PRODUCT-DETAILS

A16-30-10 220-230V 50Hz / 230-240V 60Hz

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Contactor

Informations générales

Extension du type de produit	A16-30-10 220-230V 50Hz / 230-240V 60Hz
Code de produit	1SBL181001R8010
EAN	3471522050809
Description courte	A16-30-10 220-230V 50Hz / 230-240V 60Hz Contactor
Description longue	A16 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)	1SBL171001R8010

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 °C 30 A acc. to IEC 60947-5-1, q = 40 °C 16 A
Courant assignée d'emploi AC-1 (I_e)	(690 V) 40 °C 30 A (690 V) 55 °C 27 A (690 V) 70 °C 23 A
Courant assignée d'emploi AC-3 (I_e)	(415 V) 55 °C 17 A (440 V) 55 °C 16 A (500 V) 55 °C 14 A (690 V) 55 °C 10 A (380 / 400 V) 55 °C 17 A (220 / 230 / 240 V) 55 °C 17
Puissance assignée d'emploi AC-3 (P_e)	(415 V) 9 kW (440 V) 9 kW (500 V) 9 kW (690 V) 9 kW (380 / 400 V) 7.5 kW (220 / 230 / 240 V) 4 kW
Rated Operational Power AC-6b (P_e)	(230 / 240 V) 40 °C, 50 / 60 Hz 7.5 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 7.5 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 6 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 12.5 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 10 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 12.5 kvar (440 V) 40 °C, 50 / 60 Hz 14 kvar (440 V) 55 °C, 50 / 60 Hz 14 kvar (440 V) 70 °C, 50 / 60 Hz 10.5 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 15.5 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 15.5 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 12 kvar (690 V) 40 °C, 50 / 60 Hz 21.5 kvar (690 V) 55 °C, 50 / 60 Hz 21.5 kvar (690 V) 70 °C, 50 / 60 Hz 16.5 kvar
Pouvoir assigné de coupure AC-3	8 x Ie AC-3
Pouvoir assigné de fermeture AC-3	10 x Ie 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 32 A

Courant assigné de courte durée admissible (I_{cw})	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 140 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 30 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 60 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 300 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 80 A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 440 V 250 A cos phi=0.45 (cos phi=0.35 for Ie > 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_i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 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 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 mm² Rigid Cable 1 ... 4 mm²
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 0.75 ... 2.5 mm² Rigid Cable 1 ... 4 mm²
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) 30 A
Puissance nominale UL/CSA	(200 ... 208 V AC) Three Phase 5 hp (220 ... 240 V AC) Three Phase 5 hp (440 ... 480 V AC) Three Phase 10 hp (550 ... 600 V AC) Three Phase 15 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 Uc) -40 ... 55 °C Close to Contactor without Thermal O/L Relay (Uc) -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	1SBD250003E1004
Instructions et manuels	FPTC407721P0001
LOVAG Certificate	LOVAG_FR97039
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	3471522050809
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	1220 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)	3709218

Catégories

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