

UA75-30-00RA 220-230V 50Hz / 230-240V 60Hz



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General Information

Extended Product Type	UA75-30-00RA 220-230V 50Hz / 230-240V 60Hz
Product ID	1SBL411024R8000
EAN	3471522305800
Catalog Description	UA75-30-00RA 220-230V 50Hz / 230-240V 60Hz Contactor
Long Description	<p>UA75..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 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.</p>

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
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 Switching Frequency	240 cycles per hour
Rated Insulation Voltage (U _i)	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 V
Rated 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 V·A Average Holding Value 50 / 60 Hz 5.5 W Average Holding Value 50 Hz 18 V·A Average Holding Value 50 Hz 5.5 W Average Holding Value 60 Hz 18 V·A Average Holding Value 60 Hz 5.5 W Average Pull-in Value 50 Hz 180 V·A Average Pull-in Value 60 Hz 210 V·A
Operate Time	Between Coil Energization and NO Contact Closing 8 ... 27 ms Between Coil De-energization and NO Contact Opening 4 ... 11 ms
Connecting Capacity Main Circuit	Rigid Cable 6 ... 16 mm ² Flexible with Cable End 6 ... 10 mm ²
Connecting Capacity Auxiliary Circuit	Rigid Cable 1 ... 4 mm ² Flexible with Cable End 0.75 ... 2.5 mm ²
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	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 Close to Contactor for Storage -60 ... +80 °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	No declaration needed

Certificates and Declarations (Document Number)

CB Certificate	CB_FR3449_60016915-509739D
CCC Certificate	CCC_2004010304138318
CSA Certificate	CSA_1033838_LR056745
Declaration of Conformity - CE	1SBD250805U1000
EAC Certificate	EAC_RU C-FR ME77 B01010
Environmental Information	1SBD250124E1000
GOST Certificate	GOST_POCCFRME77B07175
Instructions and Manuals	1SBC101002M5501
RoHS Information	1SBC101059D0201
UL Certificate	UL_20120830-E312527-10-1
UL Listing Card	UL_E312527

Container Information

Package Level 1 Units	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	3471522305800
Package Level 2 Units	63 piece
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
UNSPSC	39121529

Categories

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

