

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



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

## General Information

Extended Product Type	UA50-30-00 110V 50Hz / 110-120V 60Hz
Product ID	1SBL351022R8400
EAN	3471522084842
Catalog Description	UA50-30-00 110V 50Hz / 110-120V 60Hz Contactor
Long Description	UA50 3-pole contactors for capacitor switching, can be used for the switching of capacitor banks whose inrush current peaks are less than or equal to 100 times nominal rms current. The table below gives the permissible powers according to operational voltage and temperature close to the contactor. It also specifies the maximum peak current $I$ values accepted by the contactor. The capacitors must be discharged (maximum residual voltage at terminals $\leq 50$ V) before being re-energized when the contactors are making. In these conditions, electrical durability of contactors is equal to 100 000 operating cycles. The UA.. 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	FPTC407700P0003

## Dimensions

Product Net Width	70 mm
Product Net Depth / Length	108 mm
Product Net Height	110 mm
Product Net Weight	1.16 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
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 Ie &gt; 100 A) at 690 V 630 A

Rated Insulation Voltage (U <sub>i</sub> )	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to UL/CSA 600 V
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	8 kV
Mechanical Durability	10 million
Maximum Mechanical Switching Frequency	3600 cycles per hour
Rated Control Circuit Voltage (U <sub>c</sub> )	50 Hz 110 V 60 Hz 110 ... 120 V
Coil Consumption	Pull-in at Max. Rated Control Circuit Voltage 50 Hz 180 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 210 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 18 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 5.5 W Holding at Max. Rated Control Circuit Voltage 50 Hz 18 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 5.5 W Average Holding Value 50 / 60 Hz 18 V·A Average Holding Value 50 / 60 Hz 5.5 W Average Pull-in Value 50 Hz 180 V·A Average Pull-in Value 60 Hz 180 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	Flexible with Cable End 6 ... 16 mm <sup>2</sup> Rigid Cable 6 ... 25 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>
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 <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
Climatic Withstand	acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II
Maximum Operating Altitude Permissible	3000 m

## Certificates and Declarations (Document Number)

CB Certificate	CB_FR2880_60002378
CCC Certificate	CCC_2003010304060093 CCC_2008010304290409
CSA Certificate	CSA_1033838_LR056745
Declaration of Conformity - CE	1SBD250805U1000
EAC Certificate	EAC_RU C-FR ME77 B01010
Environmental Information	1SBD250029E1000
GOST Certificate	GOST_POCCFRME77B07175
Instructions and Manuals	FPTC407700P0003
RoHS Information	1SBD350079R1000
UL Certificate	UL_20120830-E312527-10-1
UL Listing Card	UL_E312527

## Container Information

Package Level 1 Units	1 piece
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Package Level 1 Width	140 mm
Package Level 1 Depth / Length	146 mm
Package Level 1 Height	96 mm
Package Level 1 Gross Weight	1.16 kg
Package Level 1 EAN	3471522084842
Package Level 2 Units	20 piece
Package Level 2 Gross Weight	23.2 kg
Package Level 3 Units	160 piece

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## Classifications

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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

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## Categories

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

