

PRODUCT-DETAILS

# UA75-30-11 230-240V 50Hz / 240-260V 60Hz UA75-30-11 230-240V 50Hz / 240-260V 60Hz Contactor



## General Information

Extended Product Type	UA75-30-11 230-240V 50Hz / 240-260V 60Hz
Product ID	1SBL411022R8811
EAN	3471522098887
Catalog Description	UA75-30-11 230-240V 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 <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>
------------------	---

## 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	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
Rated Operational Voltage	Auxiliary Circuit 690 V Main Circuit 690 V
Rated Frequency (f)	Supply Circuit 50 60 Hz
Conventional Free-air Thermal Current ( $I_{th}$ )	acc. to IEC 60947-5-1, $q = 40^\circ\text{C}$ 16 A
Rated Operational Power AC-6b ( $P_e$ )	(230 / 240 V) $40^\circ\text{C}$ , 50 / 60 Hz 30 kvar (230 / 240 V) $55^\circ\text{C}$ , 50 / 60 Hz 30 kvar (230 / 240 V) $70^\circ\text{C}$ , 50 / 60 Hz 22 kvar (400 / 415 V) $40^\circ\text{C}$ , 50 / 60 Hz 50 kvar (400 / 415 V) $70^\circ\text{C}$ , 50 / 60 Hz 39 kvar (400 / 415 V) $55^\circ\text{C}$ , 50 / 60 Hz 50 kvar (440 V) $40^\circ\text{C}$ , 50 / 60 Hz 55 kvar (440 V) $55^\circ\text{C}$ , 50 / 60 Hz 53 kvar (440 V) $70^\circ\text{C}$ , 50 / 60 Hz 43 kvar (500 / 550 V), $40^\circ\text{C}$ , 50 / 60 Hz 62 kvar (500 / 550 V) $55^\circ\text{C}$ , 50 / 60 Hz 62 kvar (500 / 550 V) $70^\circ\text{C}$ , 50 / 60 Hz 47.5 kvar (690 V) $40^\circ\text{C}$ , 50 / 60 Hz 75 kvar (690 V) $55^\circ\text{C}$ , 50 / 60 Hz 75 kvar (690 V) $70^\circ\text{C}$ , 50 / 60 Hz 65 kvar
Rated Operational Current AC-15 ( $I_e$ )	(500 V) 2 A (690 V) 2 A (24 / 127 V) 6 A (220 / 240 V) 4 A (380 / 400 V) 3 A
Short-Circuit Protective Devices	Auxiliary Circuit - gG Type Fuses 10 A gG Type Fuses 1.5 ... 1.8 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 Operational Current DC-13 ( $I_e$ )	(24 V) 6 / 144 A (48 V) 2.8 / 134 A (72 V) 1 / 72 A (125 V) 0.55 / 69 A (250 V) 0.3 / 75 A
Rated Insulation Voltage ( $U_i$ )	acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 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 18.00 VA 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 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
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 IP40
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 $U_c$ ) -40 ... +55 °C Near Contactor for Operation in Free Air ( $U_c$ ) -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_FR2880_60002378
CCC Certificate	CCC_2008010304290409
CQC Certificate	CQC2018010304128276 CQC2008010304290409
CSA Certificate	CSA_1033838_LR056745
Declaration of Conformity - CCC	2020980304001623 2020980304001215
Declaration of Conformity - CE	1SBD250805U1000
Environmental Information	1SBD250031E1000
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	1.2 kg
Package Level 1 EAN	3471522098887
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	24 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

