

PRODUCT-DETAILS

# UA30-30-10RA 110V 50Hz / 110-120V 60Hz UA30-30-10RA 110V 50Hz / 110-120V 60Hz Contactor



## Informations générales

Extension du type de produit	UA30-30-10RA 110V 50Hz / 110-120V 60Hz
Code de produit	1SBL281024R8410
EAN	3471522302847
Description courte	UA30-30-10RA 110V 50Hz / 110-120V 60Hz Contactor

Description longue	<p>The UA30-30-10RA 110V 50Hz / 110-120V 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 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.</p>
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## 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	FPTE307845

## Dimensions

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

## Technique

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 $I_e > 100\text{ A}$ ) at 440 V 820 A cos phi=0.45 (cos phi=0.35 for $I_e > 100\text{ A}$ ) at 690 V 340 A
Maximum Electrical Switching Frequency	240 cycles per hour

Courant assignée d'emploi DC-13 ( $I_g$ )	(24 V) 6 A / 144 W (48 V) 2.8 A / 134 W (72 V) 2 / 144 W (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 110 V 60 Hz 110 ... 120 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 <sup>2</sup> Rigid Cable 2.5 ... 6 mm <sup>2</sup>
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 0.75 ... 2.5 mm <sup>2</sup> Rigid Cable 1 ... 4 mm <sup>2</sup>
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

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
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_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	1SBD250822U1000

- UKCA

Certificat GOST	GOST_POCCFRME77B07175
Certificat UL	UL-US-L312527-4104-71017991-2 UL-CA-L312527-4104-71017991-2

## Emballage

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	3471522302847
Emballage Niveau 2 Unités	box 24 pièce
Emballage Niveau 2 Poids	19.44 kg

## Classifications

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
Code de catégorie 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 → UA30RA

