ASL12-30-32-81 1/6



PRODUCT-DETAILS

ASL12-30-32-81

ASL12-30-32-81 24VDC Contactor



General Information	
Extended Product Type	ASL12-30-32-81
Product ID	1SBL113001R8132
EAN	3471523061712
Catalog Description	ASL12-30-32-81 24VDC Contactor
Long Description	ASL12 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 2-stack 3-pole contactors are of the block type design Main poles and auxiliary contact blocks: 1st stack with 3 main poles and 1 N.O. built-in auxiliary contact, with a non-removable front-mounted 2 N.O. + 2 N.C. auxiliary contact block (mechanically-linked auxiliary contacts compliant with Annex L of IEC 60947-5-1 including the "Mechanically Linked" symbol on the contactor side. N.C. mirror contacts compliant with Annex F of IEC 60947-4-1) - Control circuit: DC operated with solid core magnet circuit. The polarity on the coil terminals (A1+ and A2-) must be respected - Accessories: a wide range of accessories is available. ASL contactors are fitted with low consumption DC coils and are suitable for a direct control by PLC outputs.

Ordering

Minimum Order Quantity 1 piece

ASL12-30-32-81 2/6

Customs Tariff Number 85364900

Popular Downloads	
Data Sheet, Technical	1SBC100214C0202
Instructions and Manuals	1SBC101020M970
CAD Dimensional Drawing	2CDC001079B020
Dimensions	
Product Net Width	45 mm
Product Net Depth / Length	100.2 mm
Product Net Height	68 mm
Product Net Weight	0.32 kg
Technical	
Number of Main Contacts NO	3
Number of Main Contacts NC	C
Number of Auxiliary Contacts NO	
Number of Auxiliary Contacts NC	2
Standards	IEC 60947-1 / 60947-4-1 and EN 60947-1 / 60947-4-1, UL 508, CSA C22.2 N 14
Rated Operational Voltage	Auxiliary Circuit 690 \ Main Circuit 690 \
Rated Frequency (f)	Auxiliary Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I _{th})	acc. to IEC 60947-4-1, Open Contactors
Rated Operational Current AC-1 (I _e)	(690 V) 40 °C 24 A (690 V) 60 °C 20 A (690 V) 70 °C 16 A
Rated Operational Current AC-3 (I _e)	(415 V) 60 °C 12 A (440 V) 60 °C 11 A (500 V) 60 °C 11 A (690 V) 60 °C 7 A (380 / 400 V) 60 °C 12 A (220 / 230 / 240 V) 60 °C 12 A
Rated Operational Current 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
Rated Operational Current 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

Rated Operational Power

(400 V) 5.5 kW

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AC-3 (Ve) (AC-2) (Ve) S.S. KW (AC-2) S.S. KW (AC-2	AC 2 (P.)	(445)055144
Rated Short-time at 40 °C Ambient Temp, in Free Air, from a Cold State 10 siz 4A voltage (Icw) at 40 °C Ambient Temp, in Free Air, from a Cold State 15 siz 4A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 siz 4A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 siz 4A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 siz 4A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 siz 4A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 siz 4A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 siz 4A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 siz 4A for 1 si 100 A f	AC-3 (P _e)	(415 V) 5.5 kW (440 V) 5.5 kW
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Tightening Torque $ \begin{array}{c} \text{Auxiliary Circuit 1 N·m} \\ \text{Control Circuit 1 N·m} \\ \text{Main Circuit 1 N·m} \\ \text{Terminal Type} \\ \end{array} $		
Control Circuit 1 N·m Main Circuit 1 N·m Terminal Type Screw Terminals		
Main Circuit 1 N·m Terminal Type Screw Terminals	Tightening Torque	
Terminal Type Screw Terminals		
	Terminal Type	
FIGURE NAME BIOCK CONTACTOR		
	FIGURE NAME	BIOCK CONTACTOR

General Use Rating (600 V AC) 20 A

UL/CSA

Horsepower Rating (120 V AC) Single Phase 1/2 hp

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UL/CSA	(200 208 V AC) Three Phase 2 hp (220 240 V AC) Three Phase 3 hp (240 V AC) Single Phase 1.5 hp (440 480 V AC) Three Phase 7.5 hp (550 600 V AC) Three Phase 10 hp
Tightening Torque UL/CSA	Auxiliary Circuit 9 in·lb Control Circuit 9 in·lb Main Circuit 9 in·lb
Full Load Amps Motor Use	(120 V AC) Single Phase 9.8 A (200 208 V AC) Three Phase 7.8 A (220 240 V AC) Three Phase 9.6 A (240 V AC) Single Phase 10 A (440 480 V AC) Three Phase 11 A (550 600 V AC) Three Phase 11 A

Environmental	
Ambient Air Temperature	Close to Contactor Fitted with Thermal O/L Relay -25 60 °C Close to Contactor without Thermal O/L Relay -40 70 °C Close to Contactor for Storage -60 +80 °C
Climatic Withstand	Category B according to IEC 60947-1 Annex Q
Maximum Operating Altitude Permissible	Without Derating 3000 m
Resistance to Shock acc. to 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
Resistance to Vibrations	3g Closed Position & 2g Open Position 5 300 Hz

Material Compliance	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS Information	2CMT2021-006277
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006525
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations	
CB Certificate	CB_CN13475-M1
CCC Certificate	CCC_2007010309251577
CQC Certificate	CQC2007010309251577
Declaration of Conformity - CCC	2020980304001224
Declaration of Conformity - CE	1SBD250014U1000
Declaration of Conformity - UKCA	1SBD250049U1000
GOST Certificate	GOST_POCCCNME77B07822.pdf
UL Certificate	UL_20120917_E312527_1_1

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UL Listing Card UL_E312527

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	72 mm
Package Level 1 Depth / Length	115 mm
Package Level 1 Height	48 mm
Package Level 1 Gross Weight	0.32 kg
Package Level 1 EAN	3471523061712
Package Level 2 Units	32 piece
Package Level 2 Width	250 mm
Package Level 2 Depth / Length	195 mm
Package Level 2 Height	315 mm
Package Level 2 Gross Weight	10.24 kg
Package Level 3 Units	768 piece

Classifications	
Object Classification Code	Q
ETIM 7	EC000066 - Power contactor, AC switching
ETIM 8	EC000066 - Power contactor, AC switching
ETIM 9	EC002552 - Power contactor, DC switching
eClass	V11.0 : 27371018
UNSPSC	39121529
IDEA Granular Category Code (IGCC)	4763 >> Power contactor, DC switching

Accessories				
Identifier 1SBN050010R1000	Description	Type Quantity		Unit Of Measure
	RV5/50 Surge Suppressor	RV5/50	1	piece
1SBN050020R1000	RT5/32 Surge Suppressor	RT5/32	1	piece

Categories

 $Low\ Voltage\ Products\ \rightarrow\ Contactors\ \rightarrow\ Block\ Contactors\ \rightarrow\ AS\ Contactors\ \rightarrow\ ASL12$

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