

PRODUCT-DETAILS

# UA30-30-10 110-115V 50Hz / 115-127V 60Hz UA30-30-10 110-115V 50Hz / 115-127V 60Hz Contactor



## Informations générales

Extension du type de produit	UA30-30-10 110-115V 50Hz / 115-127V 60Hz
Code de produit	1SBL281022R8910
EAN	3471522074898
Description courte	UA30-30-10 110-115V 50Hz / 115-127V 60Hz Contactor

Description longue	<p>The UA30-30-10 110-115V 50Hz / 115-127V 60Hz is a 3-pole contactors for capacitor switching, can be used for the switching of capacitor banks whose inrush current peaks are less than or equal to 100 times nominal rms current. The table below gives the permissible powers according to operational voltage and temperature close to the contactor. It also specifies the maximum peak current <math>\hat{I}</math> values accepted by the contactor. The capacitors must be discharged (maximum residual voltage at terminals <math>\leq 50</math> V) before being re-energized when the contactors are making. In these conditions, electrical durability of contactors is equal to 100 000 operating cycles. The UA.. 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	FPTC407722P0001
CAD Dimensional Drawing	2CDC001079B0201

## Dimensions

Produit Largeur Net	54 mm
Produit Longueur Net	108.3 mm
Produit Hauteur Net	90 mm
Poids net	0.71 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 27.5 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 19 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 27.5 kvar (440 V) 40 °C, 50 / 60 Hz 30 kvar (440 V) 55 °C, 50 / 60 Hz 30 kvar (440 V) 70 °C, 50 / 60 Hz 20 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 23.5 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 1.5 ... 1.8 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
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
Maximum Mechanical Switching Frequency	3600 cycles per hour
Rated Control Circuit Voltage ( $U_c$ )	50 Hz 110 ... 115 V 60 Hz 115 ... 127 V
Coil Consumption	Average Holding Value 50 / 60 Hz 12 V·A Average Pull-in Value 50 Hz 125 V·A Average Pull-in Value 60 Hz 120 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 3 W Holding at Max. Rated Control Circuit Voltage 60 Hz 12 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 3 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 120 V·A Pull-in at Max. Rated Control Circuit Voltage 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 ... 10 mm <sup>2</sup> Rigid Cable 2.5 ... 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 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 screw 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_FR2880_60002378
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

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Largeur	101 mm
Emballage Niveau 1 Longueur	115 mm
Emballage Niveau 1 Hauteur	61 mm
Emballage Niveau 1 Poids	0.71 kg
Emballage Niveau 1 EAN	3471522074898
Emballage Niveau 2 Unités	box 24 pièce
Emballage Niveau 2 Largeur	300 mm
Emballage Niveau 2 Longueur	245 mm
Emballage Niveau 2 Hauteur	308 mm
Emballage Niveau 2 Poids	17.04 kg
Emballage Niveau 3 Unités	576 pièce

## 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

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## Catégories

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Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Contacteurs → Contacteurs monoblocs → UA and UA..RA Contactors → UA30

