

PRODUCT-DETAILS

# UA30-30-10 110V 50Hz / 110-120V 60Hz UA30-30-10 110V 50Hz / 110-120V 60Hz Contactor

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## General Information

Extended Product Type	UA30-30-10 110V 50Hz / 110-120V 60Hz
Product ID	1SBL281022R8410
EAN	3471522074843
Catalog Description	UA30-30-10 110V 50Hz / 110-120V 60Hz Contactor

Long Description	<p>UA30 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.</p> <p>The table below gives the permissible powers according to operational voltage and temperature close to the contactor. It also specifies the maximum peak current <math>\hat{I}</math> values accepted by the contactor. The capacitors must be discharged (maximum residual voltage at terminals <math>\leq 50</math> 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 and auxiliary contacts: 3 main poles, 1 built-in auxiliary contact - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available.</p>
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## 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

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**Container Information**


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Package Level 1 Units	1 piece
Package Level 1 Width	101 mm
Package Level 1 Depth / Length	115 mm
Package Level 1 Height	61 mm
Package Level 1 Gross Weight	0.71 kg
Package Level 1 EAN	3471522074843
Package Level 2 Units	box 24 piece
Package Level 2 Width	300 mm
Package Level 2 Depth / Length	245 mm
Package Level 2 Height	308 mm
Package Level 2 Gross Weight	17.04 kg
Package Level 3 Units	576 piece

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**Certificates and Declarations (Document Number)**


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CB Certificate	CB_FR2880_60002378
CCC Certificate	CCC_2003010304060095 CCC_2007010309256050
CSA Certificate	CSA_1033838_LR056745
Declaration of Conformity - CE	1SBD250805U1000
EAC Certificate	EAC_RU C-FR ME77 B02628
Environmental Information	1SBD250028E1000
GOST Certificate	GOST_POCCFRME77B07175
Instructions and Manuals	FPTC407722P0001
RoHS Information	1SBD250805U1000
UL Certificate	UL_071301E39231

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**Environmental**


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Ambient Air Temperature	Close to Contactor for Storage -60 ... +80 °C Near Contactor for Operation in Free Air (Uc) -40 ... +70 °C Near Contactor for Operation in Free Air (0.85 ... 1.1 Uc) -40 ... +55 °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

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**Technical**


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Number of Main Contacts NO	3
Number of Main Contacts NC	0

Number of Auxiliary Contacts NO	1
Number of Auxiliary Contacts NC	0
Rated Operational Voltage	Auxiliary Circuit 690 V Main Circuit 690 V
Rated Frequency (f)	Supply Circuit 50 60 Hz
Conventional Free-air Thermal Current ( $I_{th}$ )	acc. to IEC 60947-5-1, $q = 40\text{ }^{\circ}\text{C}$ 16 A
Rated Operational Power AC-6b ( $P_e$ )	(230 / 240 V) 40 $^{\circ}\text{C}$ , 50 / 60 Hz 16 KVR (230 / 240 V) 55 $^{\circ}\text{C}$ , 50 / 60 Hz 16 KVR (230 / 240 V) 70 $^{\circ}\text{C}$ , 50 / 60 Hz 11 KVR (400 / 415 V) 40 $^{\circ}\text{C}$ , 50 / 60 Hz 27.5 KVR (400 / 415 V) 70 $^{\circ}\text{C}$ , 50 / 60 Hz 19 KVR (400 / 415 V) 55 $^{\circ}\text{C}$ , 50 / 60 Hz 27.5 KVR (440 V) 40 $^{\circ}\text{C}$ , 50 / 60 Hz 30 KVR (440 V) 55 $^{\circ}\text{C}$ , 50 / 60 Hz 30 KVR (440 V) 70 $^{\circ}\text{C}$ , 50 / 60 Hz 20 KVR (500 / 550 V), 40 $^{\circ}\text{C}$ , 50 / 60 Hz 34 KVR (500 / 550 V) 55 $^{\circ}\text{C}$ , 50 / 60 Hz 34 KVR (500 / 550 V) 70 $^{\circ}\text{C}$ , 50 / 60 Hz 23.5 KVR (690 V) 40 $^{\circ}\text{C}$ , 50 / 60 Hz 45 KVR (690 V) 55 $^{\circ}\text{C}$ , 50 / 60 Hz 45 KVR (690 V) 70 $^{\circ}\text{C}$ , 50 / 60 Hz 32 KVR
Rated Operational Current AC-15 ( $I_e$ )	(220 / 240 V) 4 A (24 / 127 V) 6 A (380 / 440 V) 3 A (500 V) 2 A (690 V) 2 A
Short-Circuit Protective Devices	Auxiliary Circuit - gG Type Fuses 10 A gG Type Fuses 1.5 ... 1.8 A
Maximum Breaking Capacity	$\cos \phi=0.45$ ( $\cos \phi=0.35$ for $I_e > 100$ A) at 440 V 820 A $\cos \phi=0.45$ ( $\cos \phi=0.35$ for $I_e > 100$ A) at 690 V 340 A
Rated Operational Current DC-13 ( $I_e$ )	(125 V) 1.1 / 138 A (24 V) 6 / 144 A (250 V) 0.55 / 138 A (48 V) 2.8 / 134 A (72 V) 2 / 144 A
Rated Insulation Voltage ( $U_i$ )	acc. to UL/CSA 600 V acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	8 kV
Mechanical Durability	10 million
Maximum Mechanical Switching Frequency	3600 cycles per hour
Rated Control Circuit Voltage ( $U_c$ )	50 Hz 110 V 60 Hz 110 ... 120 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 12.3 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 12.3 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 120 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 140 V·A Average Holding Value 50 / 60 Hz 12.3 V·A Average Pull-in Value 50 Hz 120 V·A Average Pull-in Value 60 Hz 120 V·A
Operate Time	Between Coil De-energization and NO Contact Opening 4 ... 11 ms Between Coil Energization and NO Contact Closing 8 ... 21 ms
Connecting Capacity Main Circuit	Flexible with Cable End 2.5 ... 10 m <sup>2</sup> Rigid Cable 2.5 ... 16 m <sup>2</sup>
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 0.75 ... 2.5 mm <sup>2</sup> Rigid Cable 1 ... 4 m <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 5 (+,-) pozidriv 2 screw with 2x (5.6x6.5 mm) connector
Terminal Type	Screw Terminals

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## Dimensions

Product Net Width	54 mm
Product Net Depth / Length	108.3 mm
Product Net Height	90 mm
Product Net Weight	0.71 kg

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## Popular Downloads

Data Sheet, Technical Information	1SBC101140C0203
Instructions and Manuals	FPTC407722P0001

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## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

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## Categories

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