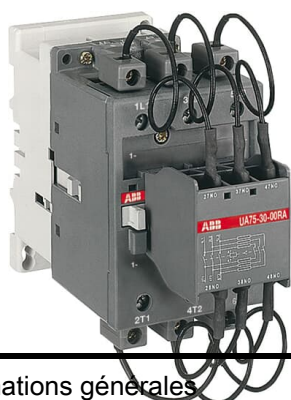


PRODUCT-DETAILS

UA50-30-00RA 380-400V 50Hz / 400-415V  
60Hz

UA50-30-00RA 380-400V 50Hz / 400-415V  
60Hz Contactor



Informations générales

|                              |  |
|------------------------------|--|
| Extension du type de produit | UA50-30-00RA 380-400V 50Hz / 400-415V 60Hz           |
| Code de produit              | 1SBL351024R8500                                      |
| EAN                          | 3471522303851  |
| Description courte           | UA50-30-00RA 380-400V 50Hz / 400-415V 60Hz Contactor |

|                    |   |
|--------------------|---|
| Description longue | <p>The UA50-30-00RA 380-400V 50Hz / 400-415V 60Hz is a 3-pole contactors for capacitor switching, can be used in installations in which the peak current far exceeds 100 times nominal rms current. The contactors are delivered complete with their damping resistors and must be used without additional inductances (see table below). The capacitors must be discharged (maximum residual voltage at terminals <math>\leq 50</math> V) before being re-energized when the contactors are making. Their electrical durability is 250 000 operating cycles for <math>U_e &lt; 500</math> V and 100 000 operating cycles for <math>500 \text{ V} \leq U_e \leq 690</math> V. The UA..RA contactors are fitted with a special front mounted block, which ensures the serial insertion of 3 damping resistors into the circuit to limit the current peak on energization of the capacitor bank. Their connection also ensures capacitor precharging in order to limit the second current peak occurring upon making of the main poles. The insertion of resistors allows to damp the highest current peak of the capacitor when switching on, whatever its level. The UA..RA series 3-pole contactors are of the block type design. - Main poles: 3 main poles - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available.</p> |
|--------------------|---|

Commande

|                  |         |
|------------------|---------|
| Quantité minimum | 1 pièce |
|------------------|---------|

Code douanier

85364900

## Downloads Préférés

|  |                 |
|--|-----------------|
| Fiche produit, informations techniques | 1SBC101140C0203 |
| Instructions et manuels                | 1SBC101002M5501 |
| CAD Dimensional Drawing                | 2CDC001079B0201 |
| Schéma dimensionnel                    | FPTE307844      |

## Dimensions

|                      |          |
|----------------------|----------|
| Produit Largeur Net  | 70 mm    |
| Produit Longueur Net | 140.4 mm |
| Produit Hauteur Net  | 150 mm   |
| Poids net            | 1.35 kg  |

## Technique

|   |  |
|---|--|
| Number of Main Contacts NO                          | 3  |
| Number of Main Contacts NC                          | 0  |
| Number of Auxiliary Contacts NO                     | 0  |
| Number of Auxiliary Contacts NC                     | 0  |
| Normes et standards                                 | IEC/EN 60947-1, IEC/EN 60947-4-1   |
| Tension   | Circuit principal 690 V  |
| Fréquence assignée (f)                              | Circuit de commande 50 / 60 Hz<br>Circuit principal 50 / 60 Hz   |
| Rated Operational Power AC-6b ( $P_e$ )             | (230 / 240 V) 40 °C, 50 / 60 Hz 25 kvar<br>(230 / 240 V) 55 °C, 50 / 60 Hz 24 kvar<br>(230 / 240 V) 70 °C, 50 / 60 Hz 20 kvar<br>(400 / 415 V) 40 °C, 50 / 60 Hz 40 kvar<br>(400 / 415 V) 70 °C, 50 / 60 Hz 35 kvar<br>(400 / 415 V) 55 °C, 50 / 60 Hz 40 kvar<br>(440 V) 40 °C, 50 / 60 Hz 50 kvar<br>(440 V) 55 °C, 50 / 60 Hz 43 kvar<br>(440 V) 70 °C, 50 / 60 Hz 37 kvar<br>(500 / 550 V), 40 °C, 50 / 60 Hz 55 kvar<br>(500 / 550 V) 55 °C, 50 / 60 Hz 50 kvar<br>(500 / 550 V) 70 °C, 50 / 60 Hz 46 kvar<br>(690 V) 40 °C, 50 / 60 Hz 72 kvar<br>(690 V) 55 °C, 50 / 60 Hz 65 kvar<br>(690 V) 70 °C, 50 / 60 Hz 60 kvar |
| Dispositif de protection contre les courts-circuits | gG Type Fuses 200 A  |
| Maximum Breaking Capacity                           | cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 440 V 1300 A<br>cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 630 A  |
| Maximum Electrical Switching Frequency              | 240 cycles per hour  |
| Tension assignée d'                                 | acc. to IEC 60947-4-1 1000 V   |

|  |   |
|--|---|
| isolement ( $U_i$ )  | acc. to UL/CSA 600 V  |
| Tension assignée de tenue aux chocs ( $U_{imp}$ )            | 8 kV  |
| Rated Control Circuit Voltage ( $U_c$ )                      | 50 Hz 380 ... 400 V<br>60 Hz 400 ... 415 V  |
| Coil Consumption   | Average Holding Value 50 / 60 Hz 18 V·A<br>Average Holding Value 50 Hz 18 V·A<br>Average Holding Value 60 Hz 18 V·A<br>Average Pull-in Value 50 Hz 180 V·A<br>Average Pull-in Value 60 Hz 210 V·A |
| Durée de fonctionnement nominale                             | Entre la mise hors tension de la bobine et l'ouverture du contact NO (normally open) 4 ... 11 ms<br>Entre la mise sous tension de la bobine et la fermeture du contact NO 8 ... 27 ms             |
| Montage sur rail DIN   | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715<br>TH75-25 (75 x 25 mm Mounting Rail) acc. to IEC 60715  |
| Mounting by Screws (not supplied)                            | 2 x M6 screws placed diagonally   |
| Connecting Capacity Main Circuit                             | Flexible with Cable End 6 ... 10 mm <sup>2</sup><br>Rigid Cable 6 ... 16 mm <sup>2</sup>  |
| Connecting Capacity Auxiliary Circuit                        | Flexible with Cable End 0.75 ... 2.5 mm <sup>2</sup><br>Rigid Cable 1 ... 4 mm <sup>2</sup>   |
| Indice de protection   | acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20<br>acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10  |
| Connecting Terminals (delivered in open position) Main Poles | M 6 (+,-) pozidriv 2 screws with 1x (13 x 10 mm) connector  |
| Type de borne  | Screw Terminals   |

## Environnement

|   |  |
|---|--|
| Température de l'air ambiant                  | Close to Contactor for Storage -60 ... +80 °C<br>Near Contactor for Operation in Free Air (0.85 ... 1.1 $U_c$ ) -40 ... +55 °C<br>Near Contactor for Operation in Free Air ( $U_c$ ) -40 ... 70 °C |
| Climatic Withstand                            | acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II  |
| Altitude de fonctionnement maximale autorisée | Without Derating 3000 m  |
| REACH Declaration                             | 2CMT2021-006202  |
| Informations RoHS                             | 2CMT2021-006277  |
| Statut RoHS                                   | Following EU Directive 2011/65/EU  |

## Certificats et Déclarations (Numéro de document)

|                                 |   |
|---------------------------------|---|
| CB Certificate                  | CB_CN-58853   |
| CCC Certificate                 | CCC_2018010304128277  |
| CQC Certificate                 | CQC2018010304128277<br>CQC2018010304128276<br>CQC2008010304290409 |
| Declaration of Conformity - CCC | 2020980304001620<br>2020980304001623<br>2020980304001215          |
| Déclaration de Conformité - CE  | 1SBD250805U1000   |

|                                     |  |
|-------------------------------------|--|
| Declaration of Conformity<br>- UKCA | 1SBD250822U1000                                  |
| Certificat GOST                     | GOST_POCCFRME77B07175                            |
| Certificat UL                       | UL-US-L312527-1101-21215991-6<br>UL-CA-2139468-4 |
| UL Listing Card                     | UL_E312527                                       |

## Emballage

|                                |               |
|--------------------------------|---------------|
| Emballage Niveau 1<br>Unités   | box 1 pièce   |
| Emballage Niveau 1<br>Largeur  | 160 mm        |
| Emballage Niveau 1<br>Longueur | 200 mm        |
| Emballage Niveau 1<br>Hauteur  | 85 mm         |
| Emballage Niveau 1 Poids       | 1.35 kg       |
| Emballage Niveau 1 EAN         | 3471522303851 |
| Emballage Niveau 2<br>Unités   | box 63 pièce  |
| Emballage Niveau 2<br>Largeur  | 245 mm        |
| Emballage Niveau 2<br>Longueur | 75 mm         |
| Emballage Niveau 2<br>Hauteur  | 153 mm        |
| Emballage Niveau 2 Poids       | 85.05 kg      |

## Classifications

|   |                                       |
|---|---------------------------------------|
| Code de classification<br>d'objet           | Q                                     |
| ETIM 4                                      | EC001079 - Capacitor magnet contactor |
| ETIM 5                                      | EC001079 - Capacitor magnet contactor |
| ETIM 6                                      | EC001079 - contacteur de condensateur |
| ETIM 7                                      | EC001079 - Capacitor contactor        |
| ETIM 8                                      | EC001079 - Capacitor contactor        |
| eClass                                      | V11.0 : 27371006                      |
| UNSPSC                                      | 39121529                              |
| Code de catégorie<br>granulaire IDEA (IGCC) | 4756 >> Capacitor magnet contactor    |

## Catégories

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Contacteurs → Contacteurs monoblocs → UA and UA..RA Contactors → UA50RA

