

PRODUCT-DETAILS

# UA75-30-00RA 24V 50Hz / 24V 60Hz

## UA75-30-00RA 24V 50Hz / 24V 60Hz Contactor



### Informations générales

Extension du type de produit	UA75-30-00RA 24V 50Hz / 24V 60Hz
Code de produit	1SBL411024R8100
EAN	3471522305817
Description courte	UA75-30-00RA 24V 50Hz / 24V 60Hz Contactor

### Description longue

The UA75-30-00RA 24V 50Hz / 24V 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  $\leq 50$  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: 3 main poles - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available.

### 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 Circuit principal 50 / 60 Hz
Rated Operational Power AC-6b ( $P_e$ )	(230 / 240 V) 40 °C, 50 / 60 Hz 35 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 30 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 25 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 60 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 41 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 50 kvar (440 V) 40 °C, 50 / 60 Hz 65 kvar (440 V) 55 °C, 50 / 60 Hz 53 kvar (440 V) 70 °C, 50 / 60 Hz 45 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 75 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 65 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 55 kvar (690 V) 40 °C, 50 / 60 Hz 100 kvar (690 V) 55 °C, 50 / 60 Hz 80 kvar (690 V) 70 °C, 50 / 60 Hz 70 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 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'isolement ( $U_i$ )	acc. to IEC 60947-4-1 1000 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 24 V 60 Hz 24 V
Coil Consumption	Average Holding Value 50 / 60 Hz 18 V·A Average Holding Value 50 Hz 18 V·A Average Holding Value 60 Hz 18 V·A Average Pull-in Value 50 Hz 180 V·A 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 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 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> Rigid Cable 6 ... 16 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 Coil Terminals IP20 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 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

## Certificats et Déclarations (Numéro de document)

CB Certificate	CB_CN-58853
CCC Certificate	CCC_2018010304128277
CQC Certificate	CQC2018010304128277 CQC2018010304128276 CQC2008010304290409
Declaration of Conformity - CCC	2020980304001620 2020980304001623 2020980304001215
Déclaration de Conformité - CE	1SBD250805U1000
Declaration of Conformity - UKCA	1SBD250822U1000
Certificat GOST	GOST_POCCFRME77B07175
Certificat UL	UL-US-L312527-1101-21215991-6 UL-CA-2139468-4
UL Listing Card	UL_E312527

## Emballage

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Largeur	160 mm
Emballage Niveau 1 Longueur	200 mm
Emballage Niveau 1 Hauteur	85 mm
Emballage Niveau 1 Poids	1.35 kg

Emballage Niveau 1 EAN	3471522305817
Emballage Niveau 2 Unités	box 63 pièce
Emballage Niveau 2 Largeur	245 mm
Emballage Niveau 2 Longueur	75 mm
Emballage Niveau 2 Hauteur	153 mm
Emballage Niveau 2 Poids	85.05 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 → UA75RA

