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AL40-30-10 110V DC Contactor

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Product Id#: 1SBL323001R8610

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AL40 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 AL... 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: 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. AL... contactors are fitted with low consumption DC coils and are suitable for a direct control by PLC outputs.

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More about AL40-30-10 110V DC Contactor

Technical Specification

MRP (Indian Rupees)	Not for Retail Sale
Compatibility	AL Contactors
Max Mechanical Switching Frequency	3600 cycles per hour

Max Electrical Switching Frequency	AC-1 600 cycles per hour, AC-2 / AC-4 300 cycles per hour, AC-3 1200 cycles per hour
Conventional Free-air Thermal Current (Ith)	acc. to IEC 60947-5-1, q = 40 °C 16 ampere, acc. to IEC 60947-4-1, Open Contactors q = 40 °C 65 ampere
Coil Consumption	Average Holding Value, from Warm State 3.5 watt, Average Pull-in Value, from Cold State 3.5 watt
Terminal Type	Screw Terminals
Rated Operational Voltage	Auxiliary Circuit 690 volt, Main Circuit 690 volt
Operate Time	Between Coil De-energization and NO Contact Opening 12 ... 18 millisecond, Between Coil Energization and NO Contact Closing 55 ... 110 millisecond
Rated Control Circuit Voltage (Uc)	DC Operation 110V
Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1	8 x Ie AC-3
Rated Operational Power AC-3 (Pe)	(220 / 230 / 240 V) 11 KWT, (380 / 400 V) 18.5 KWT, (415 V) 18.5 KWT, (440 V) 22 KWT, (500 V) 22 KWT, (690 V) 18.5 KWT
Rated Operational Current DC-13 (Ie)	(125 V) 1.1 / 138 ampere, (24 V) 6 / 144 ampere, (250 V) 0.55 / 138 ampere, (48 V) 2.8 / 134 ampere, (72 V) 2 / 144 ampere
Rated Operational Current AC-3 (Ie)	(220 / 230 / 240 V) 55 °C 40 ampere, (380 / 400 V) 55 °C 37 ampere, (415 V) 55 °C 37 ampere, (440 V) 55 °C 37 ampere, (500 V) 55 °C 33 ampere, (690 V) 55 °C 21 ampere
Rated Operational Current AC-15 (Ie)	(220 / 240 V) 4 ampere, (24 / 127 V) 6 ampere, (380 / 440 V) 3 ampere, (500 V) 2 ampere, (690 V) 2 ampere
Rated Operational Current AC-1 (Ie)	(690 V) 40 °C 60 ampere, (690 V) 55 °C 60 ampere, (690 V) 70 °C 42 ampere
Rated Making Capacity AC-3 acc. to IEC 60947-4-1	10 x Ie AC-3
Rated Frequency Limits	25 ... 400 hertz
Rated Frequency (f)	Supply Circuit 50 60 hertz
Number of Aux Contacts NO	1
Package Width	100 millimetre
Package Length	134 millimetre
Package Height	62 millimetre
Invoice Description	AL40-30-10 110V DC Contactor
Product Range	AL Contactors
Package Gross Weight	0.85 kilogram
Extended Product Type	AL40-30-10 110V DC

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Ambient Air Temperature	Close to Contactor for Storage -60 ... +80 degree Celsius, Close to Contactor without Thermal O/L Relay (0.85 ... 1.1 Uc) -40 ... +55 degree Celsius, Close to Contactor Fitted with Thermal O/L Relay -25 ... +55 degree Celsius, Close to Contactor without T
Rated Insulation Voltage (Ui)	acc. to UL/CSA 600 volt, acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 volt
Product Class	Block Contactors
Total GST Percentage	18.00
HSN Number	85364900
Country of origin	Bulgaria (BG) - Imported by ABB India Limited

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