

PRODUCT-DETAILS

UA110-30-00RA-81

UA110-30-00RA 24V 50Hz Contactor



Informations générales

Extension du type de produit	UA110-30-00RA-81
Code de produit	1SFL451024R8100
EAN	7320500260531
Description courte	UA110-30-00RA 24V 50Hz Contactor
Description longue	A 3-phase Contactor suitable for Capacitor switching application. Maximum permissible peak current 100 times the nominal RMS current. Operated with a control voltage, versions from 24V to 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	155.6 mm
Produit Hauteur Net	170 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 Hz
Courant thermique conventionnel à l'air libre (I_{th})	acc. to IEC 60947-4-1, Open Contactors $\Theta = 40\text{ °C}$ 160 A
Courant assignée d' emploi AC-1 (I_e)	(690 V) 40 °C 160 A (690 V) 55 °C 145 A (690 V) 60 °C 145 A (690 V) 70 °C 130 A
Courant assignée d' emploi AC-3 (I_e)	(415 V) 55 °C 110 A (440 V) 55 °C 100 A (500 V) 55 °C 100 A (690 V) 55 °C 82 A (1000 V) 55 °C 30 A (380 / 400 V) 55 °C 110 A (220 / 230 / 240 V) 55 °C 110
Rated Operational Power AC-6b (P_e)	(230 / 240 V) 40 °C, 50 / 60 Hz 45 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 80 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 60 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 70 kvar (440 V) 40 °C, 50 / 60 Hz 85 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 95 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 82 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 78 kvar (690 V) 40 °C, 50 / 60 Hz 130 kvar (690 V) 55 °C, 50 / 60 Hz 110 kvar (690 V) 70 °C, 50 / 60 Hz 100 kvar
Pouvoir assigné de coupure AC-3	8 x I_e AC-3
Pouvoir assigné de fermeture AC-3	10 x I_e AC-3
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 440 V 1160 A cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 800 A
Maximum Electrical Switching Frequency	(AC-1) 300 cycles per hour (AC-2 / AC-4) 150 cycles per hour (AC-3) 300 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
Durabilité mécanique	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 $\theta \leq 70^\circ\text{C}$)
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 ² Flexible with Cable End 2 x 6 ... 35 mm ² Rigid 2 x 6 ... 65 mm ²
Connecting Capacity Auxiliary Circuit	Flexible with Ferrule 2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 2.5 mm ² Flexible 2x0.75 ... 2.5 mm ² Solid 2 x 1 ... 4 mm ² Stranded 2 x 1 ... 4 mm ²
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
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Environnement

Température de l'air ambiant	Close to Contactor Fitted with Thermal O/L Relay (0.85 ... 1.1 U_c) -25 ... 50 °C Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 U_c) -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 15 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-72477
Certificat ecULus	20160916- E36588
Déclaration de Conformité - CE	2CMT2015-005436
Declaration of Conformity - UKCA	2CMT2020-006118

Emballage

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Largeur	170 mm
Emballage Niveau 1 Longueur	140 mm
Emballage Niveau 1 Hauteur	170 mm
Emballage Niveau 1 Poids	2 kg
Emballage Niveau 1 EAN	7320500260531

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 → UA110RA

