

PRODUCT-DETAILS

UA50-30-00 400-415V 50Hz / 415-440V 60Hz UA50-30-00 400-415V 50Hz / 415-440V 60Hz Contactor



General Information

Extended Product Type	UA50-30-00 400-415V 50Hz / 415-440V 60Hz
Product ID	1SBL351022R8600
EAN	3471522084866
Catalog Description	UA50-30-00 400-415V 50Hz / 415-440V 60Hz Contactor

Long Description	<p>UA50 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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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	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	3471522084866
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

Certificates and Declarations (Document Number)

CB Certificate	CB_CN45340
CCC Certificate	CCC_2018010304128276 CCC_2008010304290409
CSA Certificate	CSA_1033838_LR056745
Declaration of Conformity - CE	1SBD250805U1000
EAC Certificate	EAC_RU C-FR ME77 B02628
Environmental Information	1SBD250029E1000
GOST Certificate	GOST_POCCFRME77B07175
Instructions and Manuals	FPTC407700P0003
RoHS Information	1SBD250805U1000
UL Certificate	UL_20120830-E312527-10-1
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	3
NO	

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 Power AC-3 (P_g)	(220 / 230 / 240 V) 15 KWT (380 / 400 V) 22 KWT (415 V) 25 KWT (440 V) 25 KWT (500 V) 30 KWT (690 V) 30 KWT
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 UL/CSA 600 V 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 400 ... 415 V 60 Hz 415 ... 440 V
Coil Consumption	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 Average Holding Value 50 / 60 Hz 18 5.5 V·A Average Pull-in Value 50 Hz 180 V·A Average Pull-in Value 60 Hz 180 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 m ² Rigid Cable 6 ... 25 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 6 (+,-) pozidriv 2 screws with 1x (13 x 10 mm) connector
Terminal Type	Screw Terminals

Dimensions

Product Net Width	70 mm
Product Net Depth / Length	108 mm
Product Net Height	110 mm
Product Net Weight	1.16 kg

Popular Downloads

Data Sheet, Technical Information	1SBC101140C0203
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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

