

PRODUCT-DETAILS

# UA16-30-10RA 220-230V 50Hz / 230-240V 60Hz

## UA16-30-10RA 220-230V 50Hz / 230-240V 60Hz Contactor



### Informations générales

Extension du type de produit	UA16-30-10RA 220-230V 50Hz / 230-240V 60Hz
Code de produit	1SBL181024R8010
EAN	3471522300805
Description courte	UA16-30-10RA 220-230V 50Hz / 230-240V 60Hz Contactor

Description longue	<p>The UA16-30-10RA 220-230V 50Hz / 230-240V 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
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Code douanier

85364900

## Downloads Préférés

Fiche produit, informations techniques	1SBC101140C0203
Instructions et manuels	1SBC101002M5501
CAD Dimensional Drawing	2CDC001079B0201
Schéma dimensionnel	FPTE307847

## Dimensions

Produit Largeur Net	44 mm
Produit Longueur Net	107 mm
Produit Hauteur Net	120 mm
Poids net	0.46 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 8 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 7.5 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 6 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 12.5 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 10 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 12.5 kvar (440 V) 40 °C, 50 / 60 Hz 15 kvar (440 V) 55 °C, 50 / 60 Hz 13 kvar (440 V) 70 °C, 50 / 60 Hz 11 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 18 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 16 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 12.5 kvar (690 V) 40 °C, 50 / 60 Hz 22 kvar (690 V) 55 °C, 50 / 60 Hz 21 kvar (690 V) 70 °C, 50 / 60 Hz 17 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 80 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 250 A cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 90 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 (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 220 ... 230 V 60 Hz 230 ... 240 V
Coil Consumption	Average Holding Value 50 / 60 Hz 8 V·A Average Holding Value 50 Hz 8 V·A Average Holding Value 60 Hz 8 V·A Average Pull-in Value 50 Hz 70 V·A Average Pull-in Value 60 Hz 80 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 10 ... 26 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 1x 0.75 ... 2.5 mm <sup>2</sup> Rigid Solid 1x 1 ... 4 mm <sup>2</sup>
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 1/2x 0.75 ... 2.5 mm <sup>2</sup> Rigid Solid 1/2x 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 3.5 (+,-) pozidriv 2 screws with cable clamp
Type de borne	Screw Terminals

## Technique UL/CSA

Connecting Capacity Main Circuit UL/CSA	1x 18-10 AWG
Tightening Torque UL/CSA	Auxiliary Circuit 9 in-lb Control Circuit 9 in-lb Main Circuit 9 in-lb

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**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 Uc) -40 ... +55 °C Near Contactor for Operation in Free Air (Uc) -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

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**Certificats et Déclarations (Numéro de document)**


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CB Certificate	CB_CN-58851
CCC Certificate	CCC_2018010304059154
QCQ Certificate	CQC2004010304138319 CQC2018010304059153 CQC2018010304059154 CQC2007010304257961
Declaration of Conformity - CCC	2020980304001605 2020980304001618 2020980304001619 2020980304001218
Déclaration de Conformité - CE	1SBD250805U1000
Declaration of Conformity - UKCA	1SBD250822U1000
Certificat GOST	GOST_POCCFRME77B07175
Certificat UL	UL-US-L312527-1102-51017991-2 UL-CA-L312527-4102-51017991-2
UL Listing Card	UL_E312527

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**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	0.46 kg
Emballage Niveau 1 EAN	3471522300805
Emballage Niveau 2 Unités	box 63 pièce
Emballage Niveau 2 Largeur	300 mm
Emballage Niveau 2 Longueur	245 mm
Emballage Niveau 2	308 mm

Hauteur

Emballage Niveau 2 Poids 28.98 kg

Emballage Niveau 3 260 pièce

Unités

## 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

E-Number (Finland) 3709163

## Catégories

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Contacteurs → Contacteurs monoblocs → UA and UA..RA Contactors → UA16RA

