |
| Declaration of Conformity<br>- CCC  | 2020980304001310<br>2020980304001313       |
| Déclaration de Conformité<br>- CE   | 1SAD101100-3301                            |
| Declaration of Conformity<br>- UKCA | 1SAD201100-3301                            |
| Certificat DNV                      | 1SAA920000-0306                            |
| EAC Certificate                     | 1SAA920001-2702                            |
| Certificat RINA                     | 1SAA920000-0801                            |
| Certificat RMRS                     | 1SAA920000-0705                            |
| Certificat UL                       | E191658-19960301                           |

## Emballage

|                               |         |
|-------------------------------|---------|
| Emballage Niveau 1<br>Unités  | 1 pièce |
| Emballage Niveau 1<br>Largeur | 92 mm   |

|                                |               |
|--------------------------------|---------------|
| Emballage Niveau 1<br>Hauteur  | 69.5 mm       |
| Emballage Niveau 1<br>Longueur | 57 mm         |
| Emballage Niveau 1 Poids       | 0.37 kg       |
| Emballage Niveau 1 EAN         | 4013614524783 |
| Emballage Niveau 2<br>Unités   | 32 pièce      |
| Emballage Niveau 2<br>Largeur  | 280 mm        |
| Emballage Niveau 2<br>Hauteur  | 210 mm        |
| Emballage Niveau 2<br>Longueur | 395 mm        |
| Emballage Niveau 2 Poids       | 12.2 kg       |
| Emballage Niveau 2 EAN         | 4013614539176 |

Classifications

|                                             |                                                            |
|---------------------------------------------|------------------------------------------------------------|
| Code de classification<br>d'objet           | Q                                                          |
| ETIM 5                                      | EC001653 - Installation contactor for distribution board   |
| ETIM 6                                      | EC001653 - contacteur d'installation pour montage sur rail |
| ETIM 7                                      | EC001653 - Installation contactor for distribution board   |
| eClass                                      | V11.0 : 27142308                                           |
| UNSPSC                                      | 39121529                                                   |
| Code de catégorie<br>granulaire IDEA (IGCC) | 4759 >> Installation contactor for distribution board      |
| E-Number (Finland)                          | 3707589                                                    |
| ETIM 8                                      | EC001653 - Installation contactor for distribution board   |

Accessories

| Identifier      | Description                                                            | Type     | Quantity | Unit Of Measure |
|-----------------|------------------------------------------------------------------------|----------|----------|-----------------|
| 1SAE901901R1011 | EH04-11N Auxiliary Contact - 0 NO - 0 NC -<br>Circuit auxiliaire 50 Hz | EH04-11N | 1        | piece           |
| 1SAE901901M1011 | EH04-11N Auxiliary Contact - 0 NO - 0 NC -<br>Circuit auxiliaire 50 Hz | EH04-11N | 1        | piece           |
| 1SAE901901R1020 | EH04-20N Auxiliary Contact - 0 NO - 0 NC -<br>Circuit auxiliaire 50 Hz | EH04-20N | 1        | piece           |
| 1SAE901901M1020 | EH04-20N Auxiliary Contact - 0 NO - 0 NC -<br>Circuit auxiliaire 50 Hz | EH04-20N | 1        | piece           |
| GHE3401903R0001 | ESB-PLK40/63 Sealing Cover ESB-PLK40/63                                |          | 1        | piece           |
| GHE3201902R0001 | ESB-DIS Distance Piece                                                 | ESB-DIS  | 1        | piece           |

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## Catégories

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Produits basse tension → Appareillage modulaire et parafoudres → Command and Signalling Devices → Contacteurs modulaires

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Contacteurs → Contacteurs modulaires

