

PRODUCT-DETAILS

UA50-30-00 190V 50Hz / 220V 60Hz

UA50-30-00 190V 50Hz / 220V 60Hz Contactor



General Information

Extended Product Type	UA50-30-00 190V 50Hz / 220V 60Hz
Product ID	1SBL351022R3600
EAN	3471522084361
Catalog Description	UA50-30-00 190V 50Hz / 220V 60Hz Contactor

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.

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.

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	3471522084361
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_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 NO	3
Number of Main Contacts	0

NC

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_e)	(220 / 230 / 240 V) 15 kW (380 / 400 V) 22 kW (415 V) 25 kW (440 V) 25 kW (500 V) 30 kW (690 V) 30 kW
Rated Operational Power AC-6b (P_e)	(230 / 240 V) 40 °C, 50 / 60 Hz 20 KVR (230 / 240 V) 55 °C, 50 / 60 Hz 20 KVR (230 / 240 V) 70 °C, 50 / 60 Hz 19 KVR (400 / 415 V) 40 °C, 50 / 60 Hz 33 KVR (400 / 415 V) 70 °C, 50 / 60 Hz 32 KVR (400 / 415 V) 55 °C, 50 / 60 Hz 33 KVR (440 V) 40 °C, 50 / 60 Hz 36 KVR (440 V) 55 °C, 50 / 60 Hz 36 KVR (440 V) 70 °C, 50 / 60 Hz 35 KVR (500 / 550 V), 40 °C, 50 / 60 Hz 40 KVR (500 / 550 V) 55 °C, 50 / 60 Hz 40 KVR (500 / 550 V) 70 °C, 50 / 60 Hz 40 KVR (690 V) 40 °C, 50 / 60 Hz 55 KVR (690 V) 55 °C, 50 / 60 Hz 55 KVR (690 V) 70 °C, 50 / 60 Hz 52 KVR
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 190 V 60 Hz 220 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 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 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
Instructions and Manuals	FPTC407700P0003

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

