



PRODUCT-DETAILS

# UA50-30-00 24V 50Hz / 24V 60Hz

## UA50-30-00 24V 50Hz / 24V 60Hz Contactor



Informações gerais	
Tipo de produto alargado	UA50-30-00 24V 50Hz / 24V 60Hz
ID do produto	1SBL351022R8100
EAN	3471522084811
Descrição do catálogo	UA50-30-00 24V 50Hz / 24V 60Hz Contactor
Descrição longa	<p>The UA50-30-00 24V 50Hz / 24V 60Hz is a 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 <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: 3 main poles - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available.</p>

Ordering	
Quantidade Mínima de Encomenda	1 piece

Número de tarifa aduaneira	85364900
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Popular Downloads

Ficha de dados, informação técnica	1SBC101140C0203
Instruções e Manuais	FPTC407700P0003
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Largura Líquida do Produto	70 mm
Profundidade/Comprimento Líquidos do Produto	108 mm
Altura Líquida do Produto	110 mm
Peso Líquido do Produto	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
Normas	IEC/EN 60947-1, IEC/EN 60947-4-1
Tensão operacional nominal	Main Circuit 690 V
Frequência nominal (f)	Control Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
Rated Operational Power AC-6b (P <sub>e</sub> )	(230 / 240 V) 40 °C, 50 / 60 Hz 20 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 20 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 19 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 33 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 32 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 33 kvar (440 V) 40 °C, 50 / 60 Hz 36 kvar (440 V) 55 °C, 50 / 60 Hz 36 kvar (440 V) 70 °C, 50 / 60 Hz 35 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 40 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 40 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 40 kvar (690 V) 40 °C, 50 / 60 Hz 55 kvar (690 V) 55 °C, 50 / 60 Hz 55 kvar (690 V) 70 °C, 50 / 60 Hz 52 kvar
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for I <sub>e</sub> > 100 A) at 440 V 1300 A cos phi=0.45 (cos phi=0.35 for I <sub>e</sub> > 100 A) at 690 V 630 A
Rated Insulation Voltage (U <sub>i</sub> )	acc. to IEC 60947-4-1 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 24 V 60 Hz 24 V
Coil Consumption	Average Holding Value 50 / 60 Hz 18 V·A Average Pull-in Value 50 Hz 180 V·A Average Pull-in Value 60 Hz 180 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 18 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 5.5 W Holding at Max. Rated Control Circuit Voltage 60 Hz 18 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 5.5 W Pull-in at Max. Rated Control Circuit Voltage 50 Hz 190 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 180 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
Montagem na calha DIN	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 ... 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>
Grau de proteção	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
Tipo de terminal	Screw Terminals

Environmental

Temperatura do ar 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
Altitude de operação máxima permissível	Without Derating 3000 m

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
Informação RoHS	2CMT2021-006277
Estado RoHS	Following EU Directive 2011/65/EU
Toxic Substances Control Act - TSCA	2CMT2023-006525
REEE B2C / B2B	Business To Business
Categoria REEE	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

CB Certificate	CB_CN-58854
CCC Certificate	CCC_2018010304128276 CCC_2008010304290409
CQC Certificate	CQC2018010304128276 CQC2008010304290409

Declaration of Conformity - CCC	2020980304001623 2020980304001215
Declaração de conformidade -CE	1SBD250805U1000
Declaration of Conformity - UKCA	1SBD250822U1000
Certificado GOST	GOST_POCCFRME77B07175
Certificado UL	UL-US-L312527-1101-21215991-6 UL-CA-2139468-4
UL Listing Card	UL_E312527

Container Information	
Unidades de embalagem Nível 1	box 1 piece
Largura da embalagem Nível 1	140 mm
Profundidade/Comprimento da embalagem Nível 1	146 mm
Altura da embalagem Nível 1	96 mm
Peso bruto da embalagem Nível 1	1.16 kg
Nível de Embalagem 1 EAN	3471522084811
Unidades de embalagem Nível 2	box 20 piece
Largura da embalagem Nível 2	503 mm
Profundidade/Comprimento da embalagem Nível 2	153 mm
Altura da embalagem Nível 2	307 mm
Peso bruto da embalagem Nível 2	23.2 kg
Package Level 3 Units	160 piece

Classifications	
Código de classificação do objeto	Q
ETIM 4	EC001079 - Capacitor magnet contactor
ETIM 5	EC001079 - Capacitor magnet contactor
ETIM 6	EC001079 - Capacitor contactor
ETIM 7	EC001079 - Capacitor contactor
ETIM 8	EC001079 - Capacitor contactor
eClass	V11.0 : 27371006
UNSPSC	39121529

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## Categorias

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Produtos e Sistemas de Baixa Tensão → Produtos para controle → Contatores → Contatores → UA and UA..RA Contactors → UA50

