

PRODUCT-DETAILS

AS09-30-10-23

AS09-30-10-23 110V50/60HZ Contactor



Algemene informatie

Type	AS09-30-10-23
Artikelnummer	1SBL101001R2310
EAN	3471523032231
Omschrijving	AS09-30-10-23 110V50/60HZ Contactor
Omschrijving	AS09 contactors are mainly used for controlling 3-phase motors and generally for controlling power circuits up to 690 V AC or 220 V DC. They are mainly used for controlling 3-phase motors, non-inductive or slightly inductive loads. The AS... 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-mounted add-on auxiliary contact blocks (mechanically-linked auxiliary contacts compliant with Annex L of IEC 60947-5-1. N.C. mirror contacts compliant with Annex F of IEC 60947-4-1) - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available.

Ordering

Minimale bestelhoeveelheid	40 stuk
Nummer douanetarief	85364900

Popular Downloads

Instructies en handleidingen	1SBC101020M9701
------------------------------	-----------------

Dimensions

Product netto breedte	45 mm
Product netto diepte	72.5 mm
Product netto hoogte	68 mm
Product netto gewicht	0.22 kg

Technical

Aantal hoofdcontacten NO	3
Aantal hoofdcontacten NC	0
Aantal hulpcontacten NO	1
Aantal hulpcontacten NC	0
Normen	IEC 60947-1 / 60947-4-1 and EN 60947-1 / 60947-4-1, UL 508, CSA C22.2 N° 14
Nominaal bedrijfsvoltage	Auxiliary Circuit 690 V Main Circuit 690 V
Toegekende frequentie (f)	Auxiliary Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
Conventionele vrije-lucht thermische stroom (I_{th})	acc. to IEC 60947-4-1, Open Contactors $q = 40\text{ °C } 22\text{ A}$ acc. to IEC 60947-5-1, $q = 40\text{ °C } 10\text{ A}$
Nominale bedrijfsstroom AC-1 (I_e)	(690 V) 40 °C 22 A (690 V) 60 °C 18 A (690 V) 70 °C 15 A
Nominale bedrijfsstroom AC-3 (I_e)	(415 V) 60 °C 9 A (440 V) 60 °C 8 A (500 V) 60 °C 8 A (690 V) 60 °C 5 A (380 / 400 V) 60 °C 9 A (220 / 230 / 240 V) 60 °C 9 A
Nominale bedrijfsvermogen AC-3 (P_e)	(400 V) 4 kW (415 V) 4 kW (440 V) 4 kW (500 V) 4 kW (690 V) 4 kW (220 / 230 / 240 V) 2.2 kW
Nominale bedrijfsstroom AC-15 (I_e)	(500 V) NC 2 (500 V) 2 A (690 V) 2 A (24 / 127 V) 6 A (220 / 240 V) 4 A (400 / 440 V) 3 A
Nominale kortstondige grensstroom (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 22 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 230 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 65 A for 0.1 s 140 A for 1 s 100 A
Maximale breekcapaciteit	cos phi=0.45 (cos phi=0.35 for $I_e > 100\text{ A}$) at 440 V 155 A cos phi=0.45 (cos phi=0.35 for $I_e > 100\text{ A}$) at 690 V 90 A
Maximale elektrische schakelfrequentie	(AC-1) 600 omwentelingen per uur (AC-15) 1200 omwentelingen per uur (AC-2 / AC-4) 300 omwentelingen per uur (AC-3) 1200 omwentelingen per uur (DC-13) 900 omwentelingen per uur
Nominale bedrijfsstroom DC-13 (I_e)	(24 V) 6 A / 144 W (48 V) 2.8 A / 134 W (72 V) 1 A / 72 W (110 V) 0.55 A / 60 W (125 V) 0.55 A / 69 W (220 V) 0.27 A / 60 W (250 V) 0.27 A / 68 W
Nominaal isolatievoltage (U_i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 690 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})	Auxiliary Circuit 6 kV
Maximale mechanische schakelfrequentie	3600 omwentelingen per uur
Nominale stuurstroomkringspanning (U_c)	50 Hz 110 V 60 Hz 110 V
Bedieningstijd	Between Coil De-energization and NC Contact Closing 7 ... 22 ms Between Coil De-energization and NO Contact Opening 5 ... 19 ms Between Coil Energization and NC Contact Opening 6 ... 18 ms Between Coil Energization and NO Contact Closing 9 ... 24 ms
Verbindingscapaciteit hoofdcircuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm ² Rigid 1/2x 0.75 ... 4 mm ²
Verbindingscapaciteit hulpcircuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm ² Rigid 1/2x 0.75 ... 2.5 mm ²
Verbindingscapaciteit controlecircuit	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 1x 0.75 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.75 ... 1.5 mm ² Rigid 1/2x 0.75 ... 2.5 mm ²
Kabelstriplengte	Auxiliary Circuit 9 mm Control Circuit 9 mm Main Circuit 9 mm
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
Terminaltype	Schroef

Technical UL/CSA

Algemeen gebruik klasse UL/CSA	(600 V AC) 20 A
Paardenkrachtklasse UL/CSA	(120 V AC) Single Phase 1/3 hp (200 ... 208 V AC) Three Phase 2 hp (220 ... 240 V AC) Three Phase 2 hp (240 V AC) Single Phase 1 hp (440 ... 480 V AC) Three Phase 5 hp (550 ... 600 V AC) Three Phase 7.5 hp
Aanhaalmoment UL/CSA	Auxiliary Circuit 9 in-lb Control Circuit 9 in-lb Main Circuit 9 in-lb

Environmental

Omgevingsluchttemperatuur	bij schakelaar uitgevoerd met thermisch overbelastingsrelais -25 ... 60 °C bij schakelaar zonder thermisch overbelastingsrelais -40 ... 70 °C bij schakelaar voor opslag -60 ... +80 °C
Klimaatbestendig	Category B according to IEC 60947-1 Annex Q
Maximale werkhoogte toegestaan	3000 m
Weerstand tegen trillingen volgens IEC 60068-2-6	5 ... 300 Hz 3 g Closed position / 2 g Open position
Schokweerstand volgens IEC 60068-2-27	Closed, Shock Direction: B1 10 g Closed, Shock Direction: C1 20 g Closed, Shock Direction: C2 20 g Open, Shock Direction: B1 5 g Open, Shock Direction: C1 9 g Open, Shock Direction: C2 14 g Shock Direction: A 20 g Shock Direction: B2 15 g

Certificates and Declarations (Document Number)

CB-certificaat	CB_CN13475-M1
CCC-certificaat	CCC_2007010309251577
CQC-certificaat	CQC2007010309251577
Declaration of Conformity - CCC	2020980304001224
Conformiteitsverklaring - CE	1SBD250014U1000
Declaration of Conformity - UKCA	1SBD250049U1000
Milieu-informatie	1SBD250154E1000
GOST-certificaat	GOST_POCCCNME77B07822.pdf
Instructies en handleidingen	1SBC101020M9701
RoHS-informatie	1SBD251000E1001
UL-certificaat	UL_20120917-E312527-1-1
UL-noteringskaart	UL_E312527

Container Information

Pakketniveau 1 Units	1 stuk
Pakketniveau 1 Breedte	78 mm
Pakketniveau 1 Lengte	80 mm
Pakketniveau 1 Hoogte	48 mm
Pakketniveau 1 Brutogewicht	0.22 kg
Pakketniveau 1 EAN	3471523032231
Pakketniveau 2 Units	40 stuk
Pakketniveau 2 Breedte	250 mm
Pakketniveau 2 Lengte	195 mm
Pakketniveau 2 Hoogte	315 mm
Pakketniveau 2 Brutogewicht	8.8 kg
Pakketniveau 3 Units	960 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
UNSPSC	39121529
IGCC (IDEA granulaire categoriecode)	4755 >> Contactors

Categorieën

Laagspanningsproducten en -systemen → Control Producten → Magneetschakelaars → Magneetschakelaars

