PRODUCT-DETAILS

UA63-30-00 380-400V 50Hz / 400-415V 60Hz

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Contactor



General Information

Extended Product Type	UA63-30-00 380-400V 50Hz / 400-415V 60Hz
Product ID	1SBL371022R8500
EAN	3471522090850
Catalog Description	UA63-30-00 380-400V 50Hz / 400-415V 60Hz Contactor
Long Description	UA63 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: 3 main poles - 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	1SBC101140C0203

Information	
Instructions and Manuals	FPTC407700P0003

Dimensions

Product Net Width	70 mm
Product Net Depth / Length	108 mm
Product Net Height	110 mm
Product Net Weight	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
Rated Operational Voltage	Main Circuit 690 V
Rated Operational Current AC-1 (I_e)	(690 V) 40 °C 115 A (690 V) 55 °C 95 A (690 V) 70 °C 80 A
Rated Operational Current AC-3 (I_e)	(1000 V) 55 °C 25 A (220 / 230 / 240 V) 55 °C 65 A (380 / 400 V) 55 °C 65 A (415 V) 55 °C 65 A (440 V) 55 °C 65 A (500 V) 55 °C 55 A (690 V) 55 °C 43 A
Rated Operational Power AC-3 (P_e)	(220 / 230 / 240 V) 18.5 KWT (380 / 400 V) 30 KWT (415 V) 37 KWT (440 V) 37 KWT (500 V) 37 KWT (690 V) 37 KWT
Rated Operational Power AC-6b (P_e)	(230 / 240 V) 40 °C, 50 / 60 Hz 25 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 25 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 21 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 45 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 37 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 43 kvar (440 V) 40 °C, 50 / 60 Hz 50 kvar (440 V) 55 °C, 50 / 60 Hz 48 kvar (440 V) 70 °C, 50 / 60 Hz 41 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 50 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 50 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 45 kvar (690 V) 40 °C, 50 / 60 Hz 70 kvar (690 V) 55 °C, 50 / 60 Hz 70 kvar (690 V) 70 °C, 50 / 60 Hz 60 kvar
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 440 V 1300 A cos phi=0.45 (cos phi=0.35 for Ie > 100 A) at 690 V 630 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

Mechanical Durability	10 million
Maximum Mechanical Switching Frequency	3600 cycles per hour
Rated Control Circuit Voltage (U_c)	50 Hz 380 ... 400 V 60 Hz 400 ... 415 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 5.5 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 18 5.5 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 180 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 210 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
Connecting Capacity Main Circuit	Flexible with Cable End 6 ... 16 mm² Rigid Cable 6 ... 25 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 Coil Terminals IP20
Connecting Terminals (delivered in open position) Main Poles	M 6 (+,-) pozidriv 2 screws with 1x (13 x 10 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	3000 m
RoHS Status	Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)

CB Certificate	CB_CN45340
CCC Certificate	CCC_2018010304128276 CCC_2008010304290409
CQC Certificate	CQC2018010304128276 CQC2008010304290409
CSA Certificate	CSA_1033838_LR056745
Declaration of Conformity - CCC	2020980304001623 2020980304001215
Declaration of Conformity - CE	1SBD250805U1000
Environmental Information	1SBD250030E1000
GOST Certificate	GOST_POCCFRME77B07175
Instructions and Manuals	FPTC407700P0003
RoHS Information	1SBD250805U1000
UL Certificate	UL_20120830-E312527-10-1
UL Listing Card	UL_E312527

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	140 mm
Package Level 1 Depth / Length	146 mm
Package Level 1 Height	96 mm
Package Level 1 Gross Weight	1.16 kg
Package Level 1 EAN	3471522090850
Package Level 2 Units	box 20 piece
Package Level 2 Width	503 mm
Package Level 2 Depth / Length	153 mm
Package Level 2 Height	307 mm
Package Level 2 Gross Weight	23.2 kg
Package Level 3 Units	160 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
eClass	V11.0 : 27371006
UNSPSC	39121529

Categories

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

