

PRODUCT-DETAILS

UA16-30-10 48V 50Hz / 48V 60Hz

UA16-30-10 48V 50Hz / 48V 60Hz Contactor

General Information

Extended Product Type	UA16-30-10 48V 50Hz / 48V 60Hz
Product ID	1SBL181022R8310
EAN	3471522254832
Catalog Description	UA16-30-10 48V 50Hz / 48V 60Hz Contactor

Long Description

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. 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.

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	3471522254832
Package Level 2 Units	box 63 piece
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_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, $q = 40\text{ °C}$ 16 A
Rated Operational Power AC-6b (P_e)	(230 / 240 V) 40 °C, 50 / 60 Hz 7.5 KVA (230 / 240 V) 55 °C, 50 / 60 Hz 6.7 KVA (230 / 240 V) 70 °C, 50 / 60 Hz 6 KVA (400 / 415 V) 40 °C, 50 / 60 Hz 12.5 KVA (400 / 415 V) 70 °C, 50 / 60 Hz 10 KVA (400 / 415 V) 55 °C, 50 / 60 Hz 11.7 KVA (440 V) 40 °C, 50 / 60 Hz 13.7 KVA (440 V) 55 °C, 50 / 60 Hz 13 KVA (440 V) 70 °C, 50 / 60 Hz 11 KVA (500 / 550 V), 40 °C, 50 / 60 Hz 15.5 KVA (500 / 550 V) 55 °C, 50 / 60 Hz 14.7 KVA (500 / 550 V) 70 °C, 50 / 60 Hz 12.5 KVA (690 V) 40 °C, 50 / 60 Hz 21.5 KVA (690 V) 55 °C, 50 / 60 Hz 20 KVA (690 V) 70 °C, 50 / 60 Hz 17 KVA
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 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_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 IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 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 48 V 60 Hz 48 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 Auxiliary Terminals IP20
Connecting Terminals (delivered in open position) Main Poles	M 3.5 (+, -) pozidriv 2 screws with cable clamp
Terminal Type	Screw Terminals

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