PRODUCT-DETAILS

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

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



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	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. The table below gives the permissible powers according to operational voltage and temperature close to the contactor. It also specifies the maximum peak current Î 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.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SBC101140C0203
Instructions and Manuals	FPTC407722P0001

Dimensions

Product Net Width	54 mm
Product Net Depth / Length	108.3 mm
Product Net Height	90 mm
Product Net Weight	0.71 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 °C 16 A
Rated Operational Power AC-6b (P_e)	(230 / 240 V) 40 °C, 50 / 60 Hz 16 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 16 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 11 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 27.5 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 19 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 27.5 kvar (440 V) 40 °C, 50 / 60 Hz 30 kvar (440 V) 55 °C, 50 / 60 Hz 30 kvar (440 V) 70 °C, 50 / 60 Hz 20 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 34 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 34 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 23.5 kvar (690 V) 40 °C, 50 / 60 Hz 45 kvar (690 V) 55 °C, 50 / 60 Hz 45 kvar (690 V) 70 °C, 50 / 60 Hz 32 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 1.5 ... 1.8 A
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 440 V 820 A cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 690 V 340 A
Rated Operational Current DC-13 (I_e)	(24 V) 6 / 144 A (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 IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V acc. to UL/CSA 600 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	Average Holding Value 50 / 60 Hz 12 V·A Average Pull-in Value 50 Hz 120 V·A Average Pull-in Value 60 Hz 120 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 12 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 3 W

	Holding at Max. Rated Control Circuit Voltage 60 Hz 12 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 3 W 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
Operate Time	Between Coil De-energization and NO Contact Opening 4 ... 11 ms Between Coil Energization and NO Contact Closing 8 ... 21 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 2.5 ... 10 mm² Rigid Cable 2.5 ... 16 mm²
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 0.75 ... 2.5 mm² Rigid Cable 1 ... 4 mm²
Degree of Protection	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 5 (+,-) pozidriv 2 screw with 2x (5.6x6.5 mm) connector
Terminal Type	Screw Terminals

Environmental

Ambient Air Temperature	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

Certificates and Declarations (Document Number)

CB Certificate	CB_FR2880_60002378
CCC Certificate	CCC_2003010304060095
CQC Certificate	CQC2003010304060095 CQC2007010309256050
CSA Certificate	CSA_1033838_LR056745
Declaration of Conformity - CCC	2020980304001610 2020980304001216
Declaration of Conformity - CE	1SBD250805U1000
Declaration of Conformity - UKCA	1SBD250822U1000
Environmental Information	1SBD250028E1000
GOST Certificate	GOST_POCCFRME77B07175
Instructions and Manuals	FPTC407722P0001
RoHS Information	1SBD250805U1000
UL Certificate	UL_071301E39231

Container Information

Package Level 1 Units	box 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

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
ETIM 8	EC001079 - Capacitor contactor
eClass	V11.0 : 27371006
UNSPSC	39121529

Categories

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

