

PRODUCT-DETAILS

# UA110-30-00-81

## UA110-30-00 24V 50Hz / 24V 60Hz Contactor



### Informations générales

Extension du type de produit	UA110-30-00-81
Code de produit	1SFL451022R8100
EAN	7320500188569
Description courte	UA110-30-00 24V 50Hz / 24V 60Hz Contactor
Description longue	A 3-phase Contactor suitable for Capacitor switching application. Maximum permissible peak current 30 times the nominal RMS current. Operated with a control voltage, versions from 24V AC, 690 V

### Commande

Quantité minimum	1 pièce
Code douanier	85364900

### Downloads Préférés

Fiche produit, informations techniques	1SBC101145L0202
Instructions et manuels	5309660-60
CAD Dimensional Drawing	2CDC001079B0201

## Dimensions

Produit Largeur Net	90 mm
Produit Longueur Net	123.5 mm
Produit Hauteur Net	148 mm
Poids net	1.8 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
Tension	Circuit principal 1000 V
Fréquence assignée (f)	Circuit principal 50 / 60 Hz
Courant thermique conventionnel à l'air libre ( $I_{th}$ )	acc. to IEC 60947-4-1, Open Contactors $\Theta = 40\text{ °C}$ 160 A
Rated Operational Power AC-6b ( $P_e$ )	(230 / 240 V) 40 °C, 50 / 60 Hz 40 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 40 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 35 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 75 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 65 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 70 kvar (440 V) 40 °C, 50 / 60 Hz 75 kvar (440 V) 55 °C, 50 / 60 Hz 75 kvar (440 V) 70 °C, 50 / 60 Hz 70 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 80 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 80 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 75 kvar (690 V) 40 °C, 50 / 60 Hz 90 kvar (690 V) 55 °C, 50 / 60 Hz 90 kvar (690 V) 70 °C, 50 / 60 Hz 85 kvar
Courant assigné de courte durée admissible ( $I_{cw}$ )	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 800 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 175 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 350 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1320 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 500 A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for $I_e > 100\text{ A}$ ) at 440 V 1160 A cos phi=0.45 (cos phi=0.35 for $I_e > 100\text{ A}$ ) at 690 V 800 A
Maximum Electrical Switching Frequency	240 cycles per hour
Tension assignée d'isolement ( $U_i$ )	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 V
Tension assignée de tenue aux chocs ( $U_{imp}$ )	Circuit principal 8 kV
Durabilite mecanique	10 million
Maximum Mechanical Switching Frequency	3600 cycles per hour
Plage d'utilisation de la bobine selon	(acc. to IEC 60947-4-1) 0.85 x $U_c$ Min. ... 1.1 x $U_c$ Max. (at $\theta \leq 70\text{ °C}$ )
Rated Control Circuit Voltage ( $U_c$ )	50 Hz 24 V 60 Hz 24 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 22 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 26 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 350 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 450 V·A
Durée de fonctionnement nominale	Entre la mise hors tension de la bobine et la fermeture du contact NC (normally closed) 7 ... 15 ms Entre la mise sous tension de la bobine et la fermeture du contact NO 10 ... 25 ms

Connecting Capacity Main Circuit	Bar 30 mm <sup>2</sup> Flexible with Cable End 2 x 6 ... 35 mm <sup>2</sup> Rigid 2 x 6 ... 65 mm <sup>2</sup>
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 2x 0.75 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.75 ... 2.5 mm <sup>2</sup> Flexible 1x0.75 ... 2.5 mm <sup>2</sup> Solid 2 x 1 ... 4 mm <sup>2</sup> Stranded 1 x 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	M8 hexagon socket screw with single connector
Type de borne	Cable Clamp

## Technique UL/CSA

Maximum Operating Voltage UL/CSA	Circuit principal 600 V
----------------------------------	-------------------------

## Environnement

Température de l'air ambiant	Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 Uc) -25 ... 50 °C Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 Uc) -40 ... 70 °C Close to Contactor for Storage -60 ... +80 °C
Altitude de fonctionnement maximale autorisée	Without Derating 3000 m
REACH Declaration	2CMT2021-006202
Résistance aux chocs selon CEI 60068-2-27	Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock Direction: A 20 g Half-sine Pulse for 11 ms, No Change in Contact Position, Closed, Shock Direction: A 20 g Half-sine Pulse for 11 ms, No Change in Contact Position, Closed, Shock Direction: B1 10 g Half-sine Pulse for 11 ms, No Change in Contact Position, Closed, Shock Direction: C1 20 g Half-sine Pulse for 11 ms, No Change in Contact Position, Closed, Shock Direction: C2 20 g Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock Direction: B1 5 g Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock Direction: B2 15 g Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock Direction: C1 20 g Half-sine Pulse for 11 ms, No Change in Contact Position, Open, Shock Direction: C2 20 g
Informations RoHS	2CMT2021-006277
Statut RoHS	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

## Certificats et Déclarations (Numéro de document)

CB Certificate	SE-72473
CQC Certificate	CQC2003010304088242 CQC2009010304353513
Certificat ecULus	20160916- E36588
Declaration of Conformity - CCC	2020980304001551 2020980304001055
Déclaration de Conformité - CE	2CMT2015-005436
Declaration of Conformity - UKCA	2CMT2020-006118

## Emballage

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Largeur	130 mm
Emballage Niveau 1 Longueur	265 mm
Emballage Niveau 1 Hauteur	162 mm
Emballage Niveau 1 Poids	2 kg
Emballage Niveau 1 EAN	7320500188569

## 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 → UA110

