

PRODUCT-DETAILS

UA63-30-00RA 220-230V 50Hz / 230-240V
60Hz

UA63-30-00RA 220-230V 50Hz / 230-240V
60Hz Contactor



General Information

Extended Product Type	UA63-30-00RA 220-230V 50Hz / 230-240V 60Hz
Product ID	1SBL371024R8000
EAN	3471522304803
Catalog Description	UA63-30-00RA 220-230V 50Hz / 230-240V 60Hz Contactor

Long Description

UA63..RA 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 $U_e < 500$ V and 100 000 operating cycles for $500 \text{ V} \leq U_e \leq 690$ 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.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SBC101140C0203
Instructions and Manuals	1SBC101002M5501
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
Rated Operational Voltage	Main Circuit 690 V
Rated Operational Current AC-3 (I_e)	(1000 V) 55 °C 25 A (220 / 230 / 240 V) 55 °C 65 A (380 / 400 V) 55 °C 65 A (415 V) 55 °C 65 A (440 V) 55 °C 65 A (500 V) 55 °C 55 A (690 V) 55 °C 43 A
Rated Operational Power AC-3 (P_e)	(220 / 230 / 240 V) 18.5 KWT (380 / 400 V) 30 KWT (415 V) 37 KWT (440 V) 37 KWT (500 V) 37 KWT (690 V) 37 KWT
Rated Operational Power AC-6b (P_e)	(230 / 240 V) 40 °C, 50 / 60 Hz 30 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 27 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 23 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 50 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 39 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 45 kvar (440 V) 40 °C, 50 / 60 Hz 55 kvar (440 V) 55 °C, 50 / 60 Hz 48 kvar (440 V) 70 °C, 50 / 60 Hz 42.5 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 65 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 60 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 50 kvar (690 V) 40 °C, 50 / 60 Hz 80 kvar (690 V) 55 °C, 50 / 60 Hz 75 kvar (690 V) 70 °C, 50 / 60 Hz 65 kvar
Short-Circuit Protective Devices	gG Type Fuses 200 A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 440 V 1300 A cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 630 A
Maximum Electrical	240 cycles per hour

Switching Frequency

Rated Insulation Voltage
(U_i)acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V
acc. to UL/CSA 600 VRated Impulse Withstand
Voltage (U_{imp})

8 kV

Rated Control Circuit
Voltage (U_c)50 Hz 220 ... 230 V
60 Hz 230 ... 240 V

Coil Consumption

Average Holding Value 50 / 60 Hz 18 5.5 V·A
Average Holding Value 50 Hz 18 5.5 V·A
Average Holding Value 60 Hz 18 5.5 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 msConnecting Capacity Main
CircuitFlexible with Cable End 6 ... 10 mm²
Rigid Cable 6 ... 16 mm²Connecting Capacity
Auxiliary CircuitFlexible 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

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 U_c) -40 ... +55 °C
Near Contactor for Operation in Free Air (U_c) -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

3000 m

RoHS Status

Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)

CB Certificate

CB_CN45331

CCC Certificate

CCC_2018010304128277

CQC Certificate

CQC2018010304128277
CQC2018010304128276
CQC2008010304290409

CSA Certificate

CSA_1033838_LR056745

Declaration of Conformity
- CCC2020980304001620
2020980304001623
2020980304001215Declaration of Conformity
- CE

1SBD250805U1000

Environmental Information

1SBD250124E1000

GOST Certificate

GOST_POCCFRME77B07175

Instructions and Manuals

1SBC101002M5501

RoHS Information

1SBD250805U1000

UL Certificate

UL_20120830-E312527-10-1

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	3471522304803
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 4	EC001079 - Capacitor magnet contactor
ETIM 5	EC001079 - Capacitor magnet contactor
ETIM 6	EC001079 - Capacitor contactor
ETIM 7	EC001079 - Capacitor contactor
eClass	V11.0 : 27371006
UNSPSC	39121529
E-Number (Finland)	3709167

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

