

PRODUCT-DETAILS

UA30-30-10RA 400-415V 50Hz / 415-440V 60Hz

UA30-30-10RA 400-415V 50Hz / 415-440V 60Hz Contactor



Informations générales

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| Extension du type de produit | UA30-30-10RA 400-415V 50Hz / 415-440V 60Hz |
| Code de produit | 1SBL281024R8610 |
| EAN | 3471522302861 |
| Description courte | UA30-30-10RA 400-415V 50Hz / 415-440V 60Hz Contactor |

Description longue

UA30..RA 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 ≤ 50 V) before being re-energized when the contactors are making. Their electrical durability is 250 000 operating cycles for $U_e < 500$ V and 100 000 operating cycles for $500 \text{ V} \leq U_e \leq 690$ 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 and auxiliary contacts: 3 main poles, 1 built-in auxiliary contact - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available.

Commande

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| Quantité minimum | 1 pièce |
| Code douanier | 85364900 |

Popular Downloads

| | |
|--|-----------------|
| Fiche produit, informations techniques | 1SBC101140C0203 |
| Instructions et manuels | 1SBC101002M5501 |
| CAD Dimensional Drawing | 2CDC001079B0201 |
| Schéma dimensionnel | FPTE307845 |

Dimensions

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| Produit Largeur Net | 54 mm |
| Produit Longueur Net | 141 mm |
| Produit Hauteur Net | 130 mm |
| Poids net | 0.81 kg |

Technique

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| Number of Main Contacts NO | 3 |
| Number of Main Contacts NC | 0 |
| Number of Auxiliary Contacts NO | 1 |
| Number of Auxiliary Contacts NC | 0 |
| Normes et standards | IEC/EN 60947-1, IEC/EN 60947-4-1 |
| Tension | Circuit auxiliaire 690 V Circuit principal 690 V |
| Fréquence assignée (f) | Circuit auxiliaire 50 / 60 Hz Circuit de commande 50 / 60 Hz Circuit principal 50 / 60 Hz |
| Courant thermique conventionnel à l'air libre (I_{th}) | acc. to IEC 60947-5-1, $\Theta = 40\text{ °C}$ 16 A |
| Rated Operational Power AC-6b (P_e) | (230 / 240 V) 40 °C, 50 / 60 Hz 16 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 16 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 11 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 30 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 19.5 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 27.5 kvar (440 V) 40 °C, 50 / 60 Hz 32 kvar (440 V) 55 °C, 50 / 60 Hz 30 kvar (440 V) 70 °C, 50 / 60 Hz 20.5 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 34 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 34 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 25 kvar (690 V) 40 °C, 50 / 60 Hz 45 kvar (690 V) 55 °C, 50 / 60 Hz 45 kvar (690 V) 70 °C, 50 / 60 Hz 32 kvar |
| Courant assignée d'emploi AC-15 (I_e) | (500 V) 2 A (690 V) 2 A (24 / 127 V) 6 A (220 / 240 V) 4 A (380 / 400 V) 3 A |
| Dispositif de protection contre les courts-circuits | Auxiliary Circuit - gG Type Fuses 10 A gG Type Fuses 200 A |
| Courant assigné de courte durée admissible (I_{cw}) | for 0.1 s 140 A for 1 s 100 A |
| Maximum Breaking Capacity | cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 440 V 820 A cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 340 A |
| Maximum Electrical Switching Frequency | 240 cycles per hour |
| Courant assignée d'emploi DC-13 (I_e) | (24 V) 6 A / 144 W (48 V) 2.8 A / 134 W (72 V) 2 / 144 W |

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| | (110 V) 1.1 A / 121 W (125 V) 1.1 / 138 W (220 V) 0.55 A / 121 W (250 V) 0.55 / 138 W |
| Tension assignée d'isolement (U_i) | acc. to IEC 60947-4-1 1000 V acc. to IEC 60947-5-1 690 V acc. to UL/CSA 600 V |
| Tension assignée de tenue aux chocs (U_{imp}) | 8 kV |
| Rated Control Circuit Voltage (U_c) | 50 Hz 400 ... 415 V 60 Hz 415 ... 440 V |
| Coil Consumption | Average Holding Value 50 / 60 Hz 12 V·A Average Holding Value 50 Hz 12 V·A Average Holding Value 60 Hz 12 V·A Average Pull-in Value 50 Hz 120 V·A Average Pull-in Value 60 Hz 140 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 Entre la mise sous tension de la bobine et la fermeture du contact NO 8 ... 21 ms |
| Montage sur rail DIN | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 |
| Mounting by Screws (not supplied) | 2 x M4 screws placed diagonally |
| Connecting Capacity Main Circuit | Flexible with Cable End 2.5 ... 4 mm ² Rigid Cable 2.5 ... 6 mm ² |
| Connecting Capacity Auxiliary Circuit | Flexible with Cable End 0.75 ... 2.5 mm ² Rigid Cable 1 ... 4 mm ² |
| Indice de protection | acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20 |
| Connecting Terminals (delivered in open position) Main Poles | M 5 (+,-) pozidriv 2 screws with 2x (5.6x6.5 mm) connector |
| Type de borne | Screw Terminals |

Environnement

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| Température de l'air ambiant | Close to Contactor for Storage -60 ... +80 °C Near Contactor for Operation in Free Air (0.85 ... 1.1 U_c) -40 ... +55 °C 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 |
| Statut RoHS | Following EU Directive 2011/65/EU |

Certificats et Déclarations (Numéro de document)

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|----------------------------------|--|
| CB Certificate | CB_FR3448_60016915-509739C |
| CCC Certificate | CCC_2004010304138316 |
| CQC Certificate | CQC2003010304060095 CQC2007010309256050 |
| Declaration of Conformity - CCC | 2020980304001610 2020980304001216 |
| Déclaration de Conformité - CE | 1SBD250805U1000 |
| Declaration of Conformity - UKCA | 1SBD250822U1000 |
| Certificat GOST | GOST_POCCFRME77B07175 |
| Certificat UL | UL-US-L312527-4104-71017991-2 UL-CA-L312527-4104-71017991-2 |

Emballage

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|-----------------------------|---------------|
| Emballage Niveau 1 Unités | box 1 pièce |
| Emballage Niveau 1 Largeur | 135 mm |
| Emballage Niveau 1 Longueur | 155 mm |
| Emballage Niveau 1 Hauteur | 63 mm |
| Emballage Niveau 1 Poids | 0.81 kg |
| Emballage Niveau 1 EAN | 3471522302861 |
| Emballage Niveau 2 Unités | box 24 pièce |
| Emballage Niveau 2 Poids | 19.44 kg |

Classifications

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| Code de classification 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 |

Catégories

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

