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 PRODUCT-DETAILS

# UA75-30-11 220-230V 50Hz / 230-240V 60Hz

## UA75-30-11 220-230V 50Hz / 230-240V 60Hz

### Contactors




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**General Information**

Extended Product Type	UA75-30-11 220-230V 50Hz / 230-240V 60Hz
Product ID	1SBL411022R8011
EAN	3471522098801
Catalog Description	UA75-30-11 220-230V 50Hz / 230-240V 60Hz Contactor

Long Description	<p>The UA75-30-11 220-230V 50Hz / 230-240V 60Hz is a 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 <math>\hat{I}</math> values accepted by the contactor. The capacitors must be discharged (maximum residual voltage at terminals <math>\leq 50</math> 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, 2 built-in auxiliary contacts - 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	1SBC100214C0202
Instructions and Manuals	FPTC407700P0003

### Dimensions

Product Net Width	82 mm
Product Net Depth / Length	108 mm
Product Net Height	110 mm
Product Net Weight	1.2 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	1
Number of Poles	3P
Standards	IEC/EN 60947-1, IEC/EN 60947-4-1
Rated Operational Voltage	Auxiliary Circuit 690 V Main Circuit 690 V
Rated Frequency (f)	Auxiliary Circuit 50 / 60 Hz Control Circuit 50 / 60 Hz Main Circuit 50 / 60 Hz
Conventional Free-air Thermal Current (I <sub>th</sub> )	acc. to IEC 60947-5-1, $\Theta = 40\text{ }^{\circ}\text{C}$ 16 A
Rated Operational Current AC-15 (I <sub>e</sub> )	(500 V) 2 A (690 V) 2 A (24 / 127 V) 6 A (220 / 240 V) 4 A (380 / 400 V) 3 A
Rated Operational Current DC-13 (I <sub>e</sub> )	(24 V) 6 A / 144 W (48 V) 2.8 A / 134 W (72 V) 1 A / 72 W (110 V) 1.1 A / 121 W (125 V) 0.55 A / 69 W (220 V) 0.30 A / 66 W (250 V) 0.3 / 75 W
Rated Operational Power AC-6b (P <sub>e</sub> )	(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

Short-Circuit Protective Devices	Auxiliary Circuit - gG Type Fuses 10 A gG Type Fuses 1.5 ... 1.8 A
Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ )	for 0.1 s 140 A for 1 s 100 A
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 IEC 60947-5-1 690 V acc. to UL/CSA 600 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	8 kV
Maximum Mechanical Switching Frequency	3600 cycles per hour
Minimum Switching Capacity	17 / 5 VLT4K
Rated Control Circuit Voltage ( $U_c$ )	50 Hz 220 ... 230 V 60 Hz 230 ... 240 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
Power Loss	at Rated Operating Conditions per Pole 0.1 W at 6 A per Pole 0.1 W
Operate Time	Between Coil De-energization and NC Contact Closing 7 ... 14 ms 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 <sup>2</sup> Rigid Cable 6 ... 25 mm <sup>2</sup>
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 0.75 ... 2.5 mm <sup>2</sup> Rigid Cable 1 ... 4 mm <sup>2</sup>
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 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
Product Name	Block Contactor

## Environmental

Ambient Air Temperature	Close to Contactor for Storage -60 ... +80 °C Near Contactor for Operation in Free Air (0.85 ... 1.1 $U_c$ ) -40 ... +55 °C Near Contactor for Operation in Free Air ( $U_c$ ) -40 ... 70 °C
Climatic Withstand	according to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 Specification II
Maximum Operating Altitude Permissible	Without Derating 3000 m
Pollution Degree	3

**Material Compliance**

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2021-006202
RoHS Declaration	2CMT2021-006277
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP	49f68176-f4f9-45fb-8054-b06917867f15 Bulgaria
Simplified SCIP	047c30c4-9be0-4ac4-b264-15c8d5af3cba Denmark 0816fec9-3c78-4e85-896b-0b16be04a021 Sweden 08a9633a-cdf4-452d-bcf1-2356fd70422c Czech Republic 16a16d09-a059-47b3-b8ee-22f36ca84c25 Italy 1f3f7f5a-339a-4993-8f8d-9bad5a4a7002 France 58606669-496f-460d-a9ee-f3cdfaf80d25 Norway 69c605ac-9854-495b-b37d-255a914ebfff Netherlands a1275210-939f-452f-b01e-12d698633afc Poland b442ac14-2393-421e-8887-bc96085281e6 Germany bb68f000-97e6-45c8-a9c1-39cc761d5d34 Portugal c25aafc3-deaa-4652-828b-4317320f4166 Finland e2b11589-93cb-450a-9491-9ae51101822f Greece e8582dd9-898f-45ab-9b29-ba03e7f1f7c8 Estonia ed59a35b-4a8a-4273-98a9-a98e15dbaaf3 Hungary ee7a4579-8e4c-4f6a-b48c-49f5ce8936ee Spain f78a789f-f7f3-41ef-8c2a-a31a0c7fb694 Croatia ff85c635-2703-4bcb-a096-67184e96d469 Belgium
Toxic Substances Control Act - TSCA	2CMT2023-006525
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

**ABB EcoSolutions**

Environmental Product Declaration - EPD	No declaration needed
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**Certificates and Declarations**

CB Certificate	CB_FR2880_60002378
CCC Certificate	CCC_2003010304060093 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 /	146 mm

Length

Package Level 1 Height	96 mm
Package Level 1 Gross Weight	1.2 kg
Package Level 1 EAN	3471522098801

**External Classifications and Standards**

Object Classification Code	Q
ETIM 7	EC001079 - Capacitor contactor
ETIM 8	EC001079 - Capacitor contactor
ETIM 9	EC001079 - Capacitor contactor
eClass	V11.0 : 27371006
UNSPSC	39121529
E-Number (Finland)	3709176

**Categories**

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors → UA and UA..RA Contactors → UA75

