

PRODUCT-DETAILS

# A9-30-10 220-230V 50Hz / 230-240V 60Hz A9-30-10 220-230V 50Hz / 230-240V 60Hz Contactor



## Informations générales

Extension du type de produit	A9-30-10 220-230V 50Hz / 230-240V 60Hz
Code de produit	1SBL141001R8010
EAN	3471522031808
Description courte	A9-30-10 220-230V 50Hz / 230-240V 60Hz Contactor
Description longue	A 9 contactors are mainly used for controlling 3-phase motors and generally for controlling power circuits up to 690 V AC or 220 V DC. The contactors can also be used for many other applications such as isolation, capacitor switching, lighting. The A... series 1-stack 3-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 3 main poles, 1 built-in auxiliary contact, front and side-mounted add-on auxiliary contact blocks - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available.

## Commande

Quantité minimum	1 pièce
Code douanier	85364900
ID Produit de remplacement (NOUVEAU)	1SBL131001R8010

## Popular Downloads

Fiche produit, informations techniques	1SBC100122C0202_Ch02
Instructions et manuels	FPTC407721P0001

## Dimensions

Produit Largeur Net	44 mm
Produit Longueur Net	74 mm
Produit Hauteur Net	74 mm
Poids net	0.34 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	Devices complying with international standards IEC 947-1 / 947-4-1, and European standards EN 60 947-1 / 60 947-4-1. Electromagnetic compatibility (EMC) acc. to amendment A11 to IEC 947-1, EN 60 947-1 and amendment 2 to IEC 947-4-1
Tension	Circuit auxiliaire 690 V Circuit principal 690 V
Fréquence assignée (f)	Supply Circuit 50 / 60 Hz
Courant thermique conventionnel à l'air libre ( $I_{th}$ )	acc. to IEC 60947-4-1, Open Contactors $q = 40\text{ °C}$ 26 A acc. to IEC 60947-5-1, $q = 40\text{ °C}$ 16 A
Courant assignée d'emploi AC-1 ( $I_e$ )	(690 V) 40 °C 25 A (690 V) 55 °C 22 A (690 V) 70 °C 18 A
Courant assignée d'emploi AC-3 ( $I_e$ )	(415 V) 55 °C 9 A (440 V) 55 °C 9 A (500 V) 55 °C 9 A (690 V) 55 °C 7 A (380 / 400 V) 55 °C 9 A (220 / 230 / 240 V) 55 °C 9
Puissance assignée d'emploi AC-3 ( $P_e$ )	(415 V) 4 kW (440 V) 4 kW (500 V) 5.5 kW (690 V) 5.5 kW (380 / 400 V) 4 kW (220 / 230 / 240 V) 2.2 kW
Pouvoir assigné de coupure AC-3	8 x le AC-3
Pouvoir assigné de fermeture AC-3	10 x le AC-3
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 25 A
Courant assigné de courte durée admissible ( $I_{cw}$ )	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 100 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 26 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 50 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 250 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 60 A
Maximum Breaking Capacity	$\cos \phi = 0.45$ ( $\cos \phi = 0.35$ for $I_e > 100$ A) at 440 V 250 A $\cos \phi = 0.45$ ( $\cos \phi = 0.35$ for $I_e > 100$ A) at 690 V 90 A
Maximum Electrical Switching Frequency	(AC-1) 600 cycles per hour (AC-2 / AC-4) 300 cycles per hour (AC-3) 1200 cycles per hour
Courant assignée d'emploi DC-13 ( $I_e$ )	(24 V) 6 / 144 A (48 V) 2.8 / 134 A (72 V) 2 / 144 A

	(125 V) 1.1 / 138 A (250 V) 0.55 / 138 A
Tension assignée d'isolement (U <sub>i</sub> )	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 <sub>imp</sub> )	8 kV
Maximum Mechanical Switching Frequency	3600 cycles per hour
Rated Control Circuit Voltage (U <sub>c</sub> )	50 Hz 220 ... 230 V 60 Hz 230 ... 240 V
Coil Consumption	Average Holding Value 50 / 60 Hz 8 V·A Average Pull-in Value 50 Hz 74 V·A Average Pull-in Value 60 Hz 70 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 10 ... 26 ms
Montage sur rail DIN	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 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 0.75 ... 2.5 mm <sup>2</sup> Rigid Cable 1 ... 4 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 3.5 (+,-) pozidriv 2 screws with cable clamp
Type de borne	Screw Terminals

## Technique UL/CSA

General Use Rating UL/CSA	(600 V AC) 21 A
Puissance nominale UL/CSA	(200 ... 208 V AC) Three Phase 2 hp (220 ... 240 V AC) Three Phase 2 hp (440 ... 480 V AC) Three Phase 5 hp (550 ... 600 V AC) Three Phase 7-1/2 hp

## Environnement

Température de l'air ambiant	Close to Contactor Fitted with Thermal O/L Relay -25 ... 55 °C Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 U <sub>c</sub> ) -40 ... 55 °C Close to Contactor without Thermal O/L Relay (U <sub>c</sub> ) -40 ... 70 °C Close to Contactor for Storage -60 ... +80 °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
Résistance aux chocs selon CEI 60068-2-27	Closed, Shock Direction: B1 10 g Open, Shock Direction: B1 5 g Shock Direction: A 20 g Shock Direction: B2 15 g Shock Direction: C1 20 g Shock Direction: C2 20 g
Statut RoHS	Following EU Directive 2011/65/EU

## Certificats et Déclarations (Numéro de document)

Certificat BV	BV_2634H07559E0
CB Certificate	CB_CN44759

CCC Certificate	CCC_2018010304059156 CCC_2004010309130463
CQC Certificate	CQC2013010304615753 CQC2018010304059156 CQC2004010309130463
Certificat CSA	CSA_1041746
Declaration of Conformity - CCC	2020980304001607 2020980304001616 2020980304001229
Déclaration de Conformité - CE	1SBD250801U1000
Declaration of Conformity - UKCA	1SBD250818U1000
Certificat DNV	DNV-GL_TAE00000TX
DNV GL Certificate	DNV-GL_TAE00000TX
EAC Certificate	EAC_RU C-FR ME77 B03599
Informations environnementales	1SBD250001E1004
Instructions et manuels	FPTC407721P0001
LOVAG Certificate	LOVAG_FR97037
Certificat LR	LRS_9830011E4
Certificat RINA	RINA_ELE172319XG001
Certificat RMRS	RMRS_0507015250
Informations RoHS	1SBD250801U1000
Certificat UL	UL_20160205-E312527-10-2
UL Listing Card	UL_E312527

## Emballage

Emballage Niveau 1 Unités	1 pièce
Emballage Niveau 1 Largeur	78 mm
Emballage Niveau 1 Longueur	76 mm
Emballage Niveau 1 Hauteur	47 mm
Emballage Niveau 1 Poids	0.34 kg
Emballage Niveau 1 EAN	3471522031808
Emballage Niveau 2 Unités	box 63 pièce
Emballage Niveau 2 Largeur	300 mm
Emballage Niveau 2 Longueur	245 mm
Emballage Niveau 2 Hauteur	308 mm
Emballage Niveau 2 Poids	21.42 kg
Emballage Niveau 3 Unités	1512 pièce

## Classifications

Code de classification d'objet	Q
ETIM 4	EC000066 - Magnet contactor, AC-switching
ETIM 5	EC000066 - Magnet contactor, AC-switching
ETIM 6	EC000066 - contacteur de puissance pour commutation de courant alternatif
ETIM 7	EC000066 - Power contactor, AC switching

ETIM 8	EC000066 - Power contactor, AC switching
eClass	V11.0 : 27371003
UNSPSC	39121529
E-Number (Finland)	3709216

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## Catégories

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Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Contacteurs → Contacteurs monoblocs

