

PRODUCT-DETAILS

UA16-30-10 110V 50Hz / 110-120V 60Hz UA16-30-10 110V 50Hz / 110-120V 60Hz Contactor

General Information

Extended Product Type	UA16-30-10 110V 50Hz / 110-120V 60Hz
Product ID	1SBL181022R8410
EAN	3471522254849
Catalog Description	UA16-30-10 110V 50Hz / 110-120V 60Hz Contactor

Long Description	<p>UA16 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 \hat{I} values accepted by the contactor. The capacitors must be discharged (maximum residual voltage at terminals ≤ 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 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

Container Information

Package Level 1 Units	1 piece
Package Level 1 Width	78 mm
Package Level 1 Depth / Length	76 mm
Package Level 1 Height	47 mm
Package Level 1 Gross Weight	0.34 kg
Package Level 1 EAN	3471522254849
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	21.42 kg
Package Level 3 Units	1220 piece

Certificates and Declarations (Document Number)

CB Certificate	CB_CN44755
CCC Certificate	CCC_2018010304059153 CCC_2007010304257961
Declaration of Conformity - CE	1SBD250805U1000
EAC Certificate	EAC_RU C-FR ME77 B02628
Environmental Information	1SBD250026E1000
GOST Certificate	GOST_POCCFRME77B07175
Instructions and Manuals	FPTC407721P0001
RoHS Information	1SBD250805U1000
UL Certificate	UL_20160205-E312527-10-2
UL Listing Card	UL_E312527

Environmental

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

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	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, $q = 40^\circ\text{C}$ 16 A
Rated Operational Power AC-6b (P_e)	(230 / 240 V) 40°C , 50 / 60 Hz 7.5 KVR (230 / 240 V) 55°C , 50 / 60 Hz 6.7 KVR (230 / 240 V) 70°C , 50 / 60 Hz 6 KVR (400 / 415 V) 40°C , 50 / 60 Hz 12.5 KVR (400 / 415 V) 70°C , 50 / 60 Hz 10 KVR (400 / 415 V) 55°C , 50 / 60 Hz 11.7 KVR (440 V) 40°C , 50 / 60 Hz 13.7 KVR (440 V) 55°C , 50 / 60 Hz 13 KVR (440 V) 70°C , 50 / 60 Hz 11 KVR (500 / 550 V), 40°C , 50 / 60 Hz 15.5 KVR (500 / 550 V) 55°C , 50 / 60 Hz 14.7 KVR (500 / 550 V) 70°C , 50 / 60 Hz 12.5 KVR (690 V) 40°C , 50 / 60 Hz 21.5 KVR (690 V) 55°C , 50 / 60 Hz 20 KVR (690 V) 70°C , 50 / 60 Hz 17 KVR
Rated Operational Current AC-15 (I_θ)	(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 250 A $\cos \phi=0.45$ ($\cos \phi=0.35$ for $I_e > 100$ A) at 690 V 90 A
Rated Operational Current DC-13 (I_θ)	(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 IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V
Rated Impulse Withstand Voltage (U_{imp})	8 kV
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	Pull-in at Max. Rated Control Circuit Voltage 50 Hz 70 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 80 V·A Average Holding Value 50 / 60 Hz 8 2 V·A Average Pull-in Value 50 Hz 74 V·A Average Pull-in Value 60 Hz 70 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
Connecting Capacity Main Circuit	Flexible with Cable End 0.75 ... 2.5 m ² Rigid Cable 1 ... 4 m ²
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 0.75 ... 2.5 mm ² Rigid Cable 1 ... 4 m ²
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
Connecting Terminals (delivered in open position) Main Poles	M 3.5 (+,-) pozidriv 2 screws with cable clamp

Terminal Type	Screw Terminals
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Dimensions

Product Net Width	44 mm
Product Net Depth / Length	74 mm
Product Net Height	74 mm
Product Net Weight	0.34 kg

Popular Downloads

Data Sheet, Technical Information	1SBC101140C0203
Instructions and Manuals	FPTC407721P0001

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Categories

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