

PRODUCT-DETAILS

UA75-30-00 230-240V 50Hz / 240-260V 60Hz UA75-30-00 230-240V 50Hz / 240-260V 60Hz Contactor



General Information

Extended Product Type	UA75-30-00 230-240V 50Hz / 240-260V 60Hz
Product ID	1SBL411022R8800
EAN	3471522097880
Catalog Description	UA75-30-00 230-240V 50Hz / 240-260V 60Hz Contactor

Long Description	<p>UA75 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: 3 main poles - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available.</p>
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Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SBC101140C0203
Instructions and Manuals	FPTC407700P0003
CAD Dimensional Drawing	2CDC001079B0201

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
Standards	IEC/EN 60947-1, IEC/EN 60947-4-1
Rated Operational Voltage	Main Circuit 690 V
Rated Frequency (f)	Control Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
Rated Operational Power AC-6b (P_e)	(230 / 240 V) 40 °C, 50 / 60 Hz 30 kvar (230 / 240 V) 55 °C, 50 / 60 Hz 30 kvar (230 / 240 V) 70 °C, 50 / 60 Hz 22 kvar (400 / 415 V) 40 °C, 50 / 60 Hz 50 kvar (400 / 415 V) 70 °C, 50 / 60 Hz 39 kvar (400 / 415 V) 55 °C, 50 / 60 Hz 50 kvar (440 V) 40 °C, 50 / 60 Hz 55 kvar (440 V) 55 °C, 50 / 60 Hz 53 kvar (440 V) 70 °C, 50 / 60 Hz 43 kvar (500 / 550 V), 40 °C, 50 / 60 Hz 62 kvar (500 / 550 V) 55 °C, 50 / 60 Hz 62 kvar (500 / 550 V) 70 °C, 50 / 60 Hz 47.5 kvar (690 V) 40 °C, 50 / 60 Hz 75 kvar (690 V) 55 °C, 50 / 60 Hz 75 kvar (690 V) 70 °C, 50 / 60 Hz 65 kvar
Maximum Breaking Capacity	cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 440 V 1300 A cos phi=0.45 (cos phi=0.35 for $I_e > 100$ A) at 690 V 630 A
Rated Insulation Voltage (U_i)	acc. to IEC 60947-4-1 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 230 ... 240 V 60 Hz 240 ... 260 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 V·A Holding at Max. Rated Control Circuit Voltage 50 Hz 5.5 W Holding at Max. Rated Control Circuit Voltage 60 Hz 18 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 5.5 W 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
Mounting on DIN Rail	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH75-25 (75 x 25 mm Mounting Rail) acc. to IEC 60715
Mounting by Screws (not supplied)	2 x M6 screws placed diagonally
Connecting Capacity Main Circuit	Flexible with Cable End 6 ... 16 mm ² Rigid Cable 6 ... 25 mm ²
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 0.75 ... 2.5 mm ² Rigid Cable 1 ... 4 mm ²
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20 acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10
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	Without Derating 3000 m
RoHS Status	Following EU Directive 2011/65/EU

Certificates and Declarations

CB Certificate	CB_CN-58854
CCC Certificate	CCC_2008010304290409
CQC Certificate	CQC2018010304128276 CQC2008010304290409
Declaration of Conformity - CCC	2020980304001623 2020980304001215
Declaration of Conformity - CE	1SBD250805U1000
Declaration of Conformity - UKCA	1SBD250822U1000
GOST Certificate	GOST_POCCFRME77B07175
UL Certificate	UL-US-L312527-1101-21215991-6 UL-CA-2139468-4
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	3471522097880
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
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

