

PRODUCT-DETAILS

UA16-30-10RA 400-415V 50Hz / 415-440V  
60Hz

UA16-30-10RA 400-415V 50Hz / 415-440V  
60Hz Contactor



Información General

Tipo de producto extendido	UA16-30-10RA 400-415V 50Hz / 415-440V 60Hz
Código de producto	1SBL181024R8610
EAN	3471522300867
Descripción corta	UA16-30-10RA 400-415V 50Hz / 415-440V 60Hz Contactor

Descripción larga

UA16..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  $500$  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 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.

Clasificación

Cantidad mínima de pedido	1 piece
Código arancelario	85364900

## Descargas Populares

Ficha técnica, información técnica	1SBC101140C0203
Instrucciones y manuales	1SBC101002M5501
Dimension Diagram	FPTE307847

## Dimensiones

Ancho del product	44 mm
Largo del product	107 mm
Alto del producto	120 mm
Peso del product	0.46 kg

## Technical

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, $q = 40\text{ °C}$ 16 A
Rated Operational Power AC-6b ( $P_e$ )	(230 / 240 V) 40 °C, 50 / 60 Hz 8 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 7.5 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 6 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 12.5 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 10 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 12.5 kvar (440 V) 40 °C, 50 / 60 Hz 15 kvar (440 V) 55 °C, 50 / 60 Hz 13 kvar (440 V) 70 °C, 50 / 60 Hz 11 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 18 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 16 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 12.5 kvar (690 V) 40 °C, 50 / 60 Hz 22 kvar (690 V) 55 °C, 50 / 60 Hz 21 kvar (690 V) 70 °C, 50 / 60 Hz 17 kvar
Rated Operational Current AC-15 ( $I_e$ )	(500 V) 2 A (690 V) 2 A (24 / 127 V) 6 A (220 / 240 V) 4 A (380 / 400 V) 3 A
Short-Circuit Protective Devices	Auxiliary Circuit - gG Type Fuses 10 A gG Type Fuses 80 A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for $I_e > 100\text{ A}$ ) at 440 V 250 A cos phi=0.45 (cos phi=0.35 for $I_e > 100\text{ A}$ ) at 690 V 90 A
Maximum Electrical Switching Frequency	240 cycles per hour
Rated Operational Current	(24 V) 6 / 144 A

DC-13 ( $I_{\theta}$ )	(48 V) 2.8 / 134 A (72 V) 2 / 144 A (125 V) 1.1 / 138 A (250 V) 0.55 / 138 A
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 ( $U_c$ )	50 Hz 400 ... 415 V 60 Hz 415 ... 440 V
Coil Consumption	Average Holding Value 50 / 60 Hz 8 V·A Average Holding Value 50 Hz 8 V·A Average Holding Value 60 Hz 8 V·A Average Pull-in Value 50 Hz 70 V·A Average Pull-in Value 60 Hz 80 V·A
Operate Time	Between Coil De-energization and NO Contact Opening 4 ... 11 ms Between Coil Energization and NO Contact Closing 10 ... 26 ms
Mounting on DIN Rail	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
Mounting by Screws (not supplied)	2 x M4 screws placed diagonally
Connecting Capacity Main Circuit	Flexible with Cable End 0.75 ... 2.5 mm <sup>2</sup> Rigid Cable 1 ... 4 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 Auxiliary Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20
Connecting Terminals (delivered in open position) Main Poles	M 3.5 (+,-) pozidriv 2 screws with cable clamp
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 Uc) -40 ... 55 °C Near Contactor for Operation in Free Air (Uc) -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_CN44756
CQC Certificate	CQC2004010304138319 CQC2018010304059153 CQC2018010304059154 CQC2007010304257961
CSA Certificate	CSA_1041746
Declaration of Conformity - CCC	2020980304001605 2020980304001618 2020980304001619 2020980304001218
Declaración de conformidad - CE	1SBD250805U1000

Environmental Information	1SBD250123E1000
GOST Certificate	GOST_POCCFRME77B07175
Instrucciones y manuales	1SBC101002M5501
RoHS Information	1SBD250805U1000
UL Certificate	UL_20160205-E312527-10-2
UL Listing Card	UL_E312527

## Información de Embalaje

Embalaje Nivel 1 Unidades	box 1 piece
Embalaje Nivel 1 Ancho	135 mm
Embalaje Nivel 1 Largo	155 mm
Embalaje Nivel 1 Alto	63 mm
Embalaje Nivel 1 Peso	0.46 kg
Embalaje Nivel 1 EAN	3471522300867
Package Level 2 Units	box 63 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	28.98 kg
Package Level 3 Units	260 piece

## 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

