

PRODUCT-DETAILS

# UA50-30-00 400-415V 50Hz / 415-440V 60Hz UA50-30-00 400-415V 50Hz / 415-440V 60Hz Contactor



## Informations générales

Extension du type de produit	UA50-30-00 400-415V 50Hz / 415-440V 60Hz
Code de produit	1SBL351022R8600
EAN	3471522084866
Description courte	UA50-30-00 400-415V 50Hz / 415-440V 60Hz Contactor

Description longue	<p>The UA50-30-00 400-415V 50Hz / 415-440V 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: 3 main poles - 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	FPTC407700P0003
CAD Dimensional Drawing	2CDC001079B0201

## Dimensions

Produit Largeur Net	70 mm
Produit Longueur Net	108 mm
Produit Hauteur Net	110 mm
Poids net	1.16 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 20 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 20 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 19 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 33 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 32 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 33 kvar (440 V) 40 °C, 50 / 60 Hz 36 kvar (440 V) 55 °C, 50 / 60 Hz 36 kvar (440 V) 70 °C, 50 / 60 Hz 35 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 40 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 40 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 40 kvar (690 V) 40 °C, 50 / 60 Hz 55 kvar (690 V) 55 °C, 50 / 60 Hz 55 kvar (690 V) 70 °C, 50 / 60 Hz 52 kvar
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
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
Durabilité mécanique	10 million
Maximum Mechanical Switching Frequency	3600 cycles per hour
Rated Control Circuit Voltage ( $U_c$ )	50 Hz 400 ... 415 V 60 Hz 415 ... 440 V
Coil Consumption	Average Holding Value 50 / 60 Hz 18 V·A Average Pull-in Value 50 Hz 180 V·A

	Average Pull-in Value 60 Hz 180 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 18 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 5.5 W Holding at Max. Rated Control Circuit Voltage 60 Hz 18 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 5.5 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 180 V·A Pull-in at Max. Rated Control Circuit Voltage 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 ... 16 mm <sup>2</sup> Rigid Cable 6 ... 25 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-58854
CCC Certificate	CCC_2018010304128276 CCC_2008010304290409
CQC Certificate	CQC2018010304128276 CQC2008010304290409
Declaration of Conformity - CCC	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

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## Emballage

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Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Largeur	140 mm
Emballage Niveau 1 Longueur	146 mm
Emballage Niveau 1 Hauteur	96 mm
Emballage Niveau 1 Poids	1.16 kg
Emballage Niveau 1 EAN	3471522084866
Emballage Niveau 2 Unités	box 20 pièce
Emballage Niveau 2 Largeur	503 mm
Emballage Niveau 2 Longueur	153 mm
Emballage Niveau 2 Hauteur	307 mm
Emballage Niveau 2 Poids	23.2 kg
Emballage Niveau 3 Unités	160 pièce

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## 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

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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 → UA50

