PRODUCT-DETAILS

UA50-30-00RA 110V 50Hz / 110-120V 60Hz

UA50-30-00RA 110V 50Hz / 110-120V 60Hz Contactor



General Information

Extended Product Type	UA50-30-00RA 110V 50Hz / 110-120V 60Hz
Product ID	1SBL351024R8400
EAN	3471522303844
Catalog Description	UA50-30-00RA 110V 50Hz / 110-120V 60Hz Contactor
Long Description	The UA50-30-00RA 110V 50Hz / 110-120V 60Hz is a 3-pole contactors for capacitor switching, can be used in installations in which the peak current far exceeds 100 times nominal rms current. The contactors are delivered complete with their damping resistors and must be used without additional inductances (see table below). The capacitors must be discharged (maximum residual voltage at terminals ≤ 50 V) before being re-energized when the contactors are making. Their electrical durability is 250 000 operating cycles for Ue < 500 V and 100 000 operating cycles for 500 V ≤ Ue ≤ 690 V. The UA..RA contactors are fitted with a special front mounted block, which ensures the serial insertion of 3 damping resistors into the circuit to limit the current peak on energization of the capacitor bank. Their connection also ensures capacitor precharging in order to limit the second current peak occurring upon making of the main poles. The insertion of resistors allows to damp the highest current peak of the capacitor when switching on, whatever its level. The UA..RA series 3-pole contactors are of the block type design. - Main poles: 3 main poles - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available.

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Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SBC100214C0202
Instructions and Manuals	1SBC101002M5501
CAD Dimensional Drawing	2CDC001079B0201
Dimension Diagram	FPTE307844

Dimensions

Product Net Width	70 mm
Product Net Depth / Length	140.4 mm
Product Net Height	150 mm
Product Net Weight	1.35 kg

Technical

Number of Main Contacts NO	3
Number of Main Contacts NC	0
Number of Auxiliary Contacts NO	0
Number of Auxiliary Contacts NC	0
Standards	IEC/EN 60947-1, IEC/EN 60947-4-1
Rated Operational Voltage	Main Circuit 690 V
Rated Frequency (f)	Control Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
Rated Operational Power AC-6b (P_e)	(230 / 240 V) 40 °C, 50 / 60 Hz 25 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 24 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 20 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 40 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 35 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 40 kvar (440 V) 40 °C, 50 / 60 Hz 50 kvar (440 V) 55 °C, 50 / 60 Hz 43 kvar (440 V) 70 °C, 50 / 60 Hz 37 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 55 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 50 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 46 kvar (690 V) 40 °C, 50 / 60 Hz 72 kvar (690 V) 55 °C, 50 / 60 Hz 65 kvar (690 V) 70 °C, 50 / 60 Hz 60 kvar
Short-Circuit Protective Devices	gG Type Fuses 200 A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 440 V 1300 A cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 690 V 630 A
Maximum Electrical Switching Frequency	240 cycles per hour

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Rated Insulation Voltage (U_i)	acc. to IEC 60947-4-1 1000 V acc. to UL/CSA 600 V
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Control Circuit Voltage (U_c)	50 Hz 110 V 60 Hz 110 ... 120 V
Coil Consumption	Average Holding Value 50 / 60 Hz 18 V·A Average Holding Value 50 Hz 18 V·A Average Holding Value 60 Hz 18 V·A Average Pull-in Value 50 Hz 180 V·A Average Pull-in Value 60 Hz 210 V·A
Operate Time	Between Coil De-energization and NO Contact Opening 4 ... 11 ms Between Coil Energization and NO Contact Closing 8 ... 27 ms
Mounting on DIN Rail	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH75-25 (75 x 25 mm Mounting Rail) acc. to IEC 60715
Mounting by Screws (not supplied)	2 x M6 screws placed diagonally
Connecting Capacity Main Circuit	Flexible with Cable End 6 ... 10 mm² Rigid Cable 6 ... 16 mm²
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 0.75 ... 2.5 mm² Rigid Cable 1 ... 4 mm²
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10
Connecting Terminals (delivered in open position) Main Poles	M 6 (+,-) pozidriv 2 screws with 1x (13 x 10 mm) connector
Terminal Type	Screw Terminals

Environmental

Ambient Air Temperature	Close to Contactor for Storage -60 ... +80 °C Near Contactor for Operation in Free Air (0.85 ... 1.1 Uc) -40 ... +55 °C Near Contactor for Operation in Free Air (Uc) -40 ... 70 °C
Climatic Withstand	acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II
Maximum Operating Altitude Permissible	Without Derating 3000 m

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_CN-58853
CCC Certificate	CCC_2018010304128277
CQC Certificate	CQC2018010304128277 CQC2018010304128276 CQC2008010304290409

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Declaration of Conformity - CCC	2020980304001620 2020980304001623 2020980304001215
Declaration of Conformity - CE	1SBD250805U1000
Declaration of Conformity - UKCA	1SBD250822U1000
GOST Certificate	GOST_POCCFRME77B07175
UL Certificate	UL-US-L312527-1101-21215991-6 UL-CA-2139468-4
UL Listing Card	UL_E312527

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	160 mm
Package Level 1 Depth / Length	200 mm
Package Level 1 Height	85 mm
Package Level 1 Gross Weight	1.35 kg
Package Level 1 EAN	3471522303844
Package Level 2 Units	box 63 piece
Package Level 2 Width	245 mm
Package Level 2 Depth / Length	75 mm
Package Level 2 Height	153 mm
Package Level 2 Gross Weight	85.05 kg

Classifications

Object Classification Code	Q
ETIM 7	EC001079 - Capacitor contactor
ETIM 8	EC001079 - Capacitor contactor
ETIM 9	EC001079 - Capacitor contactor
eClass	V11.0 : 27371006
UNSPSC	39121529
IDEA Granular Category Code (IGCC)	4756 >> Capacitor magnet contactor

Categories

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Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → UA and UA..RA Contactors → UA50RA



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