



**Automatización Eléctrica**

Especialistas en Automatización

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# UA50-30-00RA 110-115V 50Hz / 115-127V 60Hz



## General Information

Extended Product Type:	UA50-30-00RA 110-115V 50Hz / 115-127V 60Hz
Product ID:	1SBL351024R8900
EAN:	3471522303899
Catalog Description:	UA50-30-00RA 110-115V 50Hz / 115-127V 60Hz Contactor
Long Description:	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.

## Categories

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

## Ordering

EAN:	3471522303899
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85369085

## Dimensions

Product Net Width:	70 mm
Product Net Depth:	140.4 mm
Product Net Height:	150 mm
Product Net Weight:	1.350 kg

## Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	160 mm
Package Level 1 Length:	200 mm
Package Level 1 Height:	85 mm
Package Level 1 Gross Weight:	1.35 kg
Package Level 1 EAN:	3471522303899
Package Level 2 Units:	63 piece

## 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
Rated Short-time Withstand Current ( $I_{cw}$ ):	at 40 °C Ambient Temp, in Free Air, from a Cold State 10 s 650 A at 40 °C Ambient Temp, in Free Air, from a Cold State 15 min 110 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 min 250 A at 40 °C Ambient Temp, in Free Air, from a Cold State 1 s 1000 A at 40 °C Ambient Temp, in Free Air, from a Cold State 30 s 370 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
Coil Operating Limits:	(acc. to IEC 60947-4-1) 0.85 ... 1.1 x $U_c$ (at $\theta \leq 55$ °C) °C 50 Hz 110 ... 115 V

<b>Rated Control Circuit Voltage (U<sub>c</sub>):</b>	60 Hz 115 ... 127 V
<b>Coil Consumption:</b>	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
<b>Operate Time:</b>	Between Coil Energization and NO Contact Closing 8 ... 27 ms Between Coil De-energization and NO Contact Opening 4 ... 11 ms
<b>Connecting Capacity-Main Circuit:</b>	Rigid Cable 6 ... 16 mm <sup>2</sup> Flexible with Cable End 6 ... 10 mm <sup>2</sup>
<b>Connecting Capacity-Auxiliary Circuit:</b>	Rigid Cable 1 ... 4 mm <sup>2</sup> Flexible with Cable End 0.75 ... 2.5 mm <sup>2</sup>
<b>Degree of Protection:</b>	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
<b>Connecting terminals (delivered in open position) Main poles:</b>	M 6 (+, -) pozidriv 2 screws with 1x (13 x 10 mm) connector
<b>Terminal Type:</b>	Screw Terminals

## Environmental

<b>Ambient Air Temperature:</b>	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 Close to Contactor for Storage -60 ... +80 °C
<b>Climatic Withstand:</b>	acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II
<b>Maximum Operating Altitude Permissible:</b>	3000 m
<b>RoHS Status:</b>	No declaration needed

## Certificates and Declarations (Document Number)

<b>CB Certificate:</b>	CB_FR3449_60016915-509739D
<b>CSA Certificate:</b>	CSA_1033838_LR056745
<b>Declaration of Conformity - CE:</b>	1SBD250846C2000
<b>EAC Certificate:</b>	EAC_RU C-FR ME77 B01010
<b>GOST Certificate:</b>	GOST_POCCFRME77B07175
<b>RoHS Information:</b>	1SBC101059D0201

## Classifications

<b>ETIM 5:</b>	EC001079 - Capacitor magnet contactor
<b>UNSPSC:</b>	39121529





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Product	Code	Reference	Product link
UA50-30-00RA 110-115V 50Hz / 115-127V 60Hz Contactor	1SBL351024R8900	UA50-30-00RA	<a href="#">Buy on EAN</a>