

PRODUCT-DETAILS

# ESB20-20N-14

## ESB20-20N-14 Installation Contactor



### Informations générales

Extension du type de produit	ESB20-20N-14
Code de produit	1SBE121111R1420
EAN	3471523007567
Description courte	ESB20-20N-14 Installation Contactor
Description longue	<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: 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	3471523004672
Quantité minimum	1 pièce
Code douanier	85365080

### Popular Downloads

Instructions et manuels	2CDC103043M6801
Schéma dimensionnel	1SBB505186D3001

## Dimensions

Produit Largeur Net	18 mm
Produit Hauteur Net	85 mm
Produit Longueur Net	65 mm
Poids net	0.14 kg

## Technique

Tension	Circuit principal 220 V DC Circuit principal 250 V AC
Rated Control Circuit Voltage ( $U_c$ )	12 V
Fréquence assignée (f)	Circuit de commande DC Circuit de commande 50 Hz Circuit de commande 60 Hz Circuit de commande 400 Hz Circuit principal DC Circuit principal 50 Hz Circuit principal 60 Hz
Courant assignée d'emploi AC-1 ( $I_a$ )	(NO) 20 A
Courant assignée d'emploi AC-3 ( $I_a$ )	(230 V) Single Phase, NO 9 A
Puissance assignée d'emploi AC-1 ( $P_e$ )	(230 V) Single Phase, NO 4.6 kW
Puissance assignée d'emploi AC-3 ( $P_e$ )	(230 V) Single Phase, NO 1.3 kW
Rated Operational Current AC-7a ( $I_a$ )	(NO) 20 A
Rated Operational Power AC-7a ( $P_e$ )	(230 V) Single Phase, NO 4.6 kW
Rated Operational Current AC-7b ( $I_a$ )	(230 V) Single Phase, NO 9 A
Rated Operational Power AC-7b ( $P_e$ )	(230 V) Single Phase, NO 1.3 kW
Recommended Screw Driver	Circuit de commande Pozidriv 1 Circuit principal Pozidriv 1
Tension assignée de tenue aux chocs ( $U_{imp}$ )	6 kV
Tension assignée d'isolement ( $U_i$ )	400 V
Connecting Capacity Main Circuit	Flexible with Ferrule 1x 1 ... 6 mm <sup>2</sup> Flexible with Ferrule 2x 1 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 1 ... 6 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 1 ... 1.5 mm <sup>2</sup> Flexible 1x 1 ... 6 mm <sup>2</sup> Flexible 2x 1 ... 4 mm <sup>2</sup> Rigid 1x 1 ... 10 mm <sup>2</sup> Rigid 2x 1 ... 4 mm <sup>2</sup>
Connecting Capacity Control Circuit	Flexible with Ferrule 1x 1 ... 2.5 mm <sup>2</sup> Flexible with Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 1 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.75 ... 1 mm <sup>2</sup> Flexible 1x 1 ... 2.5 mm <sup>2</sup> Flexible 2x 1 ... 1.5 mm <sup>2</sup> Rigid 1x 0.5 ... 4 mm <sup>2</sup> Rigid 2x 0.75 ... 2.5 mm <sup>2</sup>
Couple de serrage	Control Circuit 0.9 N·m Main Circuit 1.2 N·m
Wire Stripping Length	Control Circuit 7 mm Main Circuit 10 mm
Indice de protection	IP20
Electrical Durability	AC-1 (NO) 150000 cycle AC-3 (NO) 150000 cycle

	AC-7a (NO) 150000 cycle AC-7b (NO) 150000 cycle
Durabilite 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	1
Degré de pollution	3
Normes et standards	IEC/EN 60947-1 IEC/EN 60947-4-1 UL 60947-1 UL 60947-4-1 IEC/EN 61095

## Technique UL/CSA

Maximum Operating Voltage UL/CSA	Circuit principal 240 V AC
Puissance nominale UL/CSA	(220 ... 240 V AC) Single Phase, NO 1 Hp
Connecting Capacity Main Circuit UL/CSA	Solid 14-8 AWG Stranded 14-8 AWG
Connecting Capacity Control Circuit UL/CSA	Solid 16-10 AWG Stranded 16-10 AWG
Tightening Torque UL/CSA	Control Circuit 8 in-lb Main Circuit 11 in-lb

## Environnement

Température de l'air ambiant	Operation -25 ... +55 °C Storage -40 ... +80 °C
Altitude de fonctionnement maximale autorisée	2000 m
Résistance aux chocs selon CEI 60068-2-27	11 ms Pulse 15g
Statut RoHS	Following EU Directive 2011/65/EU

## Certificats et Déclarations (Numéro de document)

Certificat ABS	1SAA920000-0101
CB Certificate	1SAA920007-2001
CQC Certificate	CQC2018010304057353 CQC2018010304057344
Certificat ecULus	cUL_E191658
Declaration of Conformity - CCC	2020980304001370 2020980304001371
Déclaration de Conformité - CE	1SAD938506-0302
Declaration of Conformity - UKCA	1SAD938501-1302
Certificat DNV	1SAA920000-0306
EAC Certificate	1SAA920003-2701
Informations	1SAC200062H0009

## environnementales

Instructions et manuels	2CDC103043M6801
Certificat NF	1SAA920002-1201
Certificat RMRS	1SAA920000-0705
Informations RoHS	1SAD938506-0302

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**Emballage**

Emballage Niveau 1 Unités	1 pièce
Emballage Niveau 1 Largeur	88 mm
Emballage Niveau 1 Hauteur	71 mm
Emballage Niveau 1 Longueur	20 mm
Emballage Niveau 1 Poids	0.14 kg
Emballage Niveau 1 EAN	3471523004672

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**Classifications**

Code de classification 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 granulaire IDEA (IGCC)	4759 >> Installation contactor for distribution board
ETIM 8	EC001653 - Installation contactor for distribution board

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**Catégories**

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

