

PRODUCT-DETAILS

# UA50-30-00RA 200V 50Hz / 200-220V 60Hz UA50-30-00RA 200V 50Hz / 200-220V 60Hz Contactor



## Información General

Tipo de producto extendido	UA50-30-00RA 200V 50Hz / 200-220V 60Hz
Código de producto	1SBL351024R7500
EAN	3471522303752
Descripción corta	UA50-30-00RA 200V 50Hz / 200-220V 60Hz Contactor

### Descripción larga

UA50..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  $\leq 50$  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.

## Clasificación

Cantidad mínima de pedido	1 piece
Código arancelario	85364900

## Descargas Populares

Ficha técnica, información técnica	1SBC101140C0203
Instrucciones y manuales	1SBC101002M5501
Dimension Diagram	FPTE307844

## Dimensiones

Ancho del product	70 mm
Largo del product	140.4 mm
Alto del producto	150 mm
Peso del product	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 Power AC-3 ( $P_e$ )	(220 / 230 / 240 V) 15 kW (380 / 400 V) 22 kW (415 V) 25 kW (440 V) 25 kW (500 V) 30 kW (690 V) 30 kW
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 $I_e > 100$ 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 <sub>c</sub> )	50 Hz 200 V 60 Hz 200 ... 220 V
Coil Consumption	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 mm <sup>2</sup> Rigid Cable 6 ... 16 mm <sup>2</sup>
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 0.75 ... 2.5 mm <sup>2</sup> Rigid Cable 1 ... 4 mm <sup>2</sup>
Grado de protección	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

## Ambiente

Temperatura ambiente	Close to Contactor for Storage -60 ... +80 °C Near Contactor for Operation in Free Air (0.85 ... 1.1 U <sub>c</sub> ) -40 ... 55 °C Near Contactor for Operation in Free Air (U <sub>c</sub> ) -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
RoHS Status	Following EU Directive 2011/65/EU

## Certificados y Declaraciones (Número de Documento)

CB Certificate	CB_CN45331
CQC Certificate	CQC2018010304128277 CQC2018010304128276 CQC2008010304290409
CSA Certificate	CSA_1033838_LR056745
Declaration of Conformity - CCC	2020980304001620 2020980304001623 2020980304001215
Declaración de conformidad - CE	1SBD250805U1000
Environmental Information	1SBD250124E1000
GOST Certificate	GOST_POCCFRME77B07175
Instrucciones y manuales	1SBC101002M5501
RoHS Information	1SBD250805U1000
UL Certificate	UL_20120830-E312527-10-1
UL Listing Card	UL_E312527

## Información de Embalaje

Embalaje Nivel 1 Unidades	box 1 piece
Embalaje Nivel 1 Ancho	160 mm
Embalaje Nivel 1 Largo	200 mm
Embalaje Nivel 1 Alto	85 mm
Embalaje Nivel 1 Peso	1.35 kg
Embalaje Nivel 1 EAN	3471522303752
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

### Clasificaciones

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

### Categorías

Productos y sistemas de baja tensión → Aparatos de control → Contactores → Contactores → UA and UA..RA Contactors

