

PRODUCT-DETAILS

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

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Contacteur



Algemene informatie

Type	A16-30-10 220-230V 50Hz / 230-240V 60Hz
Artikelnummer	1SBL181001R8010
EAN	3471522050809
Omschrijving	A16-30-10 220-230V 50Hz / 230-240V 60Hz Contacteur
Omschrijving	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.

Ordering

Minimale bestelhoeveelheid	1 stuk
Nummer douanetarief	85364900
Vervangen product-ID (NIEUW)	1SBL171001R8010

Popular Downloads

Gegevensblad, technische informatie	1SBC100122C0202_Ch02
Instructies en handleidingen	FPTC407721P0001

Dimensions

Product netto breedte	44 mm
Product netto diepte	74 mm
Product netto hoogte	74 mm
Product netto gewicht	0.34 kg

Technical

Aantal hoofdcontacten NO	3
Aantal hoofdcontacten NC	0
Aantal hulpcontacten NO	1
Aantal hulpcontacten NC	0
Normen	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
Nominaal bedrijfsvoltage	Auxiliary Circuit 690 V Main Circuit 690 V
Toegekende frequentie (f)	Supply Circuit 50 / 60 Hz
Conventionele vrije-lucht thermische stroom (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
Nominale bedrijfsstroom AC-1 (I_e)	(690 V) 40 °C 30 A (690 V) 55 °C 27 A (690 V) 70 °C 23 A
Nominale bedrijfsstroom 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 A
Nominale bedrijfsvermogen 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
Nominale bedrijfsvermogen 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
Nominale remcapaciteit AC-3 volgens IEC 60947-4-1	8 x I_e AC-3
Nominaal inschakelvermogen AC-3 volgens IEC 60947-4-1	10 x I_e AC-3
Nominale bedrijfsstroom 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

Beschermende apparaten met kortsluiting	Auxiliary Circuit - gG Type Fuses 10 A gG Type Fuses 32 A
Nominale kortstondige grensstroom (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
Maximale breekcapaciteit	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
Maximale elektrische schakelfrequentie	(AC-1) 600 omwentelingen per uur (AC-2 / AC-4) 300 omwentelingen per uur (AC-3) 1200 omwentelingen per uur
Nominale bedrijfsstroom 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
Nominaal isolatievoltage (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
Nominale impuls grensvoltage (U_{imp})	8 kV
Maximale mechanische schakelfrequentie	3600 omwentelingen per uur
Nominale stuurstroomkringspanning (U_c)	50 Hz 220 ... 230 V 60 Hz 230 ... 240 V
Spoelverbruik	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
Bedieningstijd	Between Coil De-energization and NO Contact Opening 4 ... 11 ms Between Coil Energization and NO Contact Closing 10 ... 26 ms
Montage op DIN-rail	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
Montage door schroeven (niet meegeleverd)	2 x M4 screws placed diagonally
Verbindingscapaciteit hoofdcircuit	Flexible with Cable End 0.75 ... 2.5 mm ² Rigid Cable 1 ... 4 mm ²
Verbindingscapaciteit hulpcircuit	Flexible with Cable End 0.75 ... 2.5 mm ² Rigid Cable 1 ... 4 mm ²
Beschermingsgraad	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
Aansluitklemmen (geleverd in open positie) Hoofdpolen	M 3.5 (+,-) pozidriv 2 screws with cable clamp
Terminaltype	Schroef

Technical UL/CSA

Algemeen gebruik klasse UL/CSA	(600 V AC) 30 A
Paardenkrachtklasse 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

Environmental

Omgevingsluchttemperatuur	bij schakelaar uitgevoerd met thermisch overbelastingsrelais -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 bij schakelaar voor opslag -60 ... +80 °C
Klimaatbestendig	acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II

Maximale werkhoogte toegestaan	Without Derating 3000 m
Schokweerstand volgens IEC 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
RoHS-status	Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)

BV-certificaat	BV_2634H07559E0
CB-certificaat	CB_CN44759
CCC-certificaat	CCC_2018010304059156 CCC_2004010309130463
CQC-certificaat	CQC2013010304615753 CQC2018010304059156 CQC2004010309130463
CSA-certificaat	CSA_1041746
Declaration of Conformity - CCC	2020980304001607 2020980304001616 2020980304001229
Conformiteitsverklaring - CE	1SBD250801U1000
Declaration of Conformity - UKCA	1SBD250818U1000
DNV-certificaat	DNV-GL_TAE00000TX
DNV GL-certificaat	DNV-GL_TAE00000TX
EAC-certificaat	EAC_RU C-FR ME77 B03599
Milieu-informatie	1SBD250003E1004
Instructies en handleidingen	FPTC407721P0001
LOVAG-certificaat	LOVAG_FR97039
LR-certificaat	LRS_9830011E4
RINA-certificaat	RINA_ELE172319XG001
RMRS-certificaat	RMRS_0507015250
RoHS-informatie	1SBD250801U1000
UL-certificaat	UL_20160205-E312527-10-2
UL-noteringskaart	UL_E312527

Container Information

Pakketniveau 1 Units	1 stuk
Pakketniveau 1 Breedte	78 mm
Pakketniveau 1 Lengte	76 mm
Pakketniveau 1 Hoogte	47 mm
Pakketniveau 1 Brutogewicht	0.34 kg
Pakketniveau 1 EAN	3471522050809
Pakketniveau 2 Units	box 63 stuk
Pakketniveau 2 Breedte	300 mm
Pakketniveau 2 Lengte	245 mm
Pakketniveau 2 Hoogte	308 mm
Pakketniveau 2 Brutogewicht	21.42 kg
Pakketniveau 3 Units	1220 stuk

Classifications

Object classificatiecode	Q
ETIM 4	EC000066 - Magnet contactor, AC-switching
ETIM 5	EC000066 - Magnet contactor, AC-switching
ETIM 6	EC000066 - Magneetschakelaar
ETIM 7	EC000066 - Power contactor, AC switching
ETIM 8	EC000066 - Power contactor, AC switching
eClass	V11.0 : 27371003
UNSPSC	39121529
E-Number (Finland)	3709218

Categorieën

Laagspanningsproducten en -systemen → Control Producten → Magneetschakelaars → Magneetschakelaars

