

PRODUCT-DETAILS

# AL40-30-10RT 48V DC

## AL40-30-10RT 48V DC Contactor



### General Information

Extended Product Type	AL40-30-10RT 48V DC
Product ID	1SBL323010R8310
EAN	3471522361639
Catalog Description	AL40-30-10RT 48V DC Contactor

#### Long Description

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.

### Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

### Popular Downloads

Data Sheet, Technical Information	1SBC104032D0201
Instructions and Manuals	1SBC101006M5501

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**Dimensions**


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Product Net Width	54 mm
Product Net Depth / Length	125.3 mm
Product Net Height	90 mm
Product Net Weight	0.85 kg

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**Technical**


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Number of Main Contacts NO	3
Number of Main Contacts NC	0
Number of Auxiliary Contacts NO	1
Number of Auxiliary Contacts NC	0
Rated Operational Current AC-1 ( $I_e$ )	(690 V) 40 °C 60 (690 V) 55 °C 60 (690 V) 70 °C 42
Rated Operational Current AC-3 ( $I_e$ )	(415 V) 55 °C 37 A (440 V) 55 °C 37 A (500 V) 55 °C 33 A (690 V) 55 °C 21 A (380 / 400 V) 55 °C 37 A (220 / 230 / 240 V) 55 °C 40
Rated Operational Power AC-3 ( $P_e$ )	(415 V) 18.5 kW (440 V) 22 kW (500 V) 22 kW (690 V) 22 kW (380 / 400 V) 18.5 kW (220 / 230 / 240 V) 11 kW
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 440 V 470 A cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 175 A
Rated Control Circuit Voltage ( $U_c$ )	DC Operation 48 V
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Auxiliary Terminals IP10 acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP10 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10
Terminal Type	Ring-Tongue Terminals

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**Technical UL/CSA**


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General Use Rating UL/CSA	(600 V AC) 60 A
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**Environmental**


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Ambient Air Temperature	Close to Contactor for Storage -60 ... +80 °C
Maximum Operating Altitude Permissible	Without Derating 3000 m
RoHS Status	Following EU Directive 2011/65/EU

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**Certificates and Declarations (Document Number)**


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CQC Certificate	CQC2004010304112235
CSA Certificate	CSA_1033838_LR056745
Declaration of Conformity - CCC	2020980304001612

Declaration of Conformity - CE	1SBD250804U1000
Environmental Information	1SBD250122E1002
GOST Certificate	GOST_POCCFRME77B07175
Instructions and Manuals	1SBC101006M5501
RoHS Information	1SBD250806U1000

## Container Information

Package Level 1 Units	1 piece
Package Level 1 Width	100 mm
Package Level 1 Depth / Length	134 mm
Package Level 1 Height	62 mm
Package Level 1 Gross Weight	0.85 kg
Package Level 1 EAN	3471522361639
Package Level 2 Units	box 20 piece
Package Level 2 Gross Weight	17 kg

## Classifications

Object Classification Code	Q
ETIM 4	EC000066 - Magnet contactor, AC-switching
ETIM 5	EC000066 - Magnet contactor, AC-switching
ETIM 6	EC000066 - Power contactor, AC switching
ETIM 7	EC000066 - Power contactor, AC switching
eClass	V11.0 : 27371003
UNSPSC	39121529

## Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors

